ATTACHMENT A3-3

LABORATORY ANALTYICAL DATA, DATA VALIDATION REPORTS, DATA QUALITY REPORTS

SODIUM REACTOR EXPERIMENT (AREA IV AOC)
RCRA FACILITY INVESTIGATION REPORT
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

VOLUME III – RFI SITE REPORTS

APPENDIX A3, ATTACHMENT 3

LABORATORY DATA QUALITY

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LIST OF ACRONYMS AND ABBREVIATIONS

Alta	Alta Analytical
CAS	Columbia Analytical Services
Ceimic	Ceimic Corporation
Centrum	Centrum Analytical
Del Mar	Del Mar Analytical, Inc.
DTSC	Department of Toxic Substances Control
EDL	Estimated Detection Limit
EMPC	Estimated Maximum Possible Concentration
GC/MS	Gas Chromatography/Mass Spectroscopy
MDL	Method Detection Limit
MEC^X	MEC^X, LLC
MS/MSD	Matrix Spike/Matrix Spike Duplicate
MWH	MWH, Inc.
NELAP	National Environmental Laboratory Accreditation Program
OCDD	Octachlorodibenzo-p-dioxin
Pace	Pace Analytical
PAH	Polynuclear Aromatic Hydrocarbon
PARCC	Precision, Accuracy, Representativeness, Completeness and Comparability
PCB	Polychlorinated Biphenyl
PPB	Parts Per Billion
QA	Quality Assurance
QAPP	Quality Assurance Project Plan
QC	Quality Control
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
RL	Reporting Limit
RPD	Relative Percent Difference
SOP	Standard Operating Procedure
SRE	Sodium Reactor Experiment
SSFL	Santa Susana Field Laboratory
SVOC	Semivolatile Organic Compound
SWMU	Solid Waste Management Unit
TCDF	Tetrachlorodibenzofuran
TICs	Tentatively Identified Compounds
TPH	Total Petroluem Hydrocarbons
Triangle	Triangle Laboratory
µg/kg	Micrograms Per Kilogram
µg/L	Micrograms Per Liter
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound

1.0 OVERALL QUALITY ASSURANCE PROGRAM

This document has been prepared by MEC^X, LLC (MEC^X) for presentation in the Group 6 RFI Report Appendix A3 Sodium Reactor Experiment (SRE) (Area IV AOC) prepared by MWH, Inc. (MWH) on behalf of The Boeing Company.

The Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) at the Santa Susana Field Laboratory (SSFL) includes soil, groundwater, surface water, and biota sampling and analysis, as well as passive and active soil gas sampling and analysis following agency-approved work plans (Ogden 1996, 2000). Samples are analyzed for a variety of compounds including those analyzed in the Group 6 sampling effort: dioxins, general minerals (hexavalent chromium), metals, polychlorinated biphenyls (PCBs), volatile organic compounds (VOCs), and total petroleum hydrocarbons (TPH). The resulting data was validated by qualified chemists following United States Environmental Protection Agency (USEPA) guidelines as described in the RFI Quality Assurance Plans (QAPPs) and data validation standard operating procedures (SOPs). These data validation procedures are based on USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (February 1994) and National Functional Guidelines for Inorganic Data Review (February 1994).

The Group 6 sampling effort collected and analyzed soil samples following RFI protocols. Field Quality Control (QC) samples provide a means of evaluating the quality of field sampling procedures, the effectiveness of equipment decontamination procedures, and the potential for introduction of contaminants unrelated to the project. Field QC samples collected during the project included a field blank, equipment rinsates, and field duplicates. Unless otherwise noted, field QC samples were collected according to the Santa Susana Field Laboratory RFI QAPPs (Ogden 1996 and 2000).

Data from all samples collected in support of the Group 6 sampling effort were subsequently validated at either USEPA Level IV or V by MEC^X. The analyses reviewed included dioxins, general minerals (hexavalent chromium), metals, PCBs, VOCs, and TPH. The associated data validation reports, annotated laboratory result forms, and data tables are included in this attachment.

According to the established data validation protocols, analytical results were annotated following validation with the following qualifications: “U” (nondetected), “J” (estimated), “UJ”

(estimated nondetect), "N" (tentative identification), "NJ" (estimated and tentatively identified), and "R" (rejected). Data with "U," "J," "UJ," "NJ," or "N" qualifiers are usable; data with an "R" qualifier are unusable for any purpose. The data are additionally annotated with codes indicating the reason for the qualification. The following items were reviewed during the Level V validation process: sample management (collection techniques, sample containers, preservation, handling, transport, chain-of-custody, holding times); method blank sample results; blank spike and laboratory control sample results; surrogate recoveries, if applicable; matrix spike/matrix duplicate (MS/MSD) recoveries and precision; laboratory duplicate precision, if applicable; serial dilution precision, if applicable; field quality assurance / quality control (QA/QC) sample results; and other QC indicators as applicable. Level IV validation included review of the following: sample management, gas chromatography/mass spectroscopy (GC/MS) instrument performance, initial and continuing calibration, method blank results, continuing calibration blank results, matrix spike sample results, surrogate results, laboratory and field QC sample results, internal standard performance, target compound identification, compound quantification, reported detection limits, and a definitive review of the raw data.

As the Group 6 sampling effort was not a complete field project, but an action intended to eliminate gaps in the SRE data set, a precision, accuracy, representativeness, completeness, and comparability (PARCC) parameter assessment was not performed.

As discussed below in Sections 2 and 3, the Group 6 SRE data quality is acceptable for the purposes of the RFI, with qualifications as needed based on review by MEC^X.

2.0 QUALITY ASSURANCE FINDINGS FOR HISTORIC AND PRIMARY DATA

The quality of historic and primary data collected from the SRE was reviewed as part of the overall data quality assessment in the RFI Program Report (MWH 2004) and details regarding specific samples and analyses are found therein. The RFI Program Report was not site specific, but a programmatic data review. As such, the quality concerns listed below may or may not affect the SRE site samples. In general, however, the quality of the historical and primary data was acceptable, except as summarized in the sections below.

2.1 HISTORIC DATA

Historical data validated for the RFI consist of samples collected by ICF Kaiser, McLaren/Hart, and Groundwater Resource Consultants, Inc. from 1988 to 1995. These soil samples were analyzed for dioxins, general minerals, metals, Polynuclear Aromatic Hydrocarbon (PAH), semivolatile organic compounds (SVOC), TPH, and VOCs. As the samples comprising the historical data were collected by other consulting firms, not all QC data were available; however, validation was performed to the extent possible. In no instance did the lack of QC data invalidate the use of the historical data for the RFI.

2.2 PRIMARY DATA

Primary samples were collected for the RFI from 1995 to December 2003. These soil samples were analyzed for dioxins, energetic constituents, general minerals, metals, PAHs, PCBs, SVOCs, TPH, and VOCs. The quality of the primary data was acceptable with the exceptions noted in the sections below.

2.2.1 Ceimic Corporation Certification

Ceimic Corporation (Ceimic) (Narragansett, RI) analyzed almost 2,000 samples in May 1996 and from June 2000 to January 2004. Analyses performed at Ceimic included energetic constituents, general minerals, metals, perchlorate, PCBs, PAHs, SVOCs, VOCs, and TPH. In June 2003, it was determined that Ceimic's California National Environmental Laboratory Accreditation Program (NELAP) certification lapsed due to an administrative oversight. The certification was reestablished upon submission of the application and payment of the accreditation fee. All data from Ceimic was considered to be technically sound, but the results of all analyses performed at Ceimic from July 1, 2002 to July 31, 2003 were qualified as estimated as a conservative measure.

2.2.2 Interference in Soil Metal Analyses

While not all laboratories exhibited soil matrix interference in their metals analyses, most soil analyses were affected by high concentrations of the interfering analytes, specifically iron, aluminum, and vanadium. Antimony was the most consistently affected analyte, however, some other elements were affected.

To account for these interferences, the corrective actions taken resulted in the reporting limits (RLs) of the affected analytes being raised to a concentration equivalent to or greater than the interference in the sample. Detects reported below these levels were qualified as nondetected or as estimated nondetects. Detects reported above these levels were reviewed and their validity were determined on a case-by-case basis. Some detects reported above the raised reporting limits were found to have been affected by interference and were qualified as estimated nondetects.

2.2.2 Columbia Analytical Services Volatile Organic Compound Analyses

Almost 600 samples were analyzed for VOCs by Columbia Analytical Services (CAS) (Canoga Park, CA) from September 1997 to September 1999. Four samples were analyzed at CAS by EPA SW-846 Method 8260. These analyses were validated at QC Level IV and all Method 8260 results were qualified as rejected due to inappropriate manual integration of the calibration data.

The remaining VOCs analyses performed by CAS were analyzed by SW-846 Method 8021. Due to deficiencies in manual integration, the following Department of Toxic Substances Control (DTSC)-approved actions were taken:

- All reported detects were raised by 2× to account for the possible under-reporting.
- The reporting limits for bromoform and chloroform were elevated to 10 micrograms per kilogram (µg/kg), or 10 parts per billion (ppb), and qualified. As the reporting limits for soil sample target compounds were already at levels above the calibration levels affected, most reporting limits were unaffected.
- As the reporting limits for water samples were much lower, the water reporting limits were elevated to the levels equivalent to the soils, 10 micrograms per liter (µg/L), or 10 ppb.
- All target compounds in all samples analyzed by CAS by 8021 were qualified as estimated detects and nondetects.

2.2.3 Dioxin Analyses by EPA Method SW-846 8290

Dioxin data quality was affected by practices at three different laboratories; Alta Analytical (Alta) (El Dorado Hills, CA), Pace Analytical (Pace) (Minneapolis, MN) and Triangle Laboratory (Triangle) (Durham, NC). Alta data with octachlorodibenzo-p-dioxin (OCDD) concentrations that exceeded the linear range of the calibration were qualified as estimated. Alta and Pace detects for 2,3,7,8-TCDF detected below the calibration range were qualified as estimated. Triangle's estimated detection limits (EDLs) were not compound-specific for each sample and are not comparable to EDLs generated according to the method and reported by other laboratories.

2.2.4 Soil Vapor Incomplete Bulb Decontamination and Instrument Carryover

Early in the soil vapor sampling effort, detects in some samples were traced back to incomplete decontamination of bulbs used for sample collection. Additional decontamination procedures were therefore added for samples bulbs containing concentrations of VOCs greater than 1,000 µg/L. Results for 46 site samples were rejected due to incomplete bulb decontamination.

Due to very high concentrations of target compounds in some of the samples, effective dilutions were difficult to determine. The laboratory, Centrum Analytical
(Centrum) (Riverside, CA), reported a few target compounds above the linear range of the calibration, even from dilution analyses. Further dilutions were not performed and the resulting instrument carryover. As a result, 16 compound results were qualified as estimated detects.

3.0 QUALITY ASSURANCE FINDINGS FOR THE SODIUM REACTOR EXPERIMENT GROUP 6 SAMPLES

Soil samples collected as part of the Group 6 sampling effort in the SRE include five samples collected for dioxins, four samples for general minerals (hexavalent chromium), 18 samples for metals, 23 samples for PCBs, six samples for TPH,, and two samples for VOCs. Additionally, seven soil vapor samples were collected and analyzed for VOCs. Equipment rinsate samples were collected in association with the dioxins, metals, PCBs, TPH, and VOCs for Group 6. (As equipment rinsate samples apply to more than one Group 6 site, the equipment rinsate sample may be presented in another Appendix.) A field blank was collected for metals, PCBs and TPH. (The field blank for Group 6 is presented in Appendix A2, Attachment C1.) Field duplicate

samples were collected in association with general minerals, VOCs, and soil vapor VOCs. No field split samples were collected for the SRE.

3.1 DIOXINS

Alta analyzed 5 soil samples by EPA SW-846 Method 1613 for 19 dioxin and furan compounds. All data are usable as no results were rejected.

Some target compounds were detected in most samples. No results had elevated reporting limits. One furan detect was qualified as a nondetect due to method blank contamination. There was no other method blank qualifications although there were a few compounds reported in the method blanks below the laboratory's lower calibration standard or as estimated maximum possible concentrations (EMPCs). Additionally, a couple detects were qualified as estimated detects due to field QC sample contamination. A few target compound results were qualified as estimated detects and nondetects due to ether interferences or because the results were identified as EMPCs. A few 2,3,7,8-TCDF results were qualified as estimated detects as estimated detects as no confirmation analysis was performed. Unconfirmed detects for 2,3,7,8-TCDF are considered to be over-estimated since the primary analysis is non-specific to this furan isomer.

3.2 GENERAL MINERALS

Del Mar Analytical, Inc. (Del Mar) (Irvine, CA) analyzed four soil samples and one field duplicate sample by EPA SW-846 Method 7196A for hexavalent chromium. All data are useable as no results were rejected.

Hexavalent chromium was detected in one sample at a concentration below the reporting limit. No results were reported with elevated method detection limits (MDLs) or RLs. All results were qualified as estimated nondetects or as an estimated detect due to negative method blank contamination. One field duplicate pair was collected and analyzed for hexavalent chromium. Hexavalent chromium was not detected in the primary sample but was detected below the reporting limit in the field duplicate sample. In general, the field duplicate pair was in good agreement.

3.3 METALS

Del Mar analyzed eight soil samples, a field blank and equipment rinsate samples by EPA SW-846 Methods 6010B, 6020, 7470, and 7471 for 19 metal analytes, six samples were analyzed by 7471 for mercury only, two samples were analyzed by 6020 for silver only, and two samples were analyzed by 6020 for selenium, silver, and thallium only. All data are useable except for 11 antimony results rejected due to low MS/MSD recoveries.

Most metal analytes were detected in most of the samples and no results were reported with elevated MDLs or RLs. Most barium, nickel, molybdenum, chromium, copper, vanadium, and zinc results were qualified as estimated detects and nondetects due to low MS/MSD recoveries. Some metals were detected in the associated method blanks. Most boron and molybdenum detects and a few mercury and silver detects were qualified as estimated nondetects due to method blank contamination. Additionally, most copper, nickel, and zinc detects and a few cadmium and lead detects were qualified as estimated detects due to equipment rinsate contamination.

3.4 POLYCHLORINATED BIPHENYLS

Del Mar analyzed 23 soil samples, a field blank and equipment rinsates by EPA SW-846 Method 8082 for seven Aroclors. All results are useable except for all seven nondetected results in one sample which were rejected due to an exceeded extraction holding time.

A few detects for Aroclors 1254 and 1260 were reported in the samples. Two samples were reported from 3× dilutions due to the presence of non-target compounds in the sample matrix. Two samples were reported from 10× dilutions and three samples were reported from 20× dilutions to report detected target compounds in the linear range of the calibration. There were no method blank, field blank or equipment rinsate qualifications as there were no detects in the associated method blank, field blank or equipment rinsates.

3.5 TOTAL PETROLEUM HYDROCARBONS

Del Mar analyzed six soil samples, a field blank and equipment rinsates by EPA SW-846 Method 8015 Modified for four hydrocarbon ranges. The laboratory also reported total TPH. As

the total result was represented by the four separate ranges, all totals were rejected as duplicate data. All data for individual ranges are useable as no data were rejected.

There were several detects for the C21-C30 range in the samples. All results in four samples were reported at 2× dilutions due to the extract volume collected by the laboratory. There were no method blank, field blank or equipment rinsate qualifications, although one range was detected in an equipment rinsate.

3.6 VOLATILE ORGANIC COMPOUNDS

Del Mar analyzed two soil samples, a field blank, a trip blank, and one field duplicate samples by EPA SW-846 Method 8260B for 67 VOCs. All soil sample data are useable as no results were rejected. Two results for one compound were rejected in the trip blank and equipment rinsate as the samples were inappropriately preserved to report this compound.

Acetone was detected in both soil samples and both detects were qualified as estimated due to equipment rinsate contamination. No results were reported at elevated MDLs or RLs. There were no method blank qualifications as there were no detects in the associated method blank. All results for two compounds (2-chloro-1,1,1-trifluoroethane and chlorotrifluoroethene) were qualified as estimated nondetects as they were reported as the laboratory did not calibrate for these compounds, but searched for them as tentatively identified compounds (TICs). One field duplicate pair was collected and analyzed for VOCs. Acetone was detected in both samples with a Relative Percent Difference (RPD) less than 100%. The field duplicate pair was considered to be in agreement.

3.7 VOLATILE ORGANIC COMPOUNDS IN SOIL VAPOR SAMPLES

Seven samples and one field duplicate samples were analyzed by USEPA SW-846 Method 8260B for 24 soil vapor constituents by an onsite mobile laboratory provided by Centrum. All data are useable as no data were rejected.

No VOC compounds were detected in any of the soil vapor samples. No results were reported at elevated RLs. There were no method blank qualifications as there were no detects in the associated method blank. One field duplicate pair was collected and analyzed for VOCs. There were no detects in either sample. The field duplicate pair was considered to be in agreement.

4.0 REFERENCES

MWH. 2004. RCRA Facility Investigation Program Report, Santa Susana Field Laboratory, Ventura County. July.

Ogden Environmental and Energy Services, Company, Inc. (Ogden). 1996. RCRA Facility Investigation Work Plan Addendum, Santa Susana Field Laboratory, Ventura County, California. September 1996.

Ogden Environmental and Energy Services, Company, Inc. (Ogden). 2000. RCRA Facility Investigation Work Plan Addendum Amendment, Santa Susana Field Laboratory, Ventura County, California. June.

United States Environmental Protection Plan (USEPA). 1994. Contract Laboratory Program National Functional Guidelines for Inorganic Data Review. February.

United States Environmental Protection Plan (USEPA). 1994. Contract Laboratory Program National Functional Guidelines for Organic Data Review. February.

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ATTACHMENT A3-3
Electronic Copy of Laboratory Analytical Data, Validation Reports, COCs, and Case Narratives
Readme File

This Readme file contains information and instructions regarding the use of electronic copies of validation reports, chain-of-custody forms, case narratives, and data tables included in Attachment A3-3 of the *Group 6-Northeastern Portion Area IV RCRA Facility Investigation (RFI) Report Santa Susana Field Laboratory* (MWH 2006), and is provided electronically on the compact disc (CD) provided in this attachment.

This section provides a read-only CD that contains a summary data table and electronic copies of validation reports, chain-of-custody (COC) forms, and the case narratives of the samples that were collected at the Sodium Reactor Experiment (SRE) RFI Site (Area IV AOC). All data in the tables and documents included in this section were used for the RFI characterization and/or risk assessment of SRE in Appendix A3 of the Group 6-Northeastern Area IV Bundle Report.

There are four main components to this section (three folders and one summary data table):

1. Soil and SW

The Soil and Surface Water folder contains sampling and analytical information for soil and surface water samples collected at SRE. The folder is subdivided into two additional folders:

- **COC – Case Narratives:** This subfolder contains COCs, analytical request change forms (where applicable), and analytical report case narratives that are presented as electronic files. The electronic files are scanned images of hard copy documents presented in Portable Document Format (PDF) files, which can be viewed using Adobe Acrobat software. The electronic files are grouped and are organized in this subfolder by the sample delivery group (SDG) number, a tracking and reporting number used by the laboratory to group up to 20 samples upon receipt.

  The COCs were generated in the field at the time of sample collection to document the handling and change of custody of the samples.

  The case narrative is text typically found at the beginning of the laboratory report. Laboratories use the case narrative to describe any deviation from standard handling or analytical procedures for a sample or SDG. Information regarding lab certification and lab qualification codes can also be found in the case narrative files.

  Change Forms are generated for samples subsequent to shipment to the laboratory. Generally, change forms were generated when changes or corrections to a COC were needed (e.g., when additional analyses were requested for a sample).

  Validation Reports: Validation reports include laboratory results and a data assessment form completed by AMEC Earth and Environmental, Inc. (AMEC) or

MEC^X, LLC (MEC^X) data validators. The validation report summaries identify the laboratory method and target compounds for each sample. Additionally, the report indicates whether each compound was detected, the concentration (or detection limit if not detected), and applicable laboratory and data validation qualifiers. With the exception of field QC samples (field blanks, equipment rinsates), all analytical data generated from background field samples were validated by AMEC or MEC^X. . Data validation report PDFs are sorted by their validation report numbers, which can be associated with results of interest in the SRE Data Table (see description in section 4A below).

2. Soil Vapor

The Soil Vapor folder contains sampling and analytical information for soil vapor samples collected at SRE. The folder contains two subfolders:

- **COC – Case Narrative:** See the description for this subfolder in the Soil Matrix section above.
- **Validation Reports:** See the description for this subfolder in the Soil Matrix section above.

3. Outfall 004

The Outfall 004 folder contains sampling and analytical information for water samples collected at SRE Outfall 004. The folder contains one subfolder:

- **Validation Reports:** See the description for this subfolder in the Soil Matrix section above.

4. SRE Data Table

This table is a sampling and analytical results table for SRE samples included in the SRE RFI characterization. The table is provided in PDF format. The data was queried from the SSFL database, which has been maintained throughout the history of the RFI program. The table is sorted by sample identification, then by analytical method, then by analyte, then by EPA number (where applicable).

Results included in the SRE RFI risk assessment are populated with a "yes" in the 'Included in Risk Assessment' column of the table.

This table can be used as a correlation look-up table to make documents in this appendix easier to access. The structure and directions for use of this table is described below.

A. Table Structure

- **EPA Number** – Unique identifier assigned in the field to samples to identify analytical laboratory and facilitate database management. EPA_NOs were not

assigned to samples collected after June 15, 2006. The EPA_NO column is blank for samples collected after this date.

- **Sample Identification** –Identification assigned to sample to denote RFI site, sample collection method and sample matrix type, sample location, and sample number. Naming conventions are described in Table 4-1 of the Program Report (MWH 2004).
- **Analytical Method** – Analytical method use to analyze sample.
- **Analyte** – Chemical for which the sample is analyzed.
- **Concentration** – The concentration of a detected analyte or, if the analyte was not detected, the detection limit.
- **Units** – Unit of measurement for analyte (e.g., milligrams per kilogram [mg/kg]).
- **Reviewer Qualifier** – Review Qualifier code assigned by data reviewer at AMEC or MEC^X during the validation process. These codes are defined in Table 1.2 of Appendix A of the Program Report. Reviewer qualifiers with an '*' were not validated. The qualifier code preceding the asterisk was usually provided by the analytical laboratory.
- **Detection Limit**– Minimum reportable concentration of an analyte as determined by the laboratory.
- **Matrix** – Surficial sample matrix. See Sample Collection and Matrix Type section of Table 4-1 of the Program Report (MWH 2000).
- **Collection Date** – Date of sample collection.
- **Depth (ft bgs)** – Sample depth (feet below ground surface).
- **Sample Type** – Sample type indicates whether the samples is a primary, field duplicate, or split sample. A more detailed description of the different sample types can be found in the Quality Assurance Project Plan (QAPP) (Ogden 2000a).
- **SDG Number** – SDG number assigned by the laboratory upon receipt of samples. A single SDG number is assigned to all samples on one COC form (up to 20 samples), and each laboratory report includes one SDG.
- **Excavated** – Indicates whether the soil from which the sample was collected has been excavated. If the sample was excavated, this column is populated with "yes". Samples that have not been excavated are designated with "no" in this column.
- **Contained or Transformer** – Indicates the sample was collected from a contained unit if there is a 'C' in this field. 'A' indicates aerial photo site. 'T' indicates samples collected at or near transformers. 'R' indicates soil associated with sample that has been excavated (for samples collected prior the start of RFI program sampling in May 22, 1996). 'LF' indicates 'Leach Field' samples (applies only to pre-RFI samples).
- **Analytical Laboratory** – Analytical laboratory where the sample was analyzed.
- **Laboratory Sample Number** – Unique identifier assigned by the analytical laboratory to field samples and laboratory QC samples for internal use and reporting purposes.
- **Validation Report Number** – Tracking number assigned by AMEC or MEC^X. The validation report number provides a system to associate the data in the RFI database with the hard copy version of the validation report. Validation report number

assignments and method associations are defined in Table B-1-2 of Appendix B-1in the Program Report.

- **Northings and Eastings** – Map Coordinates (State Plane, NAD 27 Zone V).
- **Publication** – Document reference for samples whose results were discussed in a previously published document. Used mainly for pre-RFI samples.
- **Included in Risk Assessment** – Populated with either a "yes" or a "no". A "yes" in this column indicates the result was included in the risk assessment for SRE. A "no" in this column indicates the result was not included in the risk assessment for SRE. See Appendix C of the Group 6 Bundle Report for more information regarding risk assessments.
- **Rationale for Risk Exclusion –** provides justification for not including a result in the risk assessment for SRE. This applies only to samples that were not included in the risk assessment. Results with no value in this column were included in the risk assessment. See Appendix C of the Group 6 Bundle Report for more information regarding risk assessments.

B. Instructions for use as look-up tables

These tables are configured to facilitate the search for a document in any of the folders described above. To locate documents for samples associated with a particular result:

1. Using the table's sorting priority described earlier in this section Locate the sample identification and laboratory method.

2. Scroll right to the SDG and validation report number columns.

3. Note the appropriate SDG and validation report number.

4. Locate the document of interest under the appropriate folder as described above. The folders containing COCs, case narratives, and results that were not validated are organized by SDG number. Validation reports are organized by the validation report numbers.

Sodium Reactor Expirement (Area IV Area of Concern)
Sampling and Analytical Results Summary
Santa Susana Field Laboratory

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
BB19001	BB19001	6010	Antimony	2.5	mg/kg	U*	2.5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	6010	Beryllium	0.41	mg/kg	*	0.25	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	6010	Cadmium	0.5	mg/kg	U*	0.5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	6010	Chromium	11	mg/kg	*	1	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	6010	Copper	8.1	mg/kg	*	1	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	6010	Lead	17	mg/kg	*	2.5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	6010	Nickel	6.2	mg/kg	*	1	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	6010	Silver	1	mg/kg	U*	1	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	6010	Zinc	110	mg/kg	*	1	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	7060	Arsenic	2.6	mg/kg	*	0.5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	7471	Mercury	0.25	mg/kg	U*	0.25	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	7740	Selenium	0.25	mg/kg	U*	0.25	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	7841	Thallium	0.5	mg/kg	U*	0.5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	1,1,1-Trichloroethane	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	1,1,2,2-Tetrachloroethane	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	1,1,2-Trichloroethane	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	1,1-Dichloroethane	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	1,1-Dichloroethene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	1,2-Dichlorobenzene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	1,2-Dichloroethane	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	1,2-Dichloropropane	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	1,3-Dichlorobenzene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	1,4-Dichlorobenzene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	2-Butanone	25	µg/kg	U*	25	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	2-Chloroethyl vinyl ether	10	µg/kg	U*	10	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	2-Hexanone	25	µg/kg	U*	25	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	4-Methyl-2-pentanone	25	µg/kg	U*	25	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	Acetone	25	µg/kg	U*	25	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	Benzene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	Bromodichloromethane	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	Bromoform	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	Bromomethane	10	µg/kg	U*	10	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	Carbon disulfide	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	Carbon tetrachloride	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	Chlorobenzene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	Chloroethane	10	µg/kg	U*	10	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	Chloroform	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	Chloromethane	10	µg/kg	U*	10	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	cis-1,2-Dichloroethene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	cis-1,3-Dichloropropene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	Dibromochloromethane	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	Ethylbenzene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	m,p-Xylene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	Methylene chloride	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	o-Xylene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	Styrene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	Tetrachloroethene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	Toluene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	trans-1,2-Dichloroethene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	trans-1,3-Dichloropropene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	Trichloroethene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	Trichlorofluoromethane	10	µg/kg	U*	10	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8240	Vinyl chloride	10	µg/kg	U*	10	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	1,2,4-Trichlorobenzene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	1,2-Dichlorobenzene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	1,3-Dichlorobenzene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	1,4-Dichlorobenzene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	2,4,5-Trichlorophenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	2,4,6-Trichlorophenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	2,4-Dichlorophenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	2,4-Dimethylphenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	2,4-Dinitrophenol	1600	µg/kg	U*	1600	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	2,4-Dinitrotoluene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	2,6-Dinitrotoluene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	2-Chloronaphthalene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	2-Chlorophenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	2-Methylnaphthalene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	2-Methylphenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	2-Nitroaniline	1600	µg/kg	U*	1600	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	2-Nitrophenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	3,3'-Dichlorobenzidine	660	µg/kg	U*	660	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	3-Nitroaniline	1600	µg/kg	U*	1600	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	4,4'-DDD	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	4,4'-DDE	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	4,4'-DDT	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	4,6-Dinitro-2-methylphenol	1600	µg/kg	U*	1600	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	4-Bromophenyl phenyl ether	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	4-Chloro-3-methylphenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	4-Chloroaniline	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	4-Chlorophenyl phenyl ether	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	4-Methylphenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	4-Nitroaniline	1600	µg/kg	U*	1600	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	4-Nitrophenol	1600	µg/kg	U*	1600	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	a-Benzene Hexachloride	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Acenaphthene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Acenaphthylene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Aldrin	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Anthracene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	b-Benzene Hexachloride	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Benzo(a)anthracene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Benzo(a)pyrene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Benzo(b)fluoranthene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Benzo(g,h,i)perylene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Benzo(k)fluoranthene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
BB19001	BB19001	8270M	Benzoic Acid	1600	µg/kg	U*	1600	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Benzyl alcohol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	bis(2-Chloroethoxy)methane	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	bis(2-Chloroethyl)ether	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	bis(2-Chloroisopropyl) ether	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	bis(2-Ethylhexyl)phthalate	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Butylbenzylphthalate	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Chrysene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	d-Benzene Hexachloride	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Dibenzo(a,h)anthracene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Dibenzofuran	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Dieldrin	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Diethylphthalate	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Dimethyl phthalate	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Di-n-butyl phthalate	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Di-n-octyl phthalate	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Endosulfan sulfate	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Endrin	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Fluoranthene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Fluorene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Heptachlor	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Heptachlor epoxide	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Hexachlorobenzene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Hexachlorobutadiene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Hexachlorocyclopentadiene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Hexachloroethane	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Indeno(1,2,3-cd)pyrene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Isophorone	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Lindane (gamma-BHC)	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Naphthalene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Nitrobenzene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	N-nitrosodi-n-propylamine	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	N-nitrosodiphenylamine	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Pentachlorophenol	1600	µg/kg	U*	1600	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Phenanthrene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Phenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19001	BB19001	8270M	Pyrene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268887.6562	1786905.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	6010	Antimony	2.5	mg/kg	U*	2.5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	6010	Beryllium	0.44	mg/kg	*	0.25	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	6010	Cadmium	0.5	mg/kg	U*	0.5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	6010	Chromium	13	mg/kg	*	1	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	6010	Copper	8.8	mg/kg	*	1	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	6010	Lead	16	mg/kg	*	2.5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	6010	Nickel	6.9	mg/kg	*	1	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	6010	Silver	1	mg/kg	U*	1	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	6010	Zinc	52	mg/kg	*	1	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	7060	Arsenic	2.7	mg/kg	*	0.5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	7471	Mercury	0.25	mg/kg	U*	0.25	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	7740	Selenium	0.25	mg/kg	U*	0.25	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	7841	Thallium	0.5	mg/kg	U*	0.5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	1,1,1-Trichloroethane	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	1,1,2,2-Tetrachloroethane	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	1,1,2-Trichloroethane	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	1,1-Dichloroethane	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	1,1-Dichloroethene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	1,2-Dichlorobenzene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	1,2-Dichloroethane	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	1,2-Dichloropropane	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	1,3-Dichlorobenzene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	1,4-Dichlorobenzene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	2-Butanone	25	µg/kg	U*	25	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	2-Chloroethyl vinyl ether	10	µg/kg	U*	10	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	2-Hexanone	25	µg/kg	U*	25	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	4-Methyl-2-pentanone	25	µg/kg	U*	25	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	Acetone	25	µg/kg	U*	25	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	Benzene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	Bromodichloromethane	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	Bromoform	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	Bromomethane	10	µg/kg	U*	10	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	Carbon disulfide	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	Carbon tetrachloride	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	Chlorobenzene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	Chloroethane	10	µg/kg	U*	10	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	Chloroform	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	Chloromethane	10	µg/kg	U*	10	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	cis-1,2-Dichloroethene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	cis-1,3-Dichloropropene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	Dibromochloromethane	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	Ethylbenzene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	m,p-Xylene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	Methylene chloride	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	o-Xylene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	Styrene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	Tetrachloroethene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	Toluene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	trans-1,2-Dichloroethene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	trans-1,3-Dichloropropene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	Trichloroethene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	Trichlorofluoromethane	10	µg/kg	U*	10	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8240	Vinyl chloride	10	µg/kg	U*	10	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	1,2,4-Trichlorobenzene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	1,2-Dichlorobenzene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	1,3-Dichlorobenzene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	1,4-Dichlorobenzene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
BB19002	BB19002	8270M	2,4,5-Trichlorophenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	2,4,6-Trichlorophenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	2,4-Dichlorophenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	2,4-Dimethylphenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	2,4-Dinitrophenol	1600	µg/kg	U*	1600	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	2,4-Dinitrotoluene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	2,6-Dinitrotoluene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	2-Chloronaphthalene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	2-Chlorophenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	2-Methylnaphthalene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	2-Methylphenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	2-Nitroaniline	1600	µg/kg	U*	1600	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	2-Nitrophenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	3,3-Dichlorobenzidine	660	µg/kg	U*	660	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	3-Nitroaniline	1600	µg/kg	U*	1600	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	4,4'-DDD	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	4,4'-DDE	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	4,4'-DDT	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	4,6-Dinitro-2-methylphenol	1600	µg/kg	U*	1600	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	4-Bromophenyl phenyl ether	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	4-Chloro-3-methylphenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	4-Chloroaniline	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	4-Chlorophenyl phenyl ether	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	4-Methylphenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	4-Nitroaniline	1600	µg/kg	U*	1600	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	4-Nitrophenol	1600	µg/kg	U*	1600	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	a-Benzene Hexachloride	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Acenaphthene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Acenaphthylene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Aldrin	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Anthracene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	b-Benzene Hexachloride	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Benzo(a)anthracene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Benzo(a)pyrene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Benzo(b)fluoranthene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Benzo(g,h,i)perylene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Benzo(k)fluoranthene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Benzoic Acid	1600	µg/kg	U*	1600	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Benzyl alcohol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	bis(2-Chloroethoxy)methane	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	bis(2-Chloroethyl)ether	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	bis(2-Chloroisopropyl) ether	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	bis(2-Ethylhexyl)phthalate	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Butylbenzylphthalate	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Chrysene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	d-Benzene Hexachloride	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Dibenzo(a,h)anthracene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Dibenzofuran	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Dieldrin	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Diethylphthalate	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Dimethyl phthalate	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Di-n-butyl phthalate	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Di-n-octyl phthalate	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Endosulfan sulfate	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Endrin	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Fluoranthene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Fluorene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Heptachlor	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Heptachlor epoxide	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Hexachlorobenzene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Hexachlorobutadiene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Hexachlorocyclopentadiene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Hexachloroethane	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Indeno(1,2,3-cd)pyrene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Isophorone	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Lindane (gamma-BHC)	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Naphthalene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Nitrobenzene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	N-nitrosodi-n-propylamine	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	N-nitrosodiphenylamine	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Pentachlorophenol	1600	µg/kg	U*	1600	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Phenanthrene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Phenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002	BB19002	8270M	Pyrene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002-DUP	BB19002-DUP	6010	Antimony	2.5	mg/kg	U*	2.5	Sediment	4/23/1992		Field Duplicate	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002-DUP	BB19002-DUP	6010	Beryllium	0.39	mg/kg	*	0.25	Sediment	4/23/1992		Field Duplicate	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002-DUP	BB19002-DUP	6010	Cadmium	0.5	mg/kg	U*	0.5	Sediment	4/23/1992		Field Duplicate	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002-DUP	BB19002-DUP	6010	Chromium	11	mg/kg	*	1	Sediment	4/23/1992		Field Duplicate	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002-DUP	BB19002-DUP	6010	Copper	6.2	mg/kg	*	1	Sediment	4/23/1992		Field Duplicate	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002-DUP	BB19002-DUP	6010	Lead	13	mg/kg	*	2.5	Sediment	4/23/1992		Field Duplicate	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002-DUP	BB19002-DUP	6010	Nickel	5.9	mg/kg	*	1	Sediment	4/23/1992		Field Duplicate	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002-DUP	BB19002-DUP	6010	Silver	1	mg/kg	U*	1	Sediment	4/23/1992		Field Duplicate	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002-DUP	BB19002-DUP	6010	Zinc	39	mg/kg	*	1	Sediment	4/23/1992		Field Duplicate	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002-DUP	BB19002-DUP	7060	Arsenic	2.7	mg/kg	*	0.5	Sediment	4/23/1992		Field Duplicate	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002-DUP	BB19002-DUP	7471	Mercury	0.25	mg/kg	U*	0.25	Sediment	4/23/1992		Field Duplicate	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002-DUP	BB19002-DUP	7740	Selenium	0.25	mg/kg	U*	0.25	Sediment	4/23/1992		Field Duplicate	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19002-DUP	BB19002-DUP	7841	Thallium	0.5	mg/kg	U*	0.5	Sediment	4/23/1992		Field Duplicate	BB19	no		McLaren/Hart			268964.4375	1786919	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	6010	Antimony	2.5	mg/kg	U*	2.5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	6010	Beryllium	0.27	mg/kg	*	0.25	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	6010	Cadmium	0.5	mg/kg	U*	0.5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	6010	Chromium	7.4	mg/kg	*	1	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	6010	Copper	4.5	mg/kg	*	1	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	6010	Lead	4.5	mg/kg	*	2.5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	6010	Nickel	3.9	mg/kg	*	1	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
BB19003	BB19003	6010	Silver	1	mg/kg	U*	1	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	6010	Zinc	58	mg/kg	*	1	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	7060	Arsenic	1.8	mg/kg	*	0.5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	7471	Mercury	0.25	mg/kg	U*	0.25	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	7740	Selenium	0.25	mg/kg	U*	0.25	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	7841	Thallium	0.5	mg/kg	U*	0.5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	1,1,1-Trichloroethane	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	1,1,2,2-Tetrachloroethane	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	1,1,2-Trichloroethane	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	1,1-Dichloroethane	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	1,1-Dichloroethene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	1,2-Dichlorobenzene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	1,2-Dichloroethane	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	1,2-Dichloropropane	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	1,3-Dichlorobenzene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	1,4-Dichlorobenzene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	2-Butanone	25	µg/kg	U*	25	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	2-Chloroethyl vinyl ether	10	µg/kg	U*	10	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	2-Hexanone	25	µg/kg	U*	25	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	4-Methyl-2-pentanone	25	µg/kg	U*	25	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	Acetone	25	µg/kg	U*	25	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	Benzene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	Bromodichloromethane	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	Bromoform	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	Bromomethane	10	µg/kg	U*	10	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	Carbon disulfide	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	Carbon tetrachloride	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	Chlorobenzene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	Chloroethane	10	µg/kg	U*	10	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	Chloroform	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	Chloromethane	10	µg/kg	U*	10	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	cis-1,2-Dichloroethene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	cis-1,3-Dichloropropene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	Dibromochloromethane	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	Ethylbenzene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	m,p-Xylene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	Methylene chloride	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	o-Xylene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	Styrene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	Tetrachloroethene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	Toluene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	trans-1,2-Dichloroethene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	trans-1,3-Dichloropropene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	Trichloroethene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	Trichlorofluoromethane	10	µg/kg	U*	10	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8240	Vinyl chloride	10	µg/kg	U*	10	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	1,2,4-Trichlorobenzene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	1,2-Dichlorobenzene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	1,3-Dichlorobenzene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	1,4-Dichlorobenzene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	2,4,5-Trichlorophenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	2,4,6-Trichlorophenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	2,4-Dichlorophenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	2,4-Dimethylphenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	2,4-Dinitrophenol	1600	µg/kg	U*	1600	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	2,4-Dinitrotoluene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	2,6-Dinitrotoluene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	2-Chloronaphthalene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	2-Chlorophenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	2-Methylnaphthalene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	2-Methylphenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	2-Nitroaniline	1600	µg/kg	U*	1600	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	2-Nitrophenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	3,3'-Dichlorobenzidine	660	µg/kg	U*	660	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	3-Nitroaniline	1600	µg/kg	U*	1600	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	4,4'-DDD	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	4,4'-DDE	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	4,4'-DDT	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	4,6-Dinitro-2-methylphenol	1600	µg/kg	U*	1600	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	4-Bromophenyl phenyl ether	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	4-Chloro-3-methylphenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	4-Chloroaniline	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	4-Chlorophenyl phenyl ether	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	4-Methylphenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	4-Nitroaniline	1600	µg/kg	U*	1600	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	4-Nitrophenol	1600	µg/kg	U*	1600	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	a-Benzene Hexachloride	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Acenaphthene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Acenaphthylene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Aldrin	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Anthracene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	b-Benzene Hexachloride	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Benzo(a)anthracene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Benzo(a)pyrene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Benzo(b)fluoranthene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Benzo(g,h,i)perylene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Benzo(k)fluoranthene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Benzoic Acid	1600	µg/kg	U*	1600	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Benzyl alcohol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	bis(2-Chloroethoxy)methane	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	bis(2-Chloroethyl)ether	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	bis(2-Chloroisopropyl) ether	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	bis(2-Ethylhexyl)phthalate	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Butylbenzylphthalate	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
BB19003	BB19003	8270M	Chrysene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	d-Benzene Hexachloride	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Dibenzo(a,h)anthracene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Dibenzofuran	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Dieldrin	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Diethylphthalate	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Dimethyl phthalate	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Di-n-butyl phthalate	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Di-n-octyl phthalate	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Endosulfan sulfate	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Endrin	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Fluoranthene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Fluorene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Heptachlor	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Heptachlor epoxide	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Hexachlorobenzene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Hexachlorobutadiene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Hexachlorocyclopentadiene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Hexachloroethane	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Indeno(1,2,3-cd)pyrene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Isophorone	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Lindane (gamma-BHC)	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Naphthalene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Nitrobenzene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	N-nitrosodi-n-propylamine	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	N-nitrosodiphenylamine	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Pentachlorophenol	1600	µg/kg	U*	1600	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Phenanthrene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Phenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003	BB19003	8270M	Pyrene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003-USEPA	BB19003-USEPA	6010	Beryllium	0.2	mg/kg	*		Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	6010	Cadmium	0.5	mg/kg	U*	0.5	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	6010	Chromium	6	mg/kg	*		Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	6010	Copper	6	mg/kg	*		Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	6010	Lead	3.5	mg/kg	*		Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	6010	Nickel	5	mg/kg	*		Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	6010	Silver	0.5	mg/kg	U*	0.5	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	6010	Zinc	56	mg/kg	*		Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	7060	Arsenic	1.9	mg/kg	*		Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	7471	Mercury	0.1	mg/kg	U*	0.1	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	7740	Selenium	0.2	mg/kg	U*	0.2	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	1,1,1-Trichloroethane	7	µg/kg	U*	7	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	1,1,2,2-Tetrachloroethane	7	µg/kg	U*	7	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	1,1,2-Trichloroethane	7	µg/kg	U*	7	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	1,1,2-Trichlorotrifluoroethane	7	µg/kg	U*	7	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	1,1-Dichloroethane	7	µg/kg	U*	7	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	1,1-Dichloroethene	7	µg/kg	U*	7	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	1,2-Dichloroethane	7	µg/kg	U*	7	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	1,2-Dichloroethene (total)	7	µg/kg	U*	7	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	1,2-Dichloropropane	7	µg/kg	U*	7	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	2-Butanone	14	µg/kg	U*	14	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	2-Hexanone	14	µg/kg	U*	14	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	4-Methyl-2-pentanone	14	µg/kg	U*	14	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	Acetone	30	µg/kg	*		Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	Benzene	7	µg/kg	U*	7	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	Bromodichloromethane	7	µg/kg	U*	7	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	Bromoform	7	µg/kg	U*	7	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	Bromomethane	14	µg/kg	U*	14	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	Carbon disulfide	7	µg/kg	U*	7	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	Carbon tetrachloride	7	µg/kg	U*	7	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	Chlorobenzene	7	µg/kg	U*	7	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	Chloroethane	14	µg/kg	U*	14	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	Chloroform	7	µg/kg	U*	7	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	Chloromethane	14	µg/kg	U*	14	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	cis-1,3-Dichloropropene	7	µg/kg	U*	7	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	Dibromochloromethane	7	µg/kg	U*	7	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	Ethylbenzene	7	µg/kg	U*	7	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	Methylene chloride	4	µg/kg	J*		Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	Styrene	4	µg/kg	J*		Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	Tetrachloroethene	7	µg/kg	U*	7	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	Toluene	7	µg/kg	U*	7	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	trans-1,3-Dichloropropene	7	µg/kg	U*	7	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	Trichloroethene	7	µg/kg	U*	7	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	Vinyl acetate	14	µg/kg	U*	14	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	Vinyl chloride	14	µg/kg	U*	14	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8240	Xylenes (total)	7	µg/kg	U*	7	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	1,2,4-Trichlorobenzene	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	1,2-Dichlorobenzene	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	1,3-Dichlorobenzene	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	1,4-Dichlorobenzene	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	2,4,5-Trichlorophenol	2300	µg/kg	U*	2300	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	2,4,6-Trichlorophenol	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	2,4-Dichlorophenol	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	2,4-Dimethylphenol	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	2,4-Dinitrophenol	2300	µg/kg	U*	2300	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	2,4-Dinitrotoluene	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	2,6-Dinitrotoluene	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	2-Chloronaphthalene	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	2-Chlorophenol	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	2-Methylnaphthalene	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	2-Methylphenol	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	2-Nitroaniline	2300	µg/kg	U*	2300	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	2-Nitrophenol	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	3,3'-Dichlorobenzidine	930	µg/kg	U*	930	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
BB19003-USEPA	BB19003-USEPA	8270	3-Nitroaniline	2300	µg/kg	U*	2300	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	4,6-Dinitro-2-methylphenol	2300	µg/kg	U*	2300	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	4-Bromophenyl phenyl ether	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	4-Chloro-3-methylphenol	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	4-Chloroaniline	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	4-Chlorophenyl phenyl ether	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	4-Methylphenol	150	µg/kg	J*		Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	4-Nitroaniline	2300	µg/kg	U*	2300	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	4-Nitrophenol	2300	µg/kg	U*	2300	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	Acenaphthene	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	Acenaphthylene	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	Anthracene	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	Benzo(a)anthracene	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	Benzo(a)pyrene	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	Benzo(b)fluoranthene	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	Benzo(g,h,i)perylene	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	Benzo(k)fluoranthene	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	Benzoic Acid	2300	µg/kg	U*	2300	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	Benzyl alcohol	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	bis(2-Chloroethoxy)methane	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	bis(2-Chloroethyl)ether	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	bis(2-Chloroisopropyl) ether	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	bis(2-Ethylhexyl)phthalate	210	µg/kg	J*		Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	Butylbenzylphthalate	220	µg/kg	J*		Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	Chrysene	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	Dibenzo(a,h)anthracene	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	Dibenzofuran	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	Diethylphthalate	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	Dimethyl phthalate	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	Di-n-butyl phthalate	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	Di-n-octyl phthalate	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	Fluoranthene	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	Fluorene	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	Hexachlorobenzene	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	Hexachlorobutadiene	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	Hexachlorocyclopentadiene	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	Hexachloroethane	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	Indeno(1,2,3-cd)pyrene	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	Isophorone	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	Naphthalene	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	Nitrobenzene	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	N-nitrosodi-n-propylamine	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	N-nitrosodiphenylamine	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	Pentachlorophenol	2300	µg/kg	U*	2300	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	Phenanthrene	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	Phenol	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003-USEPA	BB19003-USEPA	8270	Pyrene	460	µg/kg	U*	460	Sediment	4/23/1992		Sample Split	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	IT Anlytical	no	data not validated
BB19003W	BB19003W	610	Acenaphthene	10	µg/L	U*	10	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	610	Acenaphthylene	10	µg/L	U*	10	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	610	Anthracene	10	µg/L	U*	10	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	610	Benzo(a)anthracene	20	µg/L	U*	20	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	610	Benzo(a)pyrene	20	µg/L	U*	20	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	610	Benzo(b)fluoranthene	20	µg/L	U*	20	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	610	Benzo(g,h,i)perylene	50	µg/L	U*	50	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	610	Benzo(k)fluoranthene	20	µg/L	U*	20	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	610	Chrysene	20	µg/L	U*	20	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	610	Dibenzo(a,h)anthracene	50	µg/L	U*	50	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	610	Fluoranthene	10	µg/L	U*	10	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	610	Fluorene	10	µg/L	U*	10	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	610	Indeno(1,2,3-cd)pyrene	50	µg/L	U*	50	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	610	Naphthalene	10	µg/L	U*	10	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	610	Phenanthrene	10	µg/L	U*	10	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	610	Pyrene	10	µg/L	U*	10	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	6010	Antimony	0.05	mg/L	U*	0.05	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	6010	Beryllium	0.005	mg/L	U*	0.005	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	6010	Cadmium	0.01	mg/L	U*	0.01	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	6010	Chromium	0.01	mg/L	U*	0.01	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	6010	Copper	0.02	mg/L	U*	0.02	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	6010	Lead	0.003	mg/L	U*	0.003	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	6010	Nickel	0.02	mg/L	U*	0.02	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	6010	Silver	0.01	mg/L	U*	0.01	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	6010	Zinc	0.02	mg/L	U*	0.02	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	7060	Arsenic	0.01	mg/L	U*	0.01	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	7471	Mercury	0.0005	mg/L	U*	0.0005	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	7740	Selenium	0.005	mg/L	U*	0.005	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	7841	Thallium	0.01	mg/L	U*	0.01	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	1,1,1-Trichloroethane	5	µg/L	U*	5	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	1,1,2,2-Tetrachloroethane	5	µg/L	U*	5	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	1,1,2-Trichloroethane	5	µg/L	U*	5	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	1,1-Dichloroethane	5	µg/L	U*	5	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	1,1-Dichloroethene	5	µg/L	U*	5	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	1,2-Dichlorobenzene	5	µg/L	U*	5	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	1,2-Dichloroethane	5	µg/L	U*	5	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	1,2-Dichloropropane	5	µg/L	U*	5	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	1,3-Dichlorobenzene	5	µg/L	U*	5	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	1,4-Dichlorobenzene	5	µg/L	U*	5	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	2-Butanone	25	µg/L	U*	25	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	2-Chloroethyl vinyl ether	10	µg/L	U*	10	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	2-Hexanone	25	µg/L	U*	25	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	4-Methyl-2-pentanone	25	µg/L	U*	25	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	Acetone	25	µg/L	U*	25	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	Benzene	5	µg/L	U*	5	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	Bromodichloromethane	5	µg/L	U*	5	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	Bromoform	5	µg/L	U*	5	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
BB19003W	BB19003W	8240	Bromomethane	10	µg/L	U*	10	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	Carbon disulfide	5	µg/L	U*	5	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	Carbon tetrachloride	5	µg/L	U*	5	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	Chlorobenzene	5	µg/L	U*	5	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	Chloroethane	10	µg/L	U*	10	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	Chloroform	5	µg/L	U*	5	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	Chloromethane	10	µg/L	U*	10	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	cis-1,2-Dichloroethene	5	µg/L	U*	5	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	cis-1,3-Dichloropropene	5	µg/L	U*	5	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	Dibromochloromethane	5	µg/L	U*	5	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	Ethylbenzene	5	µg/L	U*	5	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	m,p-Xylene	5	µg/L	U*	5	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	Methylene chloride	5	µg/L	U*	5	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	o-Xylene	5	µg/L	U*	5	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	Styrene	5	µg/L	U*	5	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	Tetrachloroethene	5	µg/L	U*	5	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	Toluene	5	µg/L	U*	5	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	trans-1,2-Dichloroethene	5	µg/L	U*	5	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	trans-1,3-Dichloropropene	5	µg/L	U*	5	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	Trichloroethene	5	µg/L	U*	5	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	Trichlorofluoromethane	10	µg/L	U*	10	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19003W	BB19003W	8240	Vinyl chloride	10	µg/L	U*	10	Water	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269043.4063	1786941	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	6010	Antimony	2.5	mg/kg	U*	2.5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	6010	Beryllium	0.32	mg/kg	*	0.25	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	6010	Cadmium	0.5	mg/kg	U*	0.5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	6010	Chromium	5.5	mg/kg	*	1	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	6010	Copper	3.4	mg/kg	*	1	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	6010	Lead	5.9	mg/kg	*	2.5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	6010	Nickel	2.6	mg/kg	*	1	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	6010	Silver	1	mg/kg	U*	1	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	6010	Zinc	44	mg/kg	*	1	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	7060	Arsenic	1.9	mg/kg	*	0.5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	7471	Mercury	0.25	mg/kg	U*	0.25	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	7740	Selenium	0.25	mg/kg	U*	0.25	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	7841	Thallium	0.5	mg/kg	U*	0.5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	1,1,1-Trichloroethane	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	1,1,2,2-Tetrachloroethane	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	1,1,2-Trichloroethane	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	1,1-Dichloroethane	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	1,1-Dichloroethene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	1,2-Dichlorobenzene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	1,2-Dichloroethane	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	1,2-Dichloropropane	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	1,3-Dichlorobenzene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	1,4-Dichlorobenzene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	2-Butanone	25	µg/kg	U*	25	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	2-Chloroethyl vinyl ether	10	µg/kg	U*	10	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	2-Hexanone	25	µg/kg	U*	25	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	4-Methyl-2-pentanone	25	µg/kg	U*	25	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	Acetone	25	µg/kg	U*	25	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	Benzene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	Bromodichloromethane	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	Bromoform	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	Bromomethane	10	µg/kg	U*	10	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	Carbon disulfide	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	Carbon tetrachloride	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	Chlorobenzene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	Chloroethane	10	µg/kg	U*	10	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	Chloroform	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	Chloromethane	10	µg/kg	U*	10	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	cis-1,2-Dichloroethene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	cis-1,3-Dichloropropene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	Dibromochloromethane	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	Ethylbenzene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	m,p-Xylene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	Methylene chloride	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	o-Xylene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	Styrene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	Tetrachloroethene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	Toluene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	trans-1,2-Dichloroethene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	trans-1,3-Dichloropropene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	Trichloroethene	5	µg/kg	U*	5	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	Trichlorofluoromethane	10	µg/kg	U*	10	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8240	Vinyl chloride	10	µg/kg	U*	10	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	1,2,4-Trichlorobenzene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	1,2-Dichlorobenzene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	1,3-Dichlorobenzene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	1,4-Dichlorobenzene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	2,4,5-Trichlorophenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	2,4,6-Trichlorophenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	2,4-Dichlorophenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	2,4-Dimethylphenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	2,4-Dinitrophenol	1600	µg/kg	U*	1600	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	2,4-Dinitrotoluene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	2,6-Dinitrotoluene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	2-Chloronaphthalene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	2-Chlorophenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	2-Methylnaphthalene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	2-Methylphenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	2-Nitroaniline	1600	µg/kg	U*	1600	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	2-Nitrophenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	3,3'-Dichlorobenzidine	660	µg/kg	U*	660	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	3-Nitroaniline	1600	µg/kg	U*	1600	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
BB19004	BB19004	8270M	4,4'-DDD	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	4,4'-DDE	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	4,4'-DDT	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	4,6-Dinitro-2-methylphenol	1600	µg/kg	U*	1600	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	4-Bromophenyl phenyl ether	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	4-Chloro-3-methylphenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	4-Chloroaniline	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	4-Chlorophenyl phenyl ether	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	4-Methylphenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	4-Nitroaniline	1600	µg/kg	U*	1600	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	4-Nitrophenol	1600	µg/kg	U*	1600	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	a-Benzene Hexachloride	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Acenaphthene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Acenaphthylene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Aldrin	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Anthracene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	b-Benzene Hexachloride	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Benzo(a)anthracene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Benzo(a)pyrene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Benzo(b)fluoranthene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Benzo(g,h,i)perylene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Benzo(k)fluoranthene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Benzoic Acid	1600	µg/kg	U*	1600	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Benzyl alcohol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	bis(2-Chloroethoxy)methane	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	bis(2-Chloroethyl)ether	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	bis(2-Chloroisopropyl) ether	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	bis(2-Ethylhexyl)phthalate	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Butylbenzylphthalate	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Chrysene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	d-Benzene Hexachloride	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Dibenzo(a,h)anthracene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Dibenzofuran	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Dieldrin	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Diethylphthalate	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Dimethyl phthalate	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Di-n-butyl phthalate	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Di-n-octyl phthalate	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Endosulfan sulfate	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Endrin	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Fluoranthene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Fluorene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Heptachlor	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Heptachlor epoxide	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Hexachlorobenzene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Hexachlorobutadiene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Hexachlorocyclopentadiene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Hexachloroethane	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Indeno(1,2,3-cd)pyrene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Isophorone	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Lindane (gamma-BHC)	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Naphthalene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Nitrobenzene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	N-nitrosodi-n-propylamine	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	N-nitrosodiphenylamine	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Pentachlorophenol	1600	µg/kg	U*	1600	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Phenanthrene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Phenol	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
BB19004	BB19004	8270M	Pyrene	330	µg/kg	U*	330	Sediment	4/23/1992		Primary Sample	BB19	no		McLaren/Hart			269111.375	1786973.875	Multi-Media Report	McLaren/Hart	no	data not validated
	Outfall 004	160.2	Total Suspended Solids	10	mg/L	U*	10	Water	3/28/2006		Primary Sample										MWH	yes	
	Outfall 004	160.2	Total Suspended Solids	20	mg/L		10	Water	1/14/2006		Primary Sample										MWH	yes	
	Outfall 004	160.2	Total Suspended Solids	10	mg/L	U*	10	Water	3/4/2005		Primary Sample										MWH	yes	
	Outfall 004	160.2	Total Suspended Solids	64	mg/L		10	Water	11/9/2005		Primary Sample					T711WC17					MWH	yes	
	Outfall 004	160.2	Total Suspended Solids	10	mg/L	U*	10	Water	3/1/2006		Primary Sample										MWH	yes	
	Outfall 004	160.2	Total Suspended Solids	10	mg/L	U	10	Water	3/19/2005		Primary Sample					T711WC11					MWH	yes	
	Outfall 004	160.2	Total Suspended Solids	10	mg/L	U*	10	Water	3/11/2006		Primary Sample										MWH	yes	
	Outfall 004	160.2	Total Suspended Solids	16	mg/L		10	Water	4/4/2006		Primary Sample										MWH	yes	
	Outfall 004	160.2	Total Suspended Solids	13	mg/L		10	Water	1/1/2006		Primary Sample										MWH	yes	
	Outfall 004	160.2	Total Suspended Solids	10	mg/L	U	10	Water	2/18/2005		Primary Sample					T711WC91					MWH	yes	
	Outfall 004	160.2	Total Suspended Solids	10	mg/L	U	10	Water	5/22/2006		Primary Sample					B4WC88					MWH	yes	
	Outfall 004	160.2	Total Suspended Solids	25	mg/L		10	Water	4/14/2006		Primary Sample										MWH	yes	
	Outfall 004	160.2	Total Suspended Solids	43	mg/L		10	Water	2/18/2006		Primary Sample					B4WC26					MWH	yes	
	Outfall 004	160.2	Total Suspended Solids	75	mg/L		10	Water	10/18/2005		Primary Sample					T711WC17					MWH	yes	
	Outfall 004	160.2	Total Suspended Solids	10	mg/L	U*	10	Water	4/28/2005		Primary Sample										MWH	yes	
	Outfall 004	160.2	Total Suspended Solids	10	mg/L	U*	10	Water	3/21/2006		Primary Sample										MWH	yes	
	Outfall 004	160.2	Total Suspended Solids	10	mg/L	U*	10	Water	2/11/2005		Primary Sample										MWH	yes	
	Outfall 004	200.7	Aluminum	1700	µg/L		50	Water	2/18/2006		Primary Sample					B4MT38					MWH	yes	
	Outfall 004	200.7	Aluminum	350	µg/L		50	Water	2/18/2005		Primary Sample					T711MT55					MWH	yes	
	Outfall 004	200.7	Arsenic	11	µg/L		5	Water	2/18/2006		Primary Sample					B4MT38					MWH	yes	
	Outfall 004	200.7	Arsenic	5	µg/L	UJ	5	Water	2/18/2005		Primary Sample					T711MT55					MWH	yes	
	Outfall 004	200.7	Beryllium	2	µg/L	U	2	Water	2/18/2006		Primary Sample					B4MT38					MWH	yes	
	Outfall 004	200.7	Beryllium	2	µg/L	U	2	Water	2/18/2005		Primary Sample					T711MT55					MWH	yes	
	Outfall 004	200.7	Boron	0.05	mg/L	U	0.05	Water	2/18/2006		Primary Sample					B4MT38					MWH	yes	
	Outfall 004	200.7	Boron	0.05	mg/L	U*	0.05	Water	2/18/2005		Primary Sample										MWH	yes	
	Outfall 004	200.7	Chromium	3.4	µg/L	J	5	Water	2/18/2006		Primary Sample					B4MT38					MWH	yes	
	Outfall 004	200.7	Chromium	1.2	µg/L	J	5	Water	2/18/2005		Primary Sample					T711MT55					MWH	yes	
	Outfall 004	200.7	Nickel	4.1	µg/L	J	10	Water	2/18/2006		Primary Sample					B4MT38					MWH	yes	
	Outfall 004	200.7	Nickel	10	µg/L	U	10	Water	2/18/2005		Primary Sample					T711MT55					MWH	yes	
	Outfall 004	200.7	Selenium	10	µg/L	U	10	Water	2/18/2006		Primary Sample					B4MT38					MWH	yes	
	Outfall 004	200.7	Selenium	5	µg/L	UJ	5	Water	2/18/2005		Primary Sample					T711MT55					MWH	yes	
	Outfall 004	200.7	Silver	10	µg/L	UJ	10	Water	2/18/2005		Primary Sample					T711MT55					MWH	yes	
	Outfall 004	200.7	Silver	10	µg/L	UJ	10	Water	2/18/2006		Primary Sample					B4MT38					MWH	yes	
	Outfall 004	200.7	Vanadium	5.7	µg/L	J	10	Water	2/18/2006		Primary Sample					B4MT38					MWH	yes	
	Outfall 004	200.7	Vanadium	2.3	µg/L	J	10	Water	2/18/2005		Primary Sample					T711MT55					MWH	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
	Outfall 004	200.7	Zinc	20	µg/L	UJ	20	Water	2/18/2006		Primary Sample						B4MT38				MWH	yes	
	Outfall 004	200.7	Zinc	20	µg/L	UJ	20	Water	2/18/2005		Primary Sample						T711MT55				MWH	yes	
	Outfall 004	200.8	Antimony	2	µg/L	U*	2	Water	3/4/2005		Primary Sample										MWH	yes	
	Outfall 004	200.8	Antimony	2	µg/L	UJ	2	Water	3/19/2005		Primary Sample						T711MT70				MWH	yes	
	Outfall 004	200.8	Antimony	0.26	µg/L	J*	2	Water	1/28/2005		Primary Sample										MWH	yes	
	Outfall 004	200.8	Antimony	0.31	µg/L	J*	2	Water	1/3/2005		Primary Sample										MWH	yes	
	Outfall 004	200.8	Antimony	0.71	µg/L	J*	2	Water	12/5/2004		Primary Sample										MWH	yes	
	Outfall 004	200.8	Antimony	0.58	µg/L	J*	2	Water	3/11/2006		Primary Sample										MWH	yes	
	Outfall 004	200.8	Antimony	0.43	µg/L	J*	2	Water	3/28/2006		Primary Sample										MWH	yes	
	Outfall 004	200.8	Antimony	4	µg/L		2	Water	11/9/2005		Primary Sample						T711MT93				MWH	yes	
	Outfall 004	200.8	Antimony	1	µg/L	J	2	Water	3/1/2006		Primary Sample						B4MT42				MWH	yes	
	Outfall 004	200.8	Antimony	0.77	µg/L	J*	2	Water	12/27/2004		Primary Sample										MWH	yes	
	Outfall 004	200.8	Antimony	0.71	µg/L	J*	2	Water	10/27/2004		Primary Sample										MWH	yes	
	Outfall 004	200.8	Antimony	0.34	µg/L	J*	2	Water	4/4/2006		Primary Sample										MWH	yes	
	Outfall 004	200.8	Antimony	0.9	µg/L	J	2	Water	1/1/2006		Primary Sample						B4MT3				MWH	yes	
	Outfall 004	200.8	Antimony	0.82	µg/L	J*	2	Water	4/14/2006		Primary Sample										MWH	yes	
	Outfall 004	200.8	Antimony	1.2	µg/L	J*	2	Water	1/10/2005		Primary Sample										MWH	yes	
	Outfall 004	200.8	Antimony	0.99	µg/L	J	2	Water	10/18/2005		Primary Sample						T711MT94				MWH	yes	
	Outfall 004	200.8	Antimony	0.33	µg/L	J*	2	Water	2/11/2005		Primary Sample										MWH	yes	
	Outfall 004	200.8	Antimony	0.87	µg/L	J*	2	Water	10/17/2004		Primary Sample										MWH	yes	
	Outfall 004	200.8	Antimony	2	µg/L	UJ	2	Water	5/22/2006		Primary Sample						B4MT89				MWH	yes	
	Outfall 004	200.8	Antimony	0.42	µg/L	J*	2	Water	2/18/2005		Primary Sample										MWH	yes	
	Outfall 004	200.8	Antimony	0.57	µg/L	J*	2	Water	3/21/2006		Primary Sample										MWH	yes	
	Outfall 004	200.8	Antimony	1.1	µg/L	J	2	Water	2/18/2006		Primary Sample						B4MT38				MWH	yes	
	Outfall 004	200.8	Antimony	1.2	µg/L	J	2	Water	1/14/2006		Primary Sample						B4MT29				MWH	yes	
	Outfall 004	200.8	Antimony	2	µg/L	U*	2	Water	4/28/2005		Primary Sample										MWH	yes	
	Outfall 004	200.8	Cadmium	0.094	µg/L	J	1	Water	3/19/2005		Primary Sample						T711MT70				MWH	yes	
	Outfall 004	200.8	Cadmium	0.034	µg/L	J*	1	Water	2/18/2005		Primary Sample										MWH	yes	
	Outfall 004	200.8	Cadmium	0.08	µg/L	J	1	Water	1/14/2006		Primary Sample						B4MT29				MWH	yes	
	Outfall 004	200.8	Cadmium	0.21	µg/L	J	1	Water	11/9/2005		Primary Sample						T711MT93				MWH	yes	
	Outfall 004	200.8	Cadmium	0.04	µg/L	J*	1	Water	3/4/2005		Primary Sample										MWH	yes	
	Outfall 004	200.8	Cadmium	0.025	µg/L	J*	1	Water	3/21/2006		Primary Sample										MWH	yes	
	Outfall 004	200.8	Cadmium	0.026	µg/L	J*	1	Water	2/11/2005		Primary Sample										MWH	yes	
	Outfall 004	200.8	Cadmium	1	µg/L	U	1	Water	10/18/2005		Primary Sample						T711MT94				MWH	yes	
	Outfall 004	200.8	Cadmium	0.096	µg/L	J	1	Water	1/1/2006		Primary Sample						B4MT3				MWH	yes	
	Outfall 004	200.8	Cadmium	0.028	µg/L	J*	1	Water	4/28/2005		Primary Sample										MWH	yes	
	Outfall 004	200.8	Cadmium	1	µg/L	U*	1	Water	4/4/2006		Primary Sample										MWH	yes	
	Outfall 004	200.8	Cadmium	0.037	µg/L	J*	1	Water	1/10/2005		Primary Sample										MWH	yes	
	Outfall 004	200.8	Cadmium	0.28	µg/L	J*	1	Water	10/17/2004		Primary Sample										MWH	yes	
	Outfall 004	200.8	Cadmium	0.093	µg/L	J	1	Water	5/22/2006		Primary Sample						B4MT89				MWH	yes	
	Outfall 004	200.8	Cadmium	1	µg/L	UJ	1	Water	3/1/2006		Primary Sample						B4MT42				MWH	yes	
	Outfall 004	200.8	Cadmium	1	µg/L	U*	1	Water	3/28/2006		Primary Sample										MWH	yes	
	Outfall 004	200.8	Cadmium	0.1	µg/L	J	1	Water	2/18/2006		Primary Sample						B4MT38				MWH	yes	
	Outfall 004	200.8	Cadmium	0.23	µg/L	J*	1	Water	4/14/2006		Primary Sample										MWH	yes	
	Outfall 004	200.8	Cadmium	0.051	µg/L	J*	1	Water	12/27/2004		Primary Sample										MWH	yes	
	Outfall 004	200.8	Cadmium	0.018	µg/L	J*	1	Water	1/28/2005		Primary Sample										MWH	yes	
	Outfall 004	200.8	Cadmium	0.055	µg/L	J*	1	Water	1/3/2005		Primary Sample										MWH	yes	
	Outfall 004	200.8	Cadmium	0.04	µg/L	J*	1	Water	3/11/2006		Primary Sample										MWH	yes	
	Outfall 004	200.8	Cadmium	0.084	µg/L	J*	1	Water	10/27/2004		Primary Sample										MWH	yes	
	Outfall 004	200.8	Cadmium	0.022	µg/L	J*	1	Water	12/5/2004		Primary Sample										MWH	yes	
	Outfall 004	200.8	Copper	1.9	µg/L	J	2	Water	1/14/2006		Primary Sample						B4MT29				MWH	yes	
	Outfall 004	200.8	Copper	3.2	µg/L		2	Water	1/3/2005		Primary Sample										MWH	yes	
	Outfall 004	200.8	Copper	3.9	µg/L		2	Water	1/1/2006		Primary Sample						B4MT3				MWH	yes	
	Outfall 004	200.8	Copper	0.99	µg/L	J*	2	Water	3/21/2006		Primary Sample										MWH	yes	
	Outfall 004	200.8	Copper	2.7	µg/L		2	Water	3/4/2005		Primary Sample										MWH	yes	
	Outfall 004	200.8	Copper	4.4	µg/L		2	Water	5/22/2006		Primary Sample						B4MT89				MWH	yes	
	Outfall 004	200.8	Copper	0.95	µg/L	J*	2	Water	3/28/2006		Primary Sample										MWH	yes	
	Outfall 004	200.8	Copper	1.4	µg/L	J*	2	Water	2/11/2005		Primary Sample										MWH	yes	
	Outfall 004	200.8	Copper	3.8	µg/L		2	Water	2/18/2006		Primary Sample						B4MT38				MWH	yes	
	Outfall 004	200.8	Copper	4.5	µg/L		2	Water	10/27/2004		Primary Sample										MWH	yes	
	Outfall 004	200.8	Copper	1.7	µg/L	J*	2	Water	2/18/2005		Primary Sample										MWH	yes	
	Outfall 004	200.8	Copper	3.7	µg/L		2	Water	4/28/2005		Primary Sample										MWH	yes	
	Outfall 004	200.8	Copper	7	µg/L		2	Water	10/18/2005		Primary Sample						T711MT94				MWH	yes	
	Outfall 004	200.8	Copper	3.5	µg/L		2	Water	12/5/2004		Primary Sample										MWH	yes	
	Outfall 004	200.8	Copper	6.3	µg/L		2	Water	12/27/2004		Primary Sample										MWH	yes	
	Outfall 004	200.8	Copper	0.72	µg/L	J*	2	Water	3/11/2006		Primary Sample										MWH	yes	
	Outfall 004	200.8	Copper	15	µg/L		2	Water	10/17/2004		Primary Sample										MWH	yes	
	Outfall 004	200.8	Copper	2.1	µg/L		2	Water	1/10/2005		Primary Sample										MWH	yes	
	Outfall 004	200.8	Copper	7.7	µg/L		2	Water	3/19/2005		Primary Sample						T711MT70				MWH	yes	
	Outfall 004	200.8	Copper	2.3	µg/L		2	Water	1/28/2005		Primary Sample										MWH	yes	
	Outfall 004	200.8	Copper	6.3	µg/L		2	Water	4/14/2006		Primary Sample										MWH	yes	
	Outfall 004	200.8	Copper	5.3	µg/L		2	Water	3/1/2006		Primary Sample						B4MT42				MWH	yes	
	Outfall 004	200.8	Copper	11	µg/L		2	Water	11/9/2005		Primary Sample						T711MT93				MWH	yes	
	Outfall 004	200.8	Copper	4.4	µg/L		2	Water	4/4/2006		Primary Sample										MWH	yes	
	Outfall 004	200.8	Lead	2.8	µg/L		1	Water	10/18/2005		Primary Sample						T711MT94				MWH	yes	
	Outfall 004	200.8	Lead	0.81	µg/L	J	1	Water	1/1/2006		Primary Sample						B4MT3				MWH	yes	
	Outfall 004	200.8	Lead	0.52	µg/L	J	1	Water	5/22/2006		Primary Sample						B4MT89				MWH	yes	
	Outfall 004	200.8	Lead	0.53	µg/L	J	1	Water	10/27/2004		Primary Sample						T711MT6				MWH	yes	
	Outfall 004	200.8	Lead	0.99	µg/L	J*	1	Water	4/4/2006		Primary Sample										MWH	yes	
	Outfall 004	200.8	Lead	0.34	µg/L	J*	1	Water	3/11/2006		Primary Sample										MWH	yes	
	Outfall 004	200.8	Lead	0.5	µg/L	J	1	Water	12/5/2004		Primary Sample						T711MT12				MWH	yes	
	Outfall 004	200.8	Lead	1.3	µg/L		1	Water	4/14/2006		Primary Sample										MWH	yes	
	Outfall 004	200.8	Lead	1	µg/L		1	Water	3/1/2006		Primary Sample						B4MT42				MWH	yes	
	Outfall 004	200.8	Lead	0.68	µg/L	J	1	Water	4/28/2005		Primary Sample						T711MT89				MWH	yes	
	Outfall 004	200.8	Lead	0.34	µg/L	J*	1	Water	3/21/2006		Primary Sample										MWH	yes	
	Outfall 004	200.8	Lead	2.7	µg/L		1	Water	11/9/2005		Primary Sample						T711MT93				MWH	yes	
	Outfall 004	200.8	Lead	0.65	µg/L	J	1	Water	12/27/2004		Primary Sample						T711MT13				MWH	yes	
	Outfall 004	200.8	Lead	0.73	µg/L	J	1	Water	10/17/2004		Primary Sample						T711MT4.				MWH	yes	
	Outfall 004	200.8	Lead	1.5	µg/L		1	Water	2/18/2006		Primary Sample						B4MT38				MWH	yes	
	Outfall 004	200.8	Lead	0.69	µg/L	J	1	Water	1/14/2006		Primary Sample						B4MT29				MWH	yes	
	Outfall 004	200.8	Lead	0.5	µg/L	J	1	Water	1/3/2005		Primary Sample						T711MT22				MWH	yes	
	Outfall 004	200.8	Lead	0.27	µg/L	J*	1	Water	3/28/2006		Primary Sample										MWH	yes	
	Outfall 004	200.8	Lead	0.49	µg/L	J	1	Water	3/4/2005		Primary Sample						T711MT47				MWH	yes	
	Outfall 004	200.8	Lead	0.22	µg/L	J	1	Water	1/10/2005		Primary Sample						T711MT25				MWH	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
	Outfall 004	200.8	Lead	0.83	µg/L	J	1	Water	3/19/2005		Primary Sample						T711MT70				MWH	yes	
	Outfall 004	200.8	Lead	0.27	µg/L	J	1	Water	2/11/2005		Primary Sample						T711MT51				MWH	yes	
	Outfall 004	200.8	Lead	0.36	µg/L	J	1	Water	1/28/2005		Primary Sample						T711MT33				MWH	yes	
	Outfall 004	200.8	Lead	0.35	µg/L	J	1	Water	2/18/2005		Primary Sample						T711MT55				MWH	yes	
	Outfall 004	200.8	Thallium	0.21	µg/L	J*	1	Water	2/18/2005		Primary Sample										MWH	yes	
	Outfall 004	200.8	Thallium	1	µg/L	U*	1	Water	3/28/2006		Primary Sample										MWH	yes	
	Outfall 004	200.8	Thallium	0.2	µg/L	J*	1	Water	4/14/2006		Primary Sample										MWH	yes	
	Outfall 004	200.8	Thallium	1	µg/L	U	1	Water	5/22/2006		Primary Sample						B4MT89				MWH	yes	
	Outfall 004	200.8	Thallium	1	µg/L	U*	1	Water	4/4/2006		Primary Sample										MWH	yes	
	Outfall 004	200.8	Thallium	1	µg/L	U*	1	Water	3/21/2006		Primary Sample										MWH	yes	
	Outfall 004	200.8	Thallium	1	µg/L	U	1	Water	2/18/2006		Primary Sample						B4MT38				MWH	yes	
	Outfall 004	200.8	Thallium	1	µg/L	U*	1	Water	3/11/2006		Primary Sample										MWH	yes	
	Outfall 004	245.1	Mercury	0.19	µg/L	J*	0.2	Water	2/11/2005		Primary Sample										MWH	yes	
	Outfall 004	245.1	Mercury	0.083	µg/L	J*	0.2	Water	10/27/2004		Primary Sample										MWH	yes	
	Outfall 004	245.1	Mercury	0.22	µg/L		0.2	Water	10/18/2005		Primary Sample						T711MT94				MWH	yes	
	Outfall 004	245.1	Mercury	0.12	µg/L	J*	0.2	Water	1/28/2005		Primary Sample										MWH	yes	
	Outfall 004	245.1	Mercury	0.15	µg/L	J*	0.2	Water	10/17/2004		Primary Sample										MWH	yes	
	Outfall 004	245.1	Mercury	0.082	µg/L	J*	0.2	Water	4/14/2006		Primary Sample										MWH	yes	
	Outfall 004	245.1	Mercury	0.2	µg/L	U*	0.2	Water	2/18/2005		Primary Sample										MWH	yes	
	Outfall 004	245.1	Mercury	0.051	µg/L	J	0.2	Water	1/14/2006		Primary Sample						B4MT29				MWH	yes	
	Outfall 004	245.1	Mercury	0.2	µg/L	U*	0.2	Water	3/11/2006		Primary Sample										MWH	yes	
	Outfall 004	245.1	Mercury	0.058	µg/L	J	0.2	Water	5/22/2006		Primary Sample						B4MT89				MWH	yes	
	Outfall 004	245.1	Mercury	0.14	µg/L	J*	0.2	Water	1/10/2005		Primary Sample										MWH	yes	
	Outfall 004	245.1	Mercury	0.14	µg/L	J*	0.2	Water	4/4/2006		Primary Sample										MWH	yes	
	Outfall 004	245.1	Mercury	0.2	µg/L	U	0.2	Water	2/18/2006		Primary Sample						B4MT38				MWH	yes	
	Outfall 004	245.1	Mercury	0.12	µg/L	J*	0.2	Water	4/28/2005		Primary Sample										MWH	yes	
	Outfall 004	245.1	Mercury	0.23	µg/L		0.2	Water	1/3/2005		Primary Sample						T711MT22				MWH	yes	
	Outfall 004	245.1	Mercury	0.066	µg/L	J*	0.2	Water	3/4/2005		Primary Sample										MWH	yes	
	Outfall 004	245.1	Mercury	0.14	µg/L	J*	0.2	Water	12/5/2004		Primary Sample										MWH	yes	
	Outfall 004	245.1	Mercury	0.2	µg/L	U	0.2	Water	1/1/2006		Primary Sample						B4MT3				MWH	yes	
	Outfall 004	245.1	Mercury	0.2	µg/L	U*	0.2	Water	3/21/2006		Primary Sample										MWH	yes	
	Outfall 004	245.1	Mercury	0.2	µg/L	U	0.2	Water	3/19/2005		Primary Sample						T711MT70				MWH	yes	
	Outfall 004	245.1	Mercury	0.065	µg/L	J	0.2	Water	11/9/2005		Primary Sample						T711MT93				MWH	yes	
	Outfall 004	245.1	Mercury	0.2	µg/L	U*	0.2	Water	3/28/2006		Primary Sample										MWH	yes	
	Outfall 004	245.1	Mercury	0.2	µg/L	U*	0.2	Water	3/1/2006		Primary Sample										MWH	yes	
	Outfall 004	245.1	Mercury	0.18	µg/L	J*	0.2	Water	12/27/2004		Primary Sample										MWH	yes	
	Outfall 004	300.0	Chloride	2.5	mg/L		0.5	Water	12/5/2004		Primary Sample										MWH	yes	
	Outfall 004	300.0	Chloride	2.1	mg/L		0.5	Water	10/27/2004		Primary Sample										MWH	yes	
	Outfall 004	300.0	Chloride	1.1	mg/L		0.5	Water	2/11/2005		Primary Sample										MWH	yes	
	Outfall 004	300.0	Chloride	2.1	mg/L		0.5	Water	2/18/2005		Primary Sample										MWH	yes	
	Outfall 004	300.0	Chloride	5	mg/L		0.5	Water	1/3/2005		Primary Sample										MWH	yes	
	Outfall 004	300.0	Chloride	6.8	mg/L		0.5	Water	10/18/2005		Primary Sample						T711WC17				MWH	yes	
	Outfall 004	300.0	Chloride	1.7	mg/L		0.5	Water	1/28/2005		Primary Sample										MWH	yes	
	Outfall 004	300.0	Chloride	7.9	mg/L		0.5	Water	4/4/2006		Primary Sample										MWH	yes	
	Outfall 004	300.0	Chloride	39	mg/L		2.5	Water	2/18/2006		Primary Sample										MWH	yes	
	Outfall 004	300.0	Chloride	3.5	mg/L		0.5	Water	3/4/2005		Primary Sample										MWH	yes	
	Outfall 004	300.0	Chloride	15	mg/L		0.5	Water	3/11/2006		Primary Sample										MWH	yes	
	Outfall 004	300.0	Chloride	2	mg/L		0.5	Water	12/27/2004		Primary Sample										MWH	yes	
	Outfall 004	300.0	Chloride	7.4	mg/L		0.5	Water	3/19/2005		Primary Sample						T711WC11				MWH	yes	
	Outfall 004	300.0	Chloride	24	mg/L		0.5	Water	1/14/2006		Primary Sample										MWH	yes	
	Outfall 004	300.0	Chloride	14	mg/L		0.5	Water	11/9/2005		Primary Sample						T711WC17				MWH	yes	
	Outfall 004	300.0	Chloride	37	mg/L		1	Water	1/1/2006		Primary Sample										MWH	yes	
	Outfall 004	300.0	Chloride	3.6	mg/L		0.5	Water	1/10/2005		Primary Sample										MWH	yes	
	Outfall 004	300.0	Chloride	2.4	mg/L		0.5	Water	4/28/2005		Primary Sample										MWH	yes	
	Outfall 004	300.0	Chloride	22	mg/L		0.5	Water	3/1/2006		Primary Sample										MWH	yes	
	Outfall 004	300.0	Chloride	14	mg/L		0.5	Water	3/28/2006		Primary Sample										MWH	yes	
	Outfall 004	300.0	Chloride	8.2	mg/L		0.5	Water	10/17/2004		Primary Sample										MWH	yes	
	Outfall 004	300.0	Chloride	20	mg/L		0.5	Water	5/22/2006		Primary Sample						B4WC88				MWH	yes	
	Outfall 004	300.0	Chloride	51	mg/L		5	Water	4/14/2006		Primary Sample										MWH	yes	
	Outfall 004	300.0	Chloride	17	mg/L		0.5	Water	3/21/2006		Primary Sample										MWH	yes	
	Outfall 004	300.0	Nitrate/Nitrite-N	0.84	mg/L		0.11	Water	3/19/2005		Primary Sample						T711WC11				MWH	yes	
	Outfall 004	300.0	Nitrate/Nitrite-N	0.79	mg/L		0.15	Water	5/22/2006		Primary Sample						B4WC88				MWH	yes	
	Outfall 004	300.0	Nitrate/Nitrite-N	1.1	mg/L		0.11	Water	3/4/2005		Primary Sample										MWH	yes	
	Outfall 004	300.0	Nitrate/Nitrite-N	1.3	mg/L		0.26	Water	10/18/2005		Primary Sample						T711WC17				MWH	yes	
	Outfall 004	300.0	Nitrate/Nitrite-N	1	mg/L		0.26	Water	4/28/2005		Primary Sample										MWH	yes	
	Outfall 004	300.0	Nitrate/Nitrite-N	0.82	mg/L		0.15	Water	4/14/2006		Primary Sample										MWH	yes	
	Outfall 004	300.0	Nitrate/Nitrite-N	7.4	mg/L		0.52	Water	10/17/2004		Primary Sample										MWH	yes	
	Outfall 004	300.0	Nitrate/Nitrite-N	0.26	mg/L		0.11	Water	2/18/2005		Primary Sample										MWH	yes	
	Outfall 004	300.0	Nitrate/Nitrite-N	2.4	mg/L		0.26	Water	11/9/2005		Primary Sample						T711WC17				MWH	yes	
	Outfall 004	300.0	Nitrate/Nitrite-N	0.17	mg/L		0.15	Water	3/28/2006		Primary Sample										MWH	yes	
	Outfall 004	300.0	Nitrate/Nitrite-N	0.35	mg/L		0.26	Water	1/1/2006		Primary Sample										MWH	yes	
	Outfall 004	300.0	Nitrate/Nitrite-N	0.16	mg/L		0.15	Water	3/21/2006		Primary Sample										MWH	yes	
	Outfall 004	300.0	Nitrate/Nitrite-N	1.5	mg/L		0.26	Water	1/3/2005		Primary Sample										MWH	yes	
	Outfall 004	300.0	Nitrate/Nitrite-N	1.9	mg/L		0.26	Water	12/27/2004		Primary Sample										MWH	yes	
	Outfall 004	300.0	Nitrate/Nitrite-N	0.23	mg/L	J*	0.26	Water	2/11/2005		Primary Sample										MWH	yes	
	Outfall 004	300.0	Nitrate/Nitrite-N	0.59	mg/L		0.15	Water	2/18/2006		Primary Sample										MWH	yes	
	Outfall 004	300.0	Nitrate/Nitrite-N	0.19	mg/L		0.15	Water	4/4/2006		Primary Sample										MWH	yes	
	Outfall 004	300.0	Nitrate/Nitrite-N	1.3	mg/L		0.26	Water	1/10/2005		Primary Sample										MWH	yes	
	Outfall 004	300.0	Nitrate/Nitrite-N	0.48	mg/L		0.15	Water	3/1/2006		Primary Sample										MWH	yes	
	Outfall 004	300.0	Nitrate/Nitrite-N	0.24	mg/L		0.1	Water	1/14/2006		Primary Sample										MWH	yes	
	Outfall 004	300.0	Nitrate/Nitrite-N	1.8	mg/L		0.26	Water	12/5/2004		Primary Sample										MWH	yes	
	Outfall 004	300.0	Nitrate/Nitrite-N	0.21	mg/L		0.15	Water	3/11/2006		Primary Sample										MWH	yes	
	Outfall 004	300.0	Nitrate/Nitrite-N	0.94	mg/L		0.26	Water	1/28/2005		Primary Sample										MWH	yes	
	Outfall 004	300.0	Nitrate/Nitrite-N	1	mg/L		0.26	Water	10/27/2004		Primary Sample										MWH	yes	
	Outfall 004	300.0	Sulfate	8	mg/L		0.5	Water	1/3/2005		Primary Sample										MWH	yes	
	Outfall 004	300.0	Sulfate	4.7	mg/L		0.5	Water	2/18/2005		Primary Sample										MWH	yes	
	Outfall 004	300.0	Sulfate	6.3	mg/L		0.5	Water	2/18/2006		Primary Sample										MWH	yes	
	Outfall 004	300.0	Sulfate	11	mg/L		0.5	Water	3/19/2005		Primary Sample						T711WC11				MWH	yes	
	Outfall 004	300.0	Sulfate	4.4	mg/L		0.5	Water	4/28/2005		Primary Sample										MWH	yes	
	Outfall 004	300.0	Sulfate	1.9	mg/L		0.5	Water	4/4/2006		Primary Sample										MWH	yes	
	Outfall 004	300.0	Sulfate	2.7	mg/L		0.5	Water	12/27/2004		Primary Sample										MWH	yes	
	Outfall 004	300.0	Sulfate	2.8	mg/L		0.5	Water	1/1/2006		Primary Sample										MWH	yes	
	Outfall 004	300.0	Sulfate	4.6	mg/L		0.5	Water	3/4/2005		Primary Sample										MWH	yes	
	Outfall 004	300.0	Sulfate	2.3	mg/L		0.5	Water	1/14/2006		Primary Sample										MWH	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
	Outfall 004	300.0	Sulfate	1.5	mg/L		0.5	Water	1/28/2005		Primary Sample										MWH	yes	
	Outfall 004	300.0	Sulfate	2.7	mg/L		0.5	Water	3/28/2006		Primary Sample										MWH	yes	
	Outfall 004	300.0	Sulfate	3	mg/L		0.5	Water	2/11/2005		Primary Sample										MWH	yes	
	Outfall 004	300.0	Sulfate	3.7	mg/L		0.5	Water	12/5/2004		Primary Sample										MWH	yes	
	Outfall 004	300.0	Sulfate	11	mg/L		0.5	Water	10/17/2004		Primary Sample										MWH	yes	
	Outfall 004	300.0	Sulfate	22	mg/L		0.5	Water	4/14/2006		Primary Sample										MWH	yes	
	Outfall 004	300.0	Sulfate	8.1	mg/L		0.5	Water	1/10/2005		Primary Sample										MWH	yes	
	Outfall 004	300.0	Sulfate	7.3	mg/L		0.5	Water	5/22/2006		Primary Sample						B4WC88				MWH	yes	
	Outfall 004	300.0	Sulfate	6.7	mg/L		0.5	Water	3/1/2006		Primary Sample										MWH	yes	
	Outfall 004	300.0	Sulfate	3.1	mg/L		0.5	Water	3/21/2006		Primary Sample										MWH	yes	
	Outfall 004	300.0	Sulfate	2.9	mg/L		0.5	Water	3/11/2006		Primary Sample										MWH	yes	
	Outfall 004	300.0	Sulfate	8.9	mg/L		0.5	Water	10/27/2004		Primary Sample										MWH	yes	
	Outfall 004	300.0	Sulfate	5.5	mg/L		0.5	Water	10/18/2005		Primary Sample						T711WC17				MWH	yes	
	Outfall 004	300.0	Sulfate	11	mg/L		0.5	Water	11/9/2005		Primary Sample						T711WC17				MWH	yes	
	Outfall 004	314.0	Perchlorate	4	µg/L	U*	4	Water	2/18/2006		Primary Sample										MWH	yes	
	Outfall 004	314.0	Perchlorate	4	µg/L	U*	4	Water	2/18/2005		Primary Sample										MWH	yes	
	Outfall 004	314.0	Perchlorate	4	µg/L	U*	4	Water	10/17/2004		Primary Sample										MWH	yes	
	Outfall 004	335.2	Cyanide	5	µg/L	UJ	5	Water	2/18/2005		Primary Sample						T711WC91				MWH	yes	
	Outfall 004	335.2	Cyanide	5	µg/L	U	5	Water	2/18/2006		Primary Sample						B4WC26				MWH	yes	
	Outfall 004	413.1	Oil & Grease	4.8	mg/L	U*	4.8	Water	1/14/2006		Primary Sample										MWH	yes	
	Outfall 004	413.1	Oil & Grease	5	mg/L	U*	5	Water	1/3/2005		Primary Sample										MWH	yes	
	Outfall 004	413.1	Oil & Grease	1.3	mg/L	J	5	Water	3/19/2005		Primary Sample						T711WC11				MWH	yes	
	Outfall 004	413.1	Oil & Grease	5	mg/L	U*	5	Water	1/28/2005		Primary Sample										MWH	yes	
	Outfall 004	413.1	Oil & Grease	6.2	mg/L		5	Water	1/10/2005		Primary Sample										MWH	yes	
	Outfall 004	413.1	Oil & Grease	5	mg/L	U*	5	Water	2/11/2005		Primary Sample										MWH	yes	
	Outfall 004	413.1	Oil & Grease	4.7	mg/L	U*	4.7	Water	3/21/2006		Primary Sample										MWH	yes	
	Outfall 004	413.1	Oil & Grease	5	mg/L	U*	5	Water	2/18/2005		Primary Sample										MWH	yes	
	Outfall 004	413.1	Oil & Grease	4.8	mg/L	U*	4.8	Water	4/4/2006		Primary Sample										MWH	yes	
	Outfall 004	413.1	Oil & Grease	4.8	mg/L	U*	4.8	Water	3/28/2006		Primary Sample										MWH	yes	
	Outfall 004	413.1	Oil & Grease	5	mg/L	U*	5	Water	3/4/2005		Primary Sample										MWH	yes	
	Outfall 004	413.1	Oil & Grease	1.7	mg/L	J	4.9	Water	11/9/2005		Primary Sample						T711WC17				MWH	yes	
	Outfall 004	413.1	Oil & Grease	2.7	mg/L	J*	5	Water	10/17/2004		Primary Sample										MWH	yes	
	Outfall 004	413.1	Oil & Grease	1.8	mg/L	J*	5	Water	12/5/2004		Primary Sample										MWH	yes	
	Outfall 004	413.1	Oil & Grease	1.6	mg/L	J*	5	Water	12/27/2004		Primary Sample										MWH	yes	
	Outfall 004	413.1	Oil & Grease	3.1	mg/L	J*	4.8	Water	3/11/2006		Primary Sample										MWH	yes	
	Outfall 004	413.1	Oil & Grease	5	mg/L	U*	5	Water	4/28/2005		Primary Sample										MWH	yes	
	Outfall 004	413.1	Oil & Grease	5	mg/L	U*	5	Water	10/27/2004		Primary Sample										MWH	yes	
	Outfall 004	413.1	Oil & Grease	4.8	mg/L	U	4.8	Water	10/18/2005		Primary Sample						T711WC17				MWH	yes	
	Outfall 004	413.1	Oil & Grease	4.8	mg/L	U*	4.8	Water	2/18/2006		Primary Sample										MWH	yes	
	Outfall 004	413.1	Oil & Grease	4.8	mg/L	U*	4.8	Water	3/1/2006		Primary Sample										MWH	yes	
	Outfall 004	413.1	Oil & Grease	4.9	mg/L		4.8	Water	1/1/2006		Primary Sample										MWH	yes	
	Outfall 004	413.1	Oil & Grease	4.8	mg/L	U	4.8	Water	5/22/2006		Primary Sample						B4WC88				MWH	yes	
	Outfall 004	413.1	Oil & Grease	2.8	mg/L	J*	4.7	Water	4/14/2006		Primary Sample										MWH	yes	
	Outfall 004	608	4,4'-DDD	0.095	µg/L	U	0.095	Water	2/18/2006		Primary Sample						B4PP6				MWH	yes	
	Outfall 004	608	4,4'-DDD	0.1	µg/L	UJ	0.1	Water	2/18/2005		Primary Sample						T711PP19				MWH	yes	
	Outfall 004	608	4,4'-DDE	0.1	µg/L	UJ	0.1	Water	2/18/2005		Primary Sample						T711PP19				MWH	yes	
	Outfall 004	608	4,4'-DDE	0.095	µg/L	U	0.095	Water	2/18/2006		Primary Sample						B4PP6				MWH	yes	
	Outfall 004	608	4,4'-DDT	0.1	µg/L	U	0.1	Water	2/18/2005		Primary Sample						T711PP19				MWH	yes	
	Outfall 004	608	4,4'-DDT	0.095	µg/L	U	0.095	Water	2/18/2006		Primary Sample						B4PP6				MWH	yes	
	Outfall 004	608	a-Benzene Hexachloride	0.1	µg/L	UJ	0.1	Water	2/18/2005		Primary Sample						T711PP19				MWH	yes	
	Outfall 004	608	a-Benzene Hexachloride	0.095	µg/L	U	0.095	Water	2/18/2006		Primary Sample						B4PP6				MWH	yes	
	Outfall 004	608	Aldrin	0.1	µg/L	U	0.1	Water	2/18/2005		Primary Sample						T711PP19				MWH	yes	
	Outfall 004	608	Aldrin	0.095	µg/L	U	0.095	Water	2/18/2006		Primary Sample						B4PP6				MWH	yes	
	Outfall 004	608	Aroclor 1016	0.95	µg/L	UJ	0.95	Water	2/18/2006		Primary Sample						B4PP6				MWH	yes	
	Outfall 004	608	Aroclor 1016	1	µg/L	U	1	Water	2/18/2005		Primary Sample						T711PP19				MWH	yes	
	Outfall 004	608	Aroclor 1221	1	µg/L	U	1	Water	2/18/2005		Primary Sample						T711PP19				MWH	yes	
	Outfall 004	608	Aroclor 1221	0.95	µg/L	UJ	0.95	Water	2/18/2006		Primary Sample						B4PP6				MWH	yes	
	Outfall 004	608	Aroclor 1232	1	µg/L	U	1	Water	2/18/2005		Primary Sample						T711PP19				MWH	yes	
	Outfall 004	608	Aroclor 1232	0.95	µg/L	UJ	0.95	Water	2/18/2006		Primary Sample						B4PP6				MWH	yes	
	Outfall 004	608	Aroclor 1242	1	µg/L	U	1	Water	2/18/2005		Primary Sample						T711PP19				MWH	yes	
	Outfall 004	608	Aroclor 1242	0.95	µg/L	UJ	0.95	Water	2/18/2006		Primary Sample						B4PP6				MWH	yes	
	Outfall 004	608	Aroclor 1248	0.95	µg/L	UJ	0.95	Water	2/18/2006		Primary Sample						B4PP6				MWH	yes	
	Outfall 004	608	Aroclor 1248	1	µg/L	U	1	Water	2/18/2005		Primary Sample						T711PP19				MWH	yes	
	Outfall 004	608	Aroclor 1254	1	µg/L	U	1	Water	2/18/2005		Primary Sample						T711PP19				MWH	yes	
	Outfall 004	608	Aroclor 1254	0.95	µg/L	UJ	0.95	Water	2/18/2006		Primary Sample						B4PP6				MWH	yes	
	Outfall 004	608	Aroclor 1260	0.95	µg/L	UJ	0.95	Water	2/18/2006		Primary Sample						B4PP6				MWH	yes	
	Outfall 004	608	Aroclor 1260	1	µg/L	U	1	Water	2/18/2005		Primary Sample						T711PP19				MWH	yes	
	Outfall 004	608	b-Benzene Hexachloride	0.095	µg/L	U	0.095	Water	2/18/2006		Primary Sample						B4PP6				MWH	yes	
	Outfall 004	608	b-Benzene Hexachloride	0.1	µg/L	U	0.1	Water	2/18/2005		Primary Sample						T711PP19				MWH	yes	
	Outfall 004	608	Chlordane	0.95	µg/L	U	0.95	Water	2/18/2006		Primary Sample						B4PP6				MWH	yes	
	Outfall 004	608	Chlordane	1	µg/L	U	1	Water	2/18/2005		Primary Sample						T711PP19				MWH	yes	
	Outfall 004	608	d-Benzene Hexachloride	0.19	µg/L	U	0.19	Water	2/18/2006		Primary Sample						B4PP6				MWH	yes	
	Outfall 004	608	d-Benzene Hexachloride	0.2	µg/L	U	0.2	Water	2/18/2005		Primary Sample						T711PP19				MWH	yes	
	Outfall 004	608	Dieldrin	0.095	µg/L	U	0.095	Water	2/18/2006		Primary Sample						B4PP6				MWH	yes	
	Outfall 004	608	Dieldrin	0.1	µg/L	U	0.1	Water	2/18/2005		Primary Sample						T711PP19				MWH	yes	
	Outfall 004	608	Endosulfan I	0.095	µg/L	U	0.095	Water	2/18/2006		Primary Sample						B4PP6				MWH	yes	
	Outfall 004	608	Endosulfan I	0.1	µg/L	U	0.1	Water	2/18/2005		Primary Sample						T711PP19				MWH	yes	
	Outfall 004	608	Endosulfan II	0.095	µg/L	U	0.095	Water	2/18/2006		Primary Sample						B4PP6				MWH	yes	
	Outfall 004	608	Endosulfan II	0.1	µg/L	U	0.1	Water	2/18/2005		Primary Sample						T711PP19				MWH	yes	
	Outfall 004	608	Endosulfan sulfate	0.2	µg/L	U	0.2	Water	2/18/2005		Primary Sample						T711PP19				MWH	yes	
	Outfall 004	608	Endosulfan sulfate	0.19	µg/L	U	0.19	Water	2/18/2006		Primary Sample						B4PP6				MWH	yes	
	Outfall 004	608	Endrin	0.1	µg/L	UJ	0.1	Water	2/18/2005		Primary Sample						T711PP19				MWH	yes	
	Outfall 004	608	Endrin	0.095	µg/L	U	0.095	Water	2/18/2006		Primary Sample						B4PP6				MWH	yes	
	Outfall 004	608	Endrin aldehyde	0.1	µg/L	U	0.1	Water	2/18/2005		Primary Sample						T711PP19				MWH	yes	
	Outfall 004	608	Endrin aldehyde	0.095	µg/L	U	0.095	Water	2/18/2006		Primary Sample						B4PP6				MWH	yes	
	Outfall 004	608	Endrin ketone	0.095	µg/L	U	0.095	Water	2/18/2006		Primary Sample						B4PP6				MWH	yes	
	Outfall 004	608	Endrin ketone	0.1	µg/L	U	0.1	Water	2/18/2005		Primary Sample						T711PP19				MWH	yes	
	Outfall 004	608	Heptachlor	0.1	µg/L	UJ	0.1	Water	2/18/2005		Primary Sample						T711PP19				MWH	yes	
	Outfall 004	608	Heptachlor	0.095	µg/L	U	0.095	Water	2/18/2006		Primary Sample						B4PP6				MWH	yes	
	Outfall 004	608	Heptachlor epoxide	0.1	µg/L	U	0.1	Water	2/18/2005		Primary Sample						T711PP19				MWH	yes	
	Outfall 004	608	Heptachlor epoxide	0.095	µg/L	U	0.095	Water	2/18/2006		Primary Sample						B4PP6				MWH	yes	
	Outfall 004	608	Lindane (gamma-BHC)	0.095	µg/L	U	0.095	Water	2/18/2006		Primary Sample						B4PP6				MWH	yes	
	Outfall 004	608	Lindane (gamma-BHC)	0.1	µg/L	UJ	0.1	Water	2/18/2005		Primary Sample						T711PP19				MWH	yes	
	Outfall 004	608	Methoxychlor	0.1	µg/L	U	0.1	Water	2/18/2005		Primary Sample						T711PP19				MWH	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
	Outfall 004	608	Methoxychlor	0.095	µg/L	U	0.095	Water	2/18/2006		Primary Sample						B4PP6				MWH	yes	
	Outfall 004	608	Toxaphene	5	µg/L	U	5	Water	2/18/2005		Primary Sample						T711PP19				MWH	yes	
	Outfall 004	608	Toxaphene	4.8	µg/L	U	4.8	Water	2/18/2006		Primary Sample						B4PP6				MWH	yes	
	Outfall 004	624	1,1,1-Trichloroethane	0.76	µg/L	J	2	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	1,1,1-Trichloroethane	2	µg/L	U	2	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	1,1,2,2-Tetrachloroethane	2	µg/L	U	2	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	1,1,2,2-Tetrachloroethane	2	µg/L	U	2	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	1,1,2-Trichloroethane	2	µg/L	U	2	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	1,1,2-Trichloroethane	2	µg/L	U	2	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	1,1,2-Trichlorotrifluoroethane	5	µg/L	U	5	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	1,1-Dichloroethane	2	µg/L	U	2	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	1,1-Dichloroethane	2	µg/L	U	2	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	1,1-Dichloroethene	5	µg/L	U	5	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	1,1-Dichloroethene	5	µg/L	U	5	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	1,2-Dichlorobenzene	2	µg/L	U	2	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	1,2-Dichlorobenzene	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	1,2-Dichloroethane	0.5	µg/L	U	0.5	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	1,2-Dichloroethane	0.5	µg/L	U	0.5	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	1,2-Dichloropropane	2	µg/L	U	2	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	1,2-Dichloropropane	2	µg/L	U	2	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	1,3-Dichlorobenzene	2	µg/L	U	2	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	1,3-Dichlorobenzene	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	1,4-Dichlorobenzene	2	µg/L	U	2	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	1,4-Dichlorobenzene	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	1,4-Dichlorobenzene	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	1,4-Dichlorobenzene	2	µg/L	U	2	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	2-Chloroethyl vinyl ether	5	µg/L	UJ	5	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	2-Chloroethyl vinyl ether	5	µg/L	U	5	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	Acrylonitrile	50	µg/L	U	50	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	Acrylonitrile	50	µg/L	U	50	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	Benzene	1	µg/L	U	1	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	Benzene	1	µg/L	U	1	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	Bromodichloromethane	2	µg/L	U	2	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	Bromodichloromethane	2	µg/L	U	2	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	Bromoform	5	µg/L	U	5	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	Bromoform	5	µg/L	U	5	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	Bromomethane	5	µg/L	U	5	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	Bromomethane	5	µg/L	U	5	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	Carbon tetrachloride	0.5	µg/L	U	0.5	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	Carbon tetrachloride	0.5	µg/L	U	0.5	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	Chlorobenzene	2	µg/L	U	2	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	Chlorobenzene	2	µg/L	U	2	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	Chloroethane	5	µg/L	U	5	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	Chloroethane	5	µg/L	U	5	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	Chloroform	2	µg/L	U	2	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	Chloroform	2	µg/L	U	2	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	Chloromethane	5	µg/L	U	5	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	Chloromethane	5	µg/L	U	5	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	cis-1,3-Dichloropropene	2	µg/L	U	2	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	cis-1,3-Dichloropropene	2	µg/L	U	2	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	Dibromochloromethane	2	µg/L	U	2	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	Dibromochloromethane	2	µg/L	U	2	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	Ethylbenzene	2	µg/L	U	2	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	Ethylbenzene	2	µg/L	U	2	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	Methylene chloride	5	µg/L	U	5	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	Methylene chloride	5	µg/L	U	5	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	Tetrachloroethene	2	µg/L	U	2	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	Tetrachloroethene	2	µg/L	U	2	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	Toluene	2	µg/L	U	2	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	Toluene	2	µg/L	U	2	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	trans-1,2-Dichloroethene	2	µg/L	U	2	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	trans-1,2-Dichloroethene	2	µg/L	U	2	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	trans-1,3-Dichloropropene	2	µg/L	U	2	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	trans-1,3-Dichloropropene	2	µg/L	U	2	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	Trichloroethene	2	µg/L	U	2	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	Trichloroethene	0.66	µg/L	J	2	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	Trichlorofluoromethane	5	µg/L	U	5	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	Trichlorofluoromethane	5	µg/L	U	5	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	Vinyl chloride	0.5	µg/L	U	0.5	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	624	Vinyl chloride	0.5	µg/L	U	0.5	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	Xylenes (total)	4	µg/L	U	4	Water	2/18/2005		Primary Sample						T711VO64				MWH	yes	
	Outfall 004	624	Xylenes (total)	4	µg/L	U	4	Water	2/18/2006		Primary Sample						B4VO26				MWH	yes	
	Outfall 004	625	1,2,4-Trichlorobenzene	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	1,2,4-Trichlorobenzene	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	1,2-Dichlorobenzene	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	1,2-Dichlorobenzene	2	µg/L	U	2	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	1,2-Diphenylhydrazine	19	µg/L	U	19	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	1,2-Diphenylhydrazine	20	µg/L	U	20	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	1,3-Dichlorobenzene	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	1,3-Dichlorobenzene	2	µg/L	U	2	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	2,4,5-Trichlorophenol	19	µg/L	U	19	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	2,4,5-Trichlorophenol	20	µg/L	U	20	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	2,4,6-Trichlorophenol	19	µg/L	U	19	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	2,4,6-Trichlorophenol	20	µg/L	U	20	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	2,4-Dichlorophenol	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	2,4-Dichlorophenol	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	2,4-Dimethylphenol	20	µg/L	U	20	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	2,4-Dimethylphenol	19	µg/L	U	19	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	2,4-Dinitrophenol	19	µg/L	U	19	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	2,4-Dinitrophenol	20	µg/L	UJ	20	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	2,4-Dinitrotoluene	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	2,4-Dinitrotoluene	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	2,6-Dinitrotoluene	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	2,6-Dinitrotoluene	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
	Outfall 004	625	2-Chloronaphthalene	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	2-Chloronaphthalene	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	2-Chlorophenol	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	2-Chlorophenol	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	2-Methylnaphthalene	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	2-Methylnaphthalene	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	2-Methylphenol	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	2-Methylphenol	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	2-Nitroaniline	20	µg/L	U	20	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	2-Nitroaniline	19	µg/L	U	19	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	2-Nitrophenol	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	2-Nitrophenol	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	3,3'-Dichlorobenzidine	19	µg/L	U	19	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	3,3'-Dichlorobenzidine	20	µg/L	U	20	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	3-Nitroaniline	19	µg/L	U	19	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	3-Nitroaniline	20	µg/L	U	20	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	4,6-Dinitro-2-methylphenol	19	µg/L	U	19	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	4,6-Dinitro-2-methylphenol	20	µg/L	UJ	20	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	4-Bromophenyl phenyl ether	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	4-Bromophenyl phenyl ether	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	4-Chloro-3-methylphenol	19	µg/L	U	19	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	4-Chloro-3-methylphenol	20	µg/L	U	20	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	4-Chloroaniline	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	4-Chloroaniline	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	4-Chlorophenyl phenyl ether	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	4-Chlorophenyl phenyl ether	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	4-Methylphenol	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	4-Methylphenol	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	4-Nitroaniline	19	µg/L	U	19	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	4-Nitroaniline	20	µg/L	U	20	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	4-Nitrophenol	19	µg/L	U	19	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	4-Nitrophenol	20	µg/L	U	20	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Acenaphthene	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Acenaphthene	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Acenaphthylene	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Acenaphthylene	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Aniline	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Aniline	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Anthracene	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Anthracene	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Benzidine	20	µg/L	UJ	20	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Benzidine	19	µg/L	U	19	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Benzo(a)anthracene	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Benzo(a)anthracene	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Benzo(a)pyrene	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Benzo(a)pyrene	10	µg/L	UJ	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Benzo(b)fluoranthene	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Benzo(b)fluoranthene	10	µg/L	UJ	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Benzo(g,h,i)perylene	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Benzo(g,h,i)perylene	10	µg/L	UJ	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Benzo(k)fluoranthene	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Benzo(k)fluoranthene	10	µg/L	UJ	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Benzoic Acid	19	µg/L	UJ	19	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Benzoic Acid	20	µg/L	UJ	20	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Benzyl alcohol	19	µg/L	U	19	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Benzyl alcohol	20	µg/L	U	20	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	bis(2-Chloroethoxy)methane	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	bis(2-Chloroethoxy)methane	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	bis(2-Chloroethyl)ether	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	bis(2-Chloroethyl)ether	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	bis(2-Chloroisopropyl) ether	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	bis(2-Chloroisopropyl) ether	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	bis(2-Ethylhexyl)phthalate	48	µg/L	U	48	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	bis(2-Ethylhexyl)phthalate	50	µg/L	U	50	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Butylbenzylphthalate	20	µg/L	U	20	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Butylbenzylphthalate	19	µg/L	U	19	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Chrysene	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Chrysene	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Dibenzo(a,h)anthracene	20	µg/L	UJ	20	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Dibenzo(a,h)anthracene	19	µg/L	U	19	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Dibenzofuran	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Dibenzofuran	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Diethylphthalate	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Diethylphthalate	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Dimethyl phthalate	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Dimethyl phthalate	9.5	µg/L	UJ	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Di-n-butyl phthalate	20	µg/L	U	20	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Di-n-butyl phthalate	19	µg/L	U	19	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Di-n-octyl phthalate	20	µg/L	U	20	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Di-n-octyl phthalate	19	µg/L	U	19	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Fluoranthene	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Fluoranthene	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Fluorene	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Fluorene	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Hexachlorobenzene	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Hexachlorobenzene	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Hexachlorobutadiene	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Hexachlorobutadiene	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Hexachlorocyclopentadiene	20	µg/L	U	20	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Hexachlorocyclopentadiene	19	µg/L	U	19	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Hexachloroethane	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Hexachloroethane	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Indeno(1,2,3-cd)pyrene	19	µg/L	U	19	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Indeno(1,2,3-cd)pyrene	20	µg/L	UJ	20	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
	Outfall 004	625	Isophorone	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Isophorone	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Naphthalene	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Naphthalene	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Nitrobenzene	20	µg/L	U	20	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Nitrobenzene	19	µg/L	U	19	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	N-nitrosodimethylamine	19	µg/L	U	19	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	N-nitrosodimethylamine	20	µg/L	U	20	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	N-nitrosodi-n-propylamine	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	N-nitrosodi-n-propylamine	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	N-nitrosodiphenylamine	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	N-nitrosodiphenylamine	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Pentachlorophenol	19	µg/L	U	19	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Pentachlorophenol	20	µg/L	U	20	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Phenanthrene	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Phenanthrene	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Phenol	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Phenol	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	625	Pyrene	9.5	µg/L	U	9.5	Water	2/18/2006		Primary Sample						B4SV21				MWH	yes	
	Outfall 004	625	Pyrene	10	µg/L	U	10	Water	2/18/2005		Primary Sample						T711SV34				MWH	yes	
	Outfall 004	1613	1,2,3,4,6,7,8-HpCDD	0.0000121	µg/L	J	0.00005	Water	2/11/2005		Primary Sample						T711DF30				MWH	yes	
	Outfall 004	1613	1,2,3,4,6,7,8-HpCDD	0.0000148	µg/L	J	0.00005	Water	3/19/2005		Primary Sample						T711DF37				MWH	yes	
	Outfall 004	1613	1,2,3,4,6,7,8-HpCDD	0.0000265	µg/L		0.000025	Water	2/18/2006		Primary Sample						B4DF38				MWH	yes	
	Outfall 004	1613	1,2,3,4,6,7,8-HpCDD	0.0000257	µg/L	UJ	0.0000257	Water	1/14/2006		Primary Sample						B4DF26				MWH	yes	
	Outfall 004	1613	1,2,3,4,6,7,8-HpCDD	0.0000204	µg/L	J	0.000025	Water	3/11/2006		Primary Sample						B4DF35				MWH	yes	
	Outfall 004	1613	1,2,3,4,6,7,8-HpCDD	0.0000153	µg/L	J	0.000025	Water	3/28/2006		Primary Sample						B4DF60				MWH	yes	
	Outfall 004	1613	1,2,3,4,6,7,8-HpCDD	0.00000797	µg/L	J	0.000025	Water	1/1/2006		Primary Sample						B4DF3				MWH	yes	
	Outfall 004	1613	1,2,3,4,6,7,8-HpCDD	0.0000665	µg/L		0.000025	Water	4/14/2006		Primary Sample						B4DF93				MWH	yes	
	Outfall 004	1613	1,2,3,4,6,7,8-HpCDD	0.0000226	µg/L	J	0.00005	Water	2/18/2005		Primary Sample						T711DF29				MWH	yes	
	Outfall 004	1613	1,2,3,4,6,7,8-HpCDD	0.0000167	µg/L	J	0.000025	Water	5/22/2006		Primary Sample						B4DF104				MWH	yes	
	Outfall 004	1613	1,2,3,4,6,7,8-HpCDD	0.0000157	µg/L	J	0.00005	Water	3/4/2005		Primary Sample						T711DF36				MWH	yes	
	Outfall 004	1613	1,2,3,4,6,7,8-HpCDD	0.0000547	µg/L		0.000025	Water	3/1/2006		Primary Sample						B4DF42				MWH	yes	
	Outfall 004	1613	1,2,3,4,6,7,8-HpCDD	0.0000163	µg/L	UJ	0.0000163	Water	4/28/2005		Primary Sample						T711DF48				MWH	yes	
	Outfall 004	1613	1,2,3,4,6,7,8-HpCDD	0.0000724	µg/L		0.000025	Water	4/4/2006		Primary Sample						B4DF79				MWH	yes	
	Outfall 004	1613	1,2,3,4,6,7,8-HpCDD	0.0000218	µg/L	J	0.000025	Water	3/21/2006		Primary Sample						B4DF64				MWH	yes	
	Outfall 004	1613	1,2,3,4,6,7,8-HpCDF	0.00005	µg/L	U	0.00005	Water	2/11/2005		Primary Sample						T711DF30				MWH	yes	
	Outfall 004	1613	1,2,3,4,6,7,8-HpCDF	0.00000268	µg/L	J	0.000025	Water	3/11/2006		Primary Sample						B4DF35				MWH	yes	
	Outfall 004	1613	1,2,3,4,6,7,8-HpCDF	0.00000237	µg/L	J	0.000025	Water	3/28/2006		Primary Sample						B4DF60				MWH	yes	
	Outfall 004	1613	1,2,3,4,6,7,8-HpCDF	0.0000042	µg/L	J	0.00005	Water	2/18/2005		Primary Sample						T711DF29				MWH	yes	
	Outfall 004	1613	1,2,3,4,6,7,8-HpCDF	0.00000258	µg/L	J	0.00005	Water	4/28/2005		Primary Sample						T711DF48				MWH	yes	
	Outfall 004	1613	1,2,3,4,6,7,8-HpCDF	0.00000314	µg/L	J	0.000025	Water	2/18/2006		Primary Sample						B4DF38				MWH	yes	
	Outfall 004	1613	1,2,3,4,6,7,8-HpCDF	0.00000245	µg/L	UJ	0.00000245	Water	5/22/2006		Primary Sample						B4DF104				MWH	yes	
	Outfall 004	1613	1,2,3,4,6,7,8-HpCDF	0.00000956	µg/L	J	0.000025	Water	4/14/2006		Primary Sample						B4DF93				MWH	yes	
	Outfall 004	1613	1,2,3,4,6,7,8-HpCDF	0.000025	µg/L	U	0.000025	Water	1/1/2006		Primary Sample						B4DF3				MWH	yes	
	Outfall 004	1613	1,2,3,4,6,7,8-HpCDF	0.00000271	µg/L	J	0.000025	Water	3/21/2006		Primary Sample						B4DF64				MWH	yes	
	Outfall 004	1613	1,2,3,4,6,7,8-HpCDF	0.00000556	µg/L	J	0.000025	Water	3/1/2006		Primary Sample						B4DF42				MWH	yes	
	Outfall 004	1613	1,2,3,4,6,7,8-HpCDF	0.00000341	µg/L	J	0.000025	Water	1/14/2006		Primary Sample						B4DF26				MWH	yes	
	Outfall 004	1613	1,2,3,4,6,7,8-HpCDF	0.00000298	µg/L	J	0.00005	Water	3/4/2005		Primary Sample						T711DF36				MWH	yes	
	Outfall 004	1613	1,2,3,4,6,7,8-HpCDF	0.0000084	µg/L	J	0.000025	Water	4/4/2006		Primary Sample						B4DF79				MWH	yes	
	Outfall 004	1613	1,2,3,4,6,7,8-HpCDF	0.00000203	µg/L	J	0.00005	Water	3/19/2005		Primary Sample						T711DF37				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8,9-HpCDF	0.00005	µg/L	U	0.00005	Water	2/11/2005		Primary Sample						T711DF30				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8,9-HpCDF	0.00005	µg/L	U	0.00005	Water	2/18/2005		Primary Sample						T711DF29				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8,9-HpCDF	0.000025	µg/L	U	0.000025	Water	2/18/2006		Primary Sample						B4DF38				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8,9-HpCDF	0.000025	µg/L	U	0.000025	Water	3/11/2006		Primary Sample						B4DF35				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8,9-HpCDF	0.00005	µg/L	U	0.00005	Water	3/19/2005		Primary Sample						T711DF37				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8,9-HpCDF	0.000025	µg/L	U	0.000025	Water	3/1/2006		Primary Sample						B4DF42				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8,9-HpCDF	0.000025	µg/L	U	0.000025	Water	5/22/2006		Primary Sample						B4DF104				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8,9-HpCDF	0.000025	µg/L	U	0.000025	Water	1/1/2006		Primary Sample						B4DF3				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8,9-HpCDF	0.000025	µg/L	U	0.000025	Water	1/14/2006		Primary Sample						B4DF26				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8,9-HpCDF	0.000025	µg/L	U	0.000025	Water	4/14/2006		Primary Sample						B4DF93				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8,9-HpCDF	0.00005	µg/L	U	0.00005	Water	3/4/2005		Primary Sample						T711DF36				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8,9-HpCDF	0.000025	µg/L	U	0.000025	Water	3/21/2006		Primary Sample						B4DF64				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8,9-HpCDF	0.000025	µg/L	U	0.000025	Water	4/4/2006		Primary Sample						B4DF79				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8,9-HpCDF	0.000025	µg/L	U	0.000025	Water	3/28/2006		Primary Sample						B4DF60				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8,9-HpCDF	0.00005	µg/L	U	0.00005	Water	4/28/2005		Primary Sample						T711DF48				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8-HxCDD	0.00005	µg/L	U	0.00005	Water	2/11/2005		Primary Sample						T711DF30				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8-HxCDD	0.00005	µg/L	U	0.00005	Water	2/18/2005		Primary Sample						T711DF29				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8-HxCDD	0.000025	µg/L	U	0.000025	Water	3/11/2006		Primary Sample						B4DF35				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8-HxCDD	0.000025	µg/L	U	0.000025	Water	4/14/2006		Primary Sample						B4DF93				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8-HxCDD	0.000025	µg/L	U	0.000025	Water	1/14/2006		Primary Sample						B4DF26				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8-HxCDD	0.000025	µg/L	U	0.000025	Water	3/21/2006		Primary Sample						B4DF64				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8-HxCDD	0.000025	µg/L	U	0.000025	Water	3/1/2006		Primary Sample						B4DF42				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8-HxCDD	0.000025	µg/L	U	0.000025	Water	2/18/2006		Primary Sample						B4DF38				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8-HxCDD	0.00005	µg/L	U	0.00005	Water	4/28/2005		Primary Sample						T711DF48				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8-HxCDD	0.000025	µg/L	U	0.000025	Water	5/22/2006		Primary Sample						B4DF104				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8-HxCDD	0.00005	µg/L	U	0.00005	Water	3/19/2005		Primary Sample						T711DF37				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8-HxCDD	0.00005	µg/L	U	0.00005	Water	3/4/2005		Primary Sample						T711DF36				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8-HxCDD	0.000025	µg/L	U	0.000025	Water	1/1/2006		Primary Sample						B4DF3				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8-HxCDD	0.000025	µg/L	U	0.000025	Water	4/4/2006		Primary Sample						B4DF79				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8-HxCDD	0.000025	µg/L	U	0.000025	Water	3/28/2006		Primary Sample						B4DF60				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8-HxCDF	0.00005	µg/L	U	0.00005	Water	2/11/2005		Primary Sample						T711DF30				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8-HxCDF	0.000025	µg/L	U	0.000025	Water	3/11/2006		Primary Sample						B4DF35				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8-HxCDF	0.00005	µg/L	U	0.00005	Water	2/18/2005		Primary Sample						T711DF29				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8-HxCDF	0.000025	µg/L	U	0.000025	Water	3/28/2006		Primary Sample						B4DF60				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8-HxCDF	0.000025	µg/L	U	0.000025	Water	5/22/2006		Primary Sample						B4DF104				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8-HxCDF	0.000025	µg/L	U	0.000025	Water	1/1/2006		Primary Sample						B4DF3				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8-HxCDF	0.000025	µg/L	U	0.000025	Water	2/18/2006		Primary Sample						B4DF38				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8-HxCDF	0.000025	µg/L	U	0.000025	Water	3/1/2006		Primary Sample						B4DF42				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8-HxCDF	0.000025	µg/L	U	0.000025	Water	1/14/2006		Primary Sample						B4DF26				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8-HxCDF	0.000025	µg/L	U	0.000025	Water	4/4/2006		Primary Sample						B4DF79				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8-HxCDF	0.00005	µg/L	U	0.00005	Water	3/4/2005		Primary Sample						T711DF36				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8-HxCDF	0.00005	µg/L	U	0.00005	Water	4/28/2005		Primary Sample						T711DF48				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8-HxCDF	0.00005	µg/L	U	0.00005	Water	3/19/2005		Primary Sample						T711DF37				MWH	yes	
	Outfall 004	1613	1,2,3,4,7,8-HxCDF	0.000025	µg/L	U	0.000025	Water	3/21/2006		Primary Sample						B4DF64				MWH	yes	

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	Outfall 004	1613	1,2,3,4,7,8-HxCDF	0.000025	µg/L	U	0.000025	Water	4/14/2006		Primary Sample						B4DF93				MWH	yes	
	Outfall 004	1613	1,2,3,6,7,8-HxCDD	0.00005	µg/L	U	0.00005	Water	2/11/2005		Primary Sample						T711DF30				MWH	yes	
	Outfall 004	1613	1,2,3,6,7,8-HxCDD	0.000025	µg/L	U	0.000025	Water	1/1/2006		Primary Sample						B4DF3				MWH	yes	
	Outfall 004	1613	1,2,3,6,7,8-HxCDD	0.00005	µg/L	U	0.00005	Water	2/18/2005		Primary Sample						T711DF29				MWH	yes	
	Outfall 004	1613	1,2,3,6,7,8-HxCDD	0.000025	µg/L	U	0.000025	Water	5/22/2006		Primary Sample						B4DF104				MWH	yes	
	Outfall 004	1613	1,2,3,6,7,8-HxCDD	0.000025	µg/L	U	0.000025	Water	2/18/2006		Primary Sample						B4DF38				MWH	yes	
	Outfall 004	1613	1,2,3,6,7,8-HxCDD	0.00005	µg/L	U	0.00005	Water	3/4/2005		Primary Sample						T711DF36				MWH	yes	
	Outfall 004	1613	1,2,3,6,7,8-HxCDD	0.000025	µg/L	U	0.000025	Water	3/21/2006		Primary Sample						B4DF64				MWH	yes	
	Outfall 004	1613	1,2,3,6,7,8-HxCDD	0.000025	µg/L	U	0.000025	Water	3/11/2006		Primary Sample						B4DF35				MWH	yes	
	Outfall 004	1613	1,2,3,6,7,8-HxCDD	0.00005	µg/L	U	0.00005	Water	3/19/2005		Primary Sample						T711DF37				MWH	yes	
	Outfall 004	1613	1,2,3,6,7,8-HxCDD	0.00000298	µg/L	J	0.000025	Water	4/14/2006		Primary Sample						B4DF93				MWH	yes	
	Outfall 004	1613	1,2,3,6,7,8-HxCDD	0.000025	µg/L	U	0.000025	Water	3/28/2006		Primary Sample						B4DF60				MWH	yes	
	Outfall 004	1613	1,2,3,6,7,8-HxCDD	0.00000201	µg/L	J	0.000025	Water	4/4/2006		Primary Sample						B4DF79				MWH	yes	
	Outfall 004	1613	1,2,3,6,7,8-HxCDD	0.000025	µg/L	U	0.000025	Water	3/1/2006		Primary Sample						B4DF42				MWH	yes	
	Outfall 004	1613	1,2,3,6,7,8-HxCDD	0.00005	µg/L	U	0.00005	Water	4/28/2005		Primary Sample						T711DF48				MWH	yes	
	Outfall 004	1613	1,2,3,6,7,8-HxCDD	0.000025	µg/L	U	0.000025	Water	1/14/2006		Primary Sample						B4DF26				MWH	yes	
	Outfall 004	1613	1,2,3,6,7,8-HxCDF	0.00005	µg/L	U	0.00005	Water	2/11/2005		Primary Sample						T711DF30				MWH	yes	
	Outfall 004	1613	1,2,3,6,7,8-HxCDF	0.00005	µg/L	U	0.00005	Water	3/19/2005		Primary Sample						T711DF37				MWH	yes	
	Outfall 004	1613	1,2,3,6,7,8-HxCDF	0.00005	µg/L	U	0.00005	Water	3/4/2005		Primary Sample						T711DF36				MWH	yes	
	Outfall 004	1613	1,2,3,6,7,8-HxCDF	0.000025	µg/L	U	0.000025	Water	3/1/2006		Primary Sample						B4DF42				MWH	yes	
	Outfall 004	1613	1,2,3,6,7,8-HxCDF	0.000025	µg/L	U	0.000025	Water	2/18/2006		Primary Sample						B4DF38				MWH	yes	
	Outfall 004	1613	1,2,3,6,7,8-HxCDF	0.000025	µg/L	U	0.000025	Water	1/1/2006		Primary Sample						B4DF3				MWH	yes	
	Outfall 004	1613	1,2,3,6,7,8-HxCDF	0.000025	µg/L	U	0.000025	Water	1/14/2006		Primary Sample						B4DF26				MWH	yes	
	Outfall 004	1613	1,2,3,6,7,8-HxCDF	0.000025	µg/L	U	0.000025	Water	3/11/2006		Primary Sample						B4DF35				MWH	yes	
	Outfall 004	1613	1,2,3,6,7,8-HxCDF	0.00005	µg/L	U	0.00005	Water	4/28/2005		Primary Sample						T711DF48				MWH	yes	
	Outfall 004	1613	1,2,3,6,7,8-HxCDF	0.000025	µg/L	U	0.000025	Water	3/21/2006		Primary Sample						B4DF64				MWH	yes	
	Outfall 004	1613	1,2,3,6,7,8-HxCDF	0.000025	µg/L	U	0.000025	Water	4/4/2006		Primary Sample						B4DF79				MWH	yes	
	Outfall 004	1613	1,2,3,6,7,8-HxCDF	0.000025	µg/L	U	0.000025	Water	3/28/2006		Primary Sample						B4DF60				MWH	yes	
	Outfall 004	1613	1,2,3,6,7,8-HxCDF	0.00005	µg/L	U	0.00005	Water	2/18/2005		Primary Sample						T711DF29				MWH	yes	
	Outfall 004	1613	1,2,3,6,7,8-HxCDF	0.000025	µg/L	U	0.000025	Water	4/14/2006		Primary Sample						B4DF93				MWH	yes	
	Outfall 004	1613	1,2,3,6,7,8-HxCDF	0.000025	µg/L	U	0.000025	Water	5/22/2006		Primary Sample						B4DF104				MWH	yes	
	Outfall 004	1613	1,2,3,7,8,9-HxCDD	0.00005	µg/L	U	0.00005	Water	2/11/2005		Primary Sample						T711DF30				MWH	yes	
	Outfall 004	1613	1,2,3,7,8,9-HxCDD	0.000025	µg/L	U	0.000025	Water	3/1/2006		Primary Sample						B4DF42				MWH	yes	
	Outfall 004	1613	1,2,3,7,8,9-HxCDD	0.00005	µg/L	U	0.00005	Water	3/19/2005		Primary Sample						T711DF37				MWH	yes	
	Outfall 004	1613	1,2,3,7,8,9-HxCDD	0.000025	µg/L	U	0.000025	Water	3/21/2006		Primary Sample						B4DF64				MWH	yes	
	Outfall 004	1613	1,2,3,7,8,9-HxCDD	0.00005	µg/L	U	0.00005	Water	4/28/2005		Primary Sample						T711DF48				MWH	yes	
	Outfall 004	1613	1,2,3,7,8,9-HxCDD	0.000025	µg/L	U	0.000025	Water	3/28/2006		Primary Sample						B4DF60				MWH	yes	
	Outfall 004	1613	1,2,3,7,8,9-HxCDD	0.000025	µg/L	U	0.000025	Water	3/11/2006		Primary Sample						B4DF35				MWH	yes	
	Outfall 004	1613	1,2,3,7,8,9-HxCDD	0.000025	µg/L	U	0.000025	Water	5/22/2006		Primary Sample						B4DF104				MWH	yes	
	Outfall 004	1613	1,2,3,7,8,9-HxCDD	0.000025	µg/L	U	0.000025	Water	4/14/2006		Primary Sample						B4DF93				MWH	yes	
	Outfall 004	1613	1,2,3,7,8,9-HxCDD	0.000025	µg/L	U	0.000025	Water	2/18/2006		Primary Sample						B4DF38				MWH	yes	
	Outfall 004	1613	1,2,3,7,8,9-HxCDD	0.000025	µg/L	U	0.000025	Water	1/1/2006		Primary Sample						B4DF3				MWH	yes	
	Outfall 004	1613	1,2,3,7,8,9-HxCDD	0.00005	µg/L	U	0.00005	Water	2/18/2005		Primary Sample						T711DF29				MWH	yes	
	Outfall 004	1613	1,2,3,7,8,9-HxCDD	0.00005	µg/L	U	0.00005	Water	3/4/2005		Primary Sample						T711DF36				MWH	yes	
	Outfall 004	1613	1,2,3,7,8,9-HxCDD	0.000025	µg/L	U	0.000025	Water	4/4/2006		Primary Sample						B4DF79				MWH	yes	
	Outfall 004	1613	1,2,3,7,8,9-HxCDD	0.000025	µg/L	U	0.000025	Water	1/14/2006		Primary Sample						B4DF26				MWH	yes	
	Outfall 004	1613	1,2,3,7,8,9-HxCDF	0.00005	µg/L	U	0.00005	Water	2/11/2005		Primary Sample						T711DF30				MWH	yes	
	Outfall 004	1613	1,2,3,7,8,9-HxCDF	0.000025	µg/L	U	0.000025	Water	3/1/2006		Primary Sample						B4DF42				MWH	yes	
	Outfall 004	1613	1,2,3,7,8,9-HxCDF	0.00005	µg/L	U	0.00005	Water	3/19/2005		Primary Sample						T711DF37				MWH	yes	
	Outfall 004	1613	1,2,3,7,8,9-HxCDF	0.000025	µg/L	U	0.000025	Water	3/21/2006		Primary Sample						B4DF64				MWH	yes	
	Outfall 004	1613	1,2,3,7,8,9-HxCDF	0.00005	µg/L	U	0.00005	Water	4/28/2005		Primary Sample						T711DF48				MWH	yes	
	Outfall 004	1613	1,2,3,7,8,9-HxCDF	0.000025	µg/L	U	0.000025	Water	3/28/2006		Primary Sample						B4DF60				MWH	yes	
	Outfall 004	1613	1,2,3,7,8,9-HxCDF	0.000025	µg/L	U	0.000025	Water	3/11/2006		Primary Sample						B4DF35				MWH	yes	
	Outfall 004	1613	1,2,3,7,8,9-HxCDF	0.000025	µg/L	U	0.000025	Water	5/22/2006		Primary Sample						B4DF104				MWH	yes	
	Outfall 004	1613	1,2,3,7,8,9-HxCDF	0.000025	µg/L	U	0.000025	Water	4/14/2006		Primary Sample						B4DF93				MWH	yes	
	Outfall 004	1613	1,2,3,7,8,9-HxCDF	0.000025	µg/L	U	0.000025	Water	2/18/2006		Primary Sample						B4DF38				MWH	yes	
	Outfall 004	1613	1,2,3,7,8,9-HxCDF	0.000025	µg/L	U	0.000025	Water	1/1/2006		Primary Sample						B4DF3				MWH	yes	
	Outfall 004	1613	1,2,3,7,8,9-HxCDF	0.00005	µg/L	U	0.00005	Water	2/18/2005		Primary Sample						T711DF29				MWH	yes	
	Outfall 004	1613	1,2,3,7,8,9-HxCDF	0.00005	µg/L	U	0.00005	Water	3/4/2005		Primary Sample						T711DF36				MWH	yes	
	Outfall 004	1613	1,2,3,7,8,9-HxCDF	0.000025	µg/L	U	0.000025	Water	4/4/2006		Primary Sample						B4DF79				MWH	yes	
	Outfall 004	1613	1,2,3,7,8,9-HxCDF	0.000025	µg/L	U	0.000025	Water	1/14/2006		Primary Sample						B4DF26				MWH	yes	
	Outfall 004	1613	1,2,3,7,8-PeCDD	0.00005	µg/L	U	0.00005	Water	2/11/2005		Primary Sample						T711DF30				MWH	yes	
	Outfall 004	1613	1,2,3,7,8-PeCDD	0.000025	µg/L	U	0.000025	Water	2/18/2006		Primary Sample						B4DF38				MWH	yes	
	Outfall 004	1613	1,2,3,7,8-PeCDD	0.000025	µg/L	U	0.000025	Water	5/22/2006		Primary Sample						B4DF104				MWH	yes	
	Outfall 004	1613	1,2,3,7,8-PeCDD	0.00005	µg/L	U	0.00005	Water	3/4/2005		Primary Sample						T711DF36				MWH	yes	
	Outfall 004	1613	1,2,3,7,8-PeCDD	0.000025	µg/L	U	0.000025	Water	3/28/2006		Primary Sample						B4DF60				MWH	yes	
	Outfall 004	1613	1,2,3,7,8-PeCDD	0.00005	µg/L	U	0.00005	Water	4/28/2005		Primary Sample						T711DF48				MWH	yes	
	Outfall 004	1613	1,2,3,7,8-PeCDD	0.000025	µg/L	U	0.000025	Water	3/1/2006		Primary Sample						B4DF42				MWH	yes	
	Outfall 004	1613	1,2,3,7,8-PeCDD	0.000025	µg/L	U	0.000025	Water	1/1/2006		Primary Sample						B4DF3				MWH	yes	
	Outfall 004	1613	1,2,3,7,8-PeCDD	0.00005	µg/L	U	0.00005	Water	2/18/2005		Primary Sample						T711DF29				MWH	yes	
	Outfall 004	1613	1,2,3,7,8-PeCDD	0.00005	µg/L	U	0.00005	Water	3/19/2005		Primary Sample						T711DF37				MWH	yes	
	Outfall 004	1613	1,2,3,7,8-PeCDD	0.000025	µg/L	U	0.000025	Water	4/4/2006		Primary Sample						B4DF79				MWH	yes	
	Outfall 004	1613	1,2,3,7,8-PeCDD	0.000025	µg/L	U	0.000025	Water	4/14/2006		Primary Sample						B4DF93				MWH	yes	
	Outfall 004	1613	1,2,3,7,8-PeCDD	0.000025	µg/L	U	0.000025	Water	3/11/2006		Primary Sample						B4DF35				MWH	yes	
	Outfall 004	1613	1,2,3,7,8-PeCDD	0.000025	µg/L	U	0.000025	Water	1/14/2006		Primary Sample						B4DF26				MWH	yes	
	Outfall 004	1613	1,2,3,7,8-PeCDD	0.000025	µg/L	U	0.000025	Water	3/21/2006		Primary Sample						B4DF64				MWH	yes	
	Outfall 004	1613	1,2,3,7,8-PeCDF	0.00005	µg/L	U	0.00005	Water	2/11/2005		Primary Sample						T711DF30				MWH	yes	
	Outfall 004	1613	1,2,3,7,8-PeCDF	0.000025	µg/L	U	0.000025	Water	4/14/2006		Primary Sample						B4DF93				MWH	yes	
	Outfall 004	1613	1,2,3,7,8-PeCDF	0.000025	µg/L	U	0.000025	Water	3/21/2006		Primary Sample						B4DF64				MWH	yes	
	Outfall 004	1613	1,2,3,7,8-PeCDF	0.00005	µg/L	U	0.00005	Water	2/18/2005		Primary Sample						T711DF29				MWH	yes	
	Outfall 004	1613	1,2,3,7,8-PeCDF	0.000025	µg/L	U	0.000025	Water	3/11/2006		Primary Sample						B4DF35				MWH	yes	
	Outfall 004	1613	1,2,3,7,8-PeCDF	0.000025	µg/L	U	0.000025	Water	5/22/2006		Primary Sample						B4DF104				MWH	yes	
	Outfall 004	1613	1,2,3,7,8-PeCDF	0.000025	µg/L	U	0.000025	Water	1/14/2006		Primary Sample						B4DF26				MWH	yes	
	Outfall 004	1613	1,2,3,7,8-PeCDF	0.000025	µg/L	U	0.000025	Water	3/1/2006		Primary Sample						B4DF42				MWH	yes	
	Outfall 004	1613	1,2,3,7,8-PeCDF	0.00005	µg/L	U	0.00005	Water	3/19/2005		Primary Sample						T711DF37				MWH	yes	
	Outfall 004	1613	1,2,3,7,8-PeCDF	0.00005	µg/L	U	0.00005	Water	4/28/2005		Primary Sample						T711DF48				MWH	yes	
	Outfall 004	1613	1,2,3,7,8-PeCDF	0.000025	µg/L	U	0.000025	Water	2/18/2006		Primary Sample						B4DF38				MWH	yes	
	Outfall 004	1613	1,2,3,7,8-PeCDF	0.000025	µg/L	U	0.000025	Water	1/1/2006		Primary Sample						B4DF3				MWH	yes	
	Outfall 004	1613	1,2,3,7,8-PeCDF	0.000025	µg/L	U	0.000025	Water	3/28/2006		Primary Sample						B4DF60				MWH	yes	
	Outfall 004	1613	1,2,3,7,8-PeCDF	0.00005	µg/L	U	0.00005	Water	3/4/2005		Primary Sample						T711DF36				MWH	yes	
	Outfall 004	1613	1,2,3,7,8-PeCDF	0.000025	µg/L	U	0.000025	Water	4/4/2006		Primary Sample						B4DF79				MWH	yes	
	Outfall 004	1613	2,3,4,6,7,8-HxCDF	0.00005	µg/L	U	0.00005	Water	2/11/2005		Primary Sample						T711DF30				MWH	yes	
	Outfall 004	1613	2,3,4,6,7,8-HxCDF	0.00005	µg/L	U	0.00005	Water	3/19/2005		Primary Sample						T711DF37				MWH	yes	
	Outfall 004	1613	2,3,4,6,7,8-HxCDF	0.000025	µg/L	U	0.000025	Water	2/18/2006		Primary Sample						B4DF38				MWH	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
	Outfall 004	1613	2,3,4,6,7,8-HxCDF	0.000025	µg/L	U	0.000025	Water	5/22/2006		Primary Sample						B4DF104				MWH	yes	
	Outfall 004	1613	2,3,4,6,7,8-HxCDF	0.00005	µg/L	U	0.00005	Water	4/28/2005		Primary Sample						T711DF48				MWH	yes	
	Outfall 004	1613	2,3,4,6,7,8-HxCDF	0.00005	µg/L	U	0.00005	Water	3/4/2005		Primary Sample						T711DF36				MWH	yes	
	Outfall 004	1613	2,3,4,6,7,8-HxCDF	0.00005	µg/L	U	0.00005	Water	2/18/2005		Primary Sample						T711DF29				MWH	yes	
	Outfall 004	1613	2,3,4,6,7,8-HxCDF	0.000025	µg/L	U	0.000025	Water	3/28/2006		Primary Sample						B4DF60				MWH	yes	
	Outfall 004	1613	2,3,4,6,7,8-HxCDF	0.000025	µg/L	U	0.000025	Water	3/21/2006		Primary Sample						B4DF64				MWH	yes	
	Outfall 004	1613	2,3,4,6,7,8-HxCDF	0.000025	µg/L	U	0.000025	Water	1/14/2006		Primary Sample						B4DF26				MWH	yes	
	Outfall 004	1613	2,3,4,6,7,8-HxCDF	0.000025	µg/L	U	0.000025	Water	3/11/2006		Primary Sample						B4DF35				MWH	yes	
	Outfall 004	1613	2,3,4,6,7,8-HxCDF	0.000025	µg/L	U	0.000025	Water	4/4/2006		Primary Sample						B4DF79				MWH	yes	
	Outfall 004	1613	2,3,4,6,7,8-HxCDF	0.000025	µg/L	U	0.000025	Water	4/14/2006		Primary Sample						B4DF93				MWH	yes	
	Outfall 004	1613	2,3,4,6,7,8-HxCDF	0.000025	µg/L	U	0.000025	Water	1/1/2006		Primary Sample						B4DF3				MWH	yes	
	Outfall 004	1613	2,3,4,6,7,8-HxCDF	0.000025	µg/L	U	0.000025	Water	3/1/2006		Primary Sample						B4DF42				MWH	yes	
	Outfall 004	1613	2,3,4,7,8-PeCDF	0.00005	µg/L	U	0.00005	Water	2/11/2005		Primary Sample						T711DF30				MWH	yes	
	Outfall 004	1613	2,3,4,7,8-PeCDF	0.00005	µg/L	U	0.00005	Water	4/28/2005		Primary Sample						T711DF48				MWH	yes	
	Outfall 004	1613	2,3,4,7,8-PeCDF	0.000025	µg/L	U	0.000025	Water	5/22/2006		Primary Sample						B4DF104				MWH	yes	
	Outfall 004	1613	2,3,4,7,8-PeCDF	0.000025	µg/L	U	0.000025	Water	4/14/2006		Primary Sample						B4DF93				MWH	yes	
	Outfall 004	1613	2,3,4,7,8-PeCDF	0.000025	µg/L	U	0.000025	Water	3/28/2006		Primary Sample						B4DF60				MWH	yes	
	Outfall 004	1613	2,3,4,7,8-PeCDF	0.000025	µg/L	U	0.000025	Water	1/14/2006		Primary Sample						B4DF26				MWH	yes	
	Outfall 004	1613	2,3,4,7,8-PeCDF	0.00005	µg/L	U	0.00005	Water	2/18/2005		Primary Sample						T711DF29				MWH	yes	
	Outfall 004	1613	2,3,4,7,8-PeCDF	0.00005	µg/L	U	0.00005	Water	3/4/2005		Primary Sample						T711DF36				MWH	yes	
	Outfall 004	1613	2,3,4,7,8-PeCDF	0.000025	µg/L	U	0.000025	Water	4/4/2006		Primary Sample						B4DF79				MWH	yes	
	Outfall 004	1613	2,3,4,7,8-PeCDF	0.000025	µg/L	U	0.000025	Water	3/1/2006		Primary Sample						B4DF42				MWH	yes	
	Outfall 004	1613	2,3,4,7,8-PeCDF	0.000025	µg/L	U	0.000025	Water	1/1/2006		Primary Sample						B4DF3				MWH	yes	
	Outfall 004	1613	2,3,4,7,8-PeCDF	0.000025	µg/L	U	0.000025	Water	2/18/2006		Primary Sample						B4DF38				MWH	yes	
	Outfall 004	1613	2,3,4,7,8-PeCDF	0.000025	µg/L	U	0.000025	Water	3/21/2006		Primary Sample						B4DF64				MWH	yes	
	Outfall 004	1613	2,3,4,7,8-PeCDF	0.00005	µg/L	U	0.00005	Water	3/19/2005		Primary Sample						T711DF37				MWH	yes	
	Outfall 004	1613	2,3,4,7,8-PeCDF	0.000025	µg/L	U	0.000025	Water	3/11/2006		Primary Sample						B4DF35				MWH	yes	
	Outfall 004	1613	2,3,7,8-TCDD	0.00001	µg/L	U	0.00001	Water	2/11/2005		Primary Sample						T711DF30				MWH	yes	
	Outfall 004	1613	2,3,7,8-TCDD	0.000005	µg/L	U	0.000005	Water	1/14/2006		Primary Sample						B4DF26				MWH	yes	
	Outfall 004	1613	2,3,7,8-TCDD	0.000005	µg/L	U	0.000005	Water	4/4/2006		Primary Sample						B4DF79				MWH	yes	
	Outfall 004	1613	2,3,7,8-TCDD	0.000005	µg/L	U	0.000005	Water	1/1/2006		Primary Sample						B4DF3				MWH	yes	
	Outfall 004	1613	2,3,7,8-TCDD	0.000005	µg/L	U	0.000005	Water	3/28/2006		Primary Sample						B4DF60				MWH	yes	
	Outfall 004	1613	2,3,7,8-TCDD	0.000005	µg/L	U	0.000005	Water	3/11/2006		Primary Sample						B4DF35				MWH	yes	
	Outfall 004	1613	2,3,7,8-TCDD	0.000005	µg/L	U	0.000005	Water	4/14/2006		Primary Sample						B4DF93				MWH	yes	
	Outfall 004	1613	2,3,7,8-TCDD	0.00001	µg/L	U	0.00001	Water	3/4/2005		Primary Sample						T711DF36				MWH	yes	
	Outfall 004	1613	2,3,7,8-TCDD	0.00001	µg/L	U	0.00001	Water	3/19/2005		Primary Sample						T711DF37				MWH	yes	
	Outfall 004	1613	2,3,7,8-TCDD	0.000005	µg/L	U	0.000005	Water	3/1/2006		Primary Sample						B4DF42				MWH	yes	
	Outfall 004	1613	2,3,7,8-TCDD	0.00001	µg/L	U	0.00001	Water	4/28/2005		Primary Sample						T711DF48				MWH	yes	
	Outfall 004	1613	2,3,7,8-TCDD	0.000005	µg/L	U	0.000005	Water	5/22/2006		Primary Sample						B4DF104				MWH	yes	
	Outfall 004	1613	2,3,7,8-TCDD	0.000005	µg/L	U	0.000005	Water	2/18/2006		Primary Sample						B4DF38				MWH	yes	
	Outfall 004	1613	2,3,7,8-TCDD	0.000005	µg/L	U	0.000005	Water	3/21/2006		Primary Sample						B4DF64				MWH	yes	
	Outfall 004	1613	2,3,7,8-TCDF	0.00001	µg/L	U	0.00001	Water	2/18/2005		Primary Sample						T711DF29				MWH	yes	
	Outfall 004	1613	2,3,7,8-TCDF	0.00001	µg/L	U	0.00001	Water	2/11/2005		Primary Sample						T711DF30				MWH	yes	
	Outfall 004	1613	2,3,7,8-TCDF	0.000005	µg/L	U	0.000005	Water	3/11/2006		Primary Sample						B4DF35				MWH	yes	
	Outfall 004	1613	2,3,7,8-TCDF	0.00001	µg/L	U	0.00001	Water	3/19/2005		Primary Sample						T711DF37				MWH	yes	
	Outfall 004	1613	2,3,7,8-TCDF	0.000005	µg/L	U	0.000005	Water	5/22/2006		Primary Sample						B4DF104				MWH	yes	
	Outfall 004	1613	2,3,7,8-TCDF	0.000005	µg/L	U	0.000005	Water	4/4/2006		Primary Sample						B4DF79				MWH	yes	
	Outfall 004	1613	2,3,7,8-TCDF	0.00001	µg/L	U	0.00001	Water	4/28/2005		Primary Sample						T711DF48				MWH	yes	
	Outfall 004	1613	2,3,7,8-TCDF	0.000005	µg/L	U	0.000005	Water	1/14/2006		Primary Sample						B4DF26				MWH	yes	
	Outfall 004	1613	2,3,7,8-TCDF	0.000005	µg/L	U	0.000005	Water	1/1/2006		Primary Sample						B4DF3				MWH	yes	
	Outfall 004	1613	2,3,7,8-TCDF	0.000005	µg/L	U	0.000005	Water	3/21/2006		Primary Sample						B4DF64				MWH	yes	
	Outfall 004	1613	2,3,7,8-TCDF	0.000005	µg/L	U	0.000005	Water	3/1/2006		Primary Sample						B4DF42				MWH	yes	
	Outfall 004	1613	2,3,7,8-TCDF	0.00001	µg/L	U	0.00001	Water	3/4/2005		Primary Sample						T711DF36				MWH	yes	
	Outfall 004	1613	2,3,7,8-TCDF	0.000005	µg/L	U	0.000005	Water	2/18/2006		Primary Sample						B4DF38				MWH	yes	
	Outfall 004	1613	2,3,7,8-TCDF	0.000005	µg/L	U	0.000005	Water	3/28/2006		Primary Sample						B4DF60				MWH	yes	
	Outfall 004	1613	2,3,7,8-TCDF	0.00001	µg/L	U	0.00001	Water	2/18/2005		Primary Sample						T711DF29				MWH	yes	
	Outfall 004	1613	2,3,7,8-TCDF	0.000005	µg/L	U	0.000005	Water	4/14/2006		Primary Sample						B4DF93				MWH	yes	
	Outfall 004	1613	OCDD	0.000163	µg/L		0.0001	Water	2/11/2005		Primary Sample						T711DF30				MWH	yes	
	Outfall 004	1613	OCDD	0.000322	µg/L		0.00005	Water	3/11/2006		Primary Sample						B4DF35				MWH	yes	
	Outfall 004	1613	OCDD	0.000177	µg/L		0.0001	Water	3/19/2005		Primary Sample						T711DF37				MWH	yes	
	Outfall 004	1613	OCDD	0.000227	µg/L		0.00005	Water	5/22/2006		Primary Sample						B4DF104				MWH	yes	
	Outfall 004	1613	OCDD	0.000317	µg/L		0.00005	Water	1/14/2006		Primary Sample						B4DF26				MWH	yes	
	Outfall 004	1613	OCDD	0.00113	µg/L		0.00005	Water	4/4/2006		Primary Sample						B4DF79				MWH	yes	
	Outfall 004	1613	OCDD	0.000706	µg/L		0.00005	Water	3/1/2006		Primary Sample						B4DF42				MWH	yes	
	Outfall 004	1613	OCDD	0.000334	µg/L		0.00005	Water	2/18/2006		Primary Sample						B4DF38				MWH	yes	
	Outfall 004	1613	OCDD	0.000234	µg/L		0.0001	Water	4/28/2005		Primary Sample						T711DF48				MWH	yes	
	Outfall 004	1613	OCDD	0.000216	µg/L		0.0001	Water	3/4/2005		Primary Sample						T711DF36				MWH	yes	
	Outfall 004	1613	OCDD	0.000306	µg/L		0.00005	Water	3/21/2006		Primary Sample						B4DF64				MWH	yes	
	Outfall 004	1613	OCDD	0.000262	µg/L		0.0001	Water	2/18/2005		Primary Sample						T711DF29				MWH	yes	
	Outfall 004	1613	OCDD	0.000997	µg/L		0.00005	Water	4/14/2006		Primary Sample						B4DF93				MWH	yes	
	Outfall 004	1613	OCDD	0.00024	µg/L		0.00005	Water	3/28/2006		Primary Sample						B4DF60				MWH	yes	
	Outfall 004	1613	OCDD	0.0000679	µg/L		0.00005	Water	1/1/2006		Primary Sample						B4DF3				MWH	yes	
	Outfall 004	1613	OCDF	0.0001	µg/L	U	0.0001	Water	2/11/2005		Primary Sample						T711DF30				MWH	yes	
	Outfall 004	1613	OCDF	0.0000156	µg/L	J	0.00005	Water	3/1/2006		Primary Sample						B4DF42				MWH	yes	
	Outfall 004	1613	OCDF	0.0000182	µg/L	J	0.00005	Water	1/1/2006		Primary Sample						B4DF3				MWH	yes	
	Outfall 004	1613	OCDF	0.00000806	µg/L	UJ	0.00000806	Water	2/18/2005		Primary Sample						T711DF29				MWH	yes	
	Outfall 004	1613	OCDF	0.00000463	µg/L	J	0.0001	Water	3/19/2005		Primary Sample						T711DF37				MWH	yes	
	Outfall 004	1613	OCDF	0.00000609	µg/L	J	0.0001	Water	3/4/2005		Primary Sample						T711DF36				MWH	yes	
	Outfall 004	1613	OCDF	0.00000459	µg/L	UJ	0.00000459	Water	5/22/2006		Primary Sample						B4DF104				MWH	yes	
	Outfall 004	1613	OCDF	0.00000847	µg/L	J	0.00005	Water	3/11/2006		Primary Sample						B4DF35				MWH	yes	
	Outfall 004	1613	OCDF	0.00000977	µg/L	J	0.00005	Water	2/18/2006		Primary Sample						B4DF38				MWH	yes	
	Outfall 004	1613	OCDF	0.0000103	µg/L	J	0.00005	Water	1/14/2006		Primary Sample						B4DF26				MWH	yes	
	Outfall 004	1613	OCDF	0.0000056	µg/L	J	0.00005	Water	3/28/2006		Primary Sample						B4DF60				MWH	yes	
	Outfall 004	1613	OCDF	0.00000856	µg/L	J	0.00005	Water	3/21/2006		Primary Sample						B4DF64				MWH	yes	
	Outfall 004	1613	OCDF	0.0000297	µg/L	J	0.00005	Water	4/14/2006		Primary Sample						B4DF93				MWH	yes	
	Outfall 004	1613	OCDF	0.0001	µg/L	U	0.0001	Water	4/28/2005		Primary Sample						T711DF48				MWH	yes	
	Outfall 004	1613	OCDF	0.0000303	µg/L	J	0.00005	Water	4/4/2006		Primary Sample						B4DF79				MWH	yes	
	Outfall 004	1613	TCDD TEQ (ND = 0)	1.373E-07	µg/L			Water	2/11/2005		Primary Sample										MWH	yes	
	Outfall 004	1613	TCDD TEQ (ND = 0)	2.942E-07	µg/L			Water	2/18/2005		Primary Sample										MWH	yes	
	Outfall 004	1613	TCDD TEQ (ND = 0)	1.897E-07	µg/L			Water	5/22/2006		Primary Sample						B4DF104				MWH	yes	
	Outfall 004	1613	TCDD TEQ (ND = 0)	1.16127E-06	µg/L			Water	4/14/2006		Primary Sample						B4DF93				MWH	yes	
	Outfall 004	1613	TCDD TEQ (ND = 0)	3.30777E-07	µg/L			Water	2/18/2006		Primary Sample						B4DF38				MWH	yes	
	Outfall 004	1613	TCDD TEQ (ND = 0)	8.83E-08	µg/L			Water	1/1/2006		Primary Sample						B4DF3				MWH	yes	
	Outfall 004	1613	TCDD TEQ (ND = 0)	2.09009E-07	µg/L			Water	3/4/2005		Primary Sample										MWH	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
	Outfall 004	1613	TCDD TEQ (ND = 0)	0.000000201	µg/L			Water	3/28/2006		Primary Sample						B4DF60				MWH	yes	
	Outfall 004	1613	TCDD TEQ (ND = 0)	1.12503E-06	µg/L			Water	4/4/2006		Primary Sample						B4DF79				MWH	yes	
	Outfall 004	1613	TCDD TEQ (ND = 0)	0.000000277	µg/L			Water	3/21/2006		Primary Sample						B4DF64				MWH	yes	
	Outfall 004	1613	TCDD TEQ (ND = 0)	4.92E-08	µg/L			Water	4/28/2005		Primary Sample										MWH	yes	
	Outfall 004	1613	TCDD TEQ (ND = 0)	6.683E-08	µg/L			Water	1/14/2006		Primary Sample						B4DF26				MWH	yes	
	Outfall 004	1613	TCDD TEQ (ND = 0)	2.63847E-07	µg/L			Water	3/11/2006		Primary Sample						B4DF35				MWH	yes	
	Outfall 004	1613	TCDD TEQ (ND = 0)	0.000000675	µg/L			Water	3/1/2006		Primary Sample						B4DF42				MWH	yes	
	Outfall 004	1613	TCDD TEQ (ND = 0)	1.86463E-07	µg/L			Water	3/19/2005		Primary Sample										MWH	yes	
	Outfall 004	1613	TCDD TEQ (ND = 0, no DNQ)	1.63E-08	µg/L			Water	2/11/2005		Primary Sample										MWH	yes	
	Outfall 004	1613	TCDD TEQ (ND = 0, no DNQ)	3.17E-08	µg/L			Water	1/14/2006		Primary Sample						B4DF26				MWH	yes	
	Outfall 004	1613	TCDD TEQ (ND = 0, no DNQ)	0.000000837	µg/L			Water	4/4/2006		Primary Sample						B4DF79				MWH	yes	
	Outfall 004	1613	TCDD TEQ (ND = 0, no DNQ)	3.06E-08	µg/L			Water	3/21/2006		Primary Sample						B4DF64				MWH	yes	
	Outfall 004	1613	TCDD TEQ (ND = 0, no DNQ)	2.984E-07	µg/L			Water	2/18/2006		Primary Sample						B4DF38				MWH	yes	
	Outfall 004	1613	TCDD TEQ (ND = 0, no DNQ)	6.79E-09	µg/L			Water	1/1/2006		Primary Sample						B4DF3				MWH	yes	
	Outfall 004	1613	TCDD TEQ (ND = 0, no DNQ)	2.34E-08	µg/L			Water	4/28/2005		Primary Sample										MWH	yes	
	Outfall 004	1613	TCDD TEQ (ND = 0, no DNQ)	2.16E-08	µg/L			Water	3/4/2005		Primary Sample										MWH	yes	
	Outfall 004	1613	TCDD TEQ (ND = 0, no DNQ)	7.647E-07	µg/L			Water	4/14/2006		Primary Sample						B4DF93				MWH	yes	
	Outfall 004	1613	TCDD TEQ (ND = 0, no DNQ)	1.77E-08	µg/L			Water	3/19/2005		Primary Sample										MWH	yes	
	Outfall 004	1613	TCDD TEQ (ND = 0, no DNQ)	6.176E-07	µg/L			Water	3/1/2006		Primary Sample						B4DF42				MWH	yes	
	Outfall 004	1613	TCDD TEQ (ND = 0, no DNQ)	2.62E-08	µg/L			Water	2/18/2005		Primary Sample										MWH	yes	
	Outfall 004	1613	TCDD TEQ (ND = 0, no DNQ)	0.000000024	µg/L			Water	3/28/2006		Primary Sample						B4DF60				MWH	yes	
	Outfall 004	1613	TCDD TEQ (ND = 0, no DNQ)	2.27E-08	µg/L			Water	5/22/2006		Primary Sample						B4DF104				MWH	yes	
	Outfall 004	1613	TCDD TEQ (ND = 0, no DNQ)	3.22E-08	µg/L			Water	3/11/2006		Primary Sample						B4DF35				MWH	yes	
	Outfall 004	1613	Total HpCDD	0.0000121	µg/L	J	0.00005	Water	2/11/2005		Primary Sample						T711DF30				MWH	yes	
	Outfall 004	1613	Total HpCDD	0.0000333	µg/L		0.000025	Water	5/22/2006		Primary Sample						B4DF104				MWH	yes	
	Outfall 004	1613	Total HpCDD	0.0000405	µg/L		0.000025	Water	3/11/2006		Primary Sample						B4DF35				MWH	yes	
	Outfall 004	1613	Total HpCDD	0.000115	µg/L		0.000025	Water	3/1/2006		Primary Sample						B4DF42				MWH	yes	
	Outfall 004	1613	Total HpCDD	0.000134	µg/L		0.000025	Water	4/14/2006		Primary Sample						B4DF93				MWH	yes	
	Outfall 004	1613	Total HpCDD	0.0000297	µg/L	J	0.00005	Water	3/4/2005		Primary Sample						T711DF36				MWH	yes	
	Outfall 004	1613	Total HpCDD	0.000016	µg/L		0.00005	Water	1/1/2006		Primary Sample						B4DF3				MWH	yes	
	Outfall 004	1613	Total HpCDD	0.0000297	µg/L		0.000025	Water	3/28/2006		Primary Sample						B4DF60				MWH	yes	
	Outfall 004	1613	Total HpCDD	0.000135	µg/L		0.000025	Water	4/4/2006		Primary Sample						B4DF79				MWH	yes	
	Outfall 004	1613	Total HpCDD	0.0000482	µg/L		0.000025	Water	3/21/2006		Primary Sample						B4DF64				MWH	yes	
	Outfall 004	1613	Total HpCDD	0.000054	µg/L		0.000025	Water	2/18/2006		Primary Sample						B4DF38				MWH	yes	
	Outfall 004	1613	Total HpCDD	0.0000189	µg/L	J	0.0000352	Water	4/28/2005		Primary Sample						T711DF48				MWH	yes	
	Outfall 004	1613	Total HpCDD	0.0000304	µg/L	J	0.00005	Water	3/19/2005		Primary Sample						T711DF37				MWH	yes	
	Outfall 004	1613	Total HpCDD	0.0000505	µg/L	J	0.000025	Water	1/14/2006		Primary Sample						B4DF26				MWH	yes	
	Outfall 004	1613	Total HpCDD	0.0000424	µg/L	J	0.00005	Water	2/18/2005		Primary Sample						T711DF29				MWH	yes	
	Outfall 004	1613	Total HpCDF	0.00000596	µg/L	J	0.00005	Water	2/11/2005		Primary Sample						T711DF30				MWH	yes	
	Outfall 004	1613	Total HpCDF	0.00000452	µg/L		0.00005	Water	1/1/2006		Primary Sample						B4DF3				MWH	yes	
	Outfall 004	1613	Total HpCDF	0.000022	µg/L		0.000025	Water	3/1/2006		Primary Sample						B4DF42				MWH	yes	
	Outfall 004	1613	Total HpCDF	0.00000723	µg/L	J	0.00005	Water	4/28/2005		Primary Sample						T711DF48				MWH	yes	
	Outfall 004	1613	Total HpCDF	0.0000107	µg/L		0.000025	Water	3/11/2006		Primary Sample						B4DF35				MWH	yes	
	Outfall 004	1613	Total HpCDF	0.00000685	µg/L	J	0.00005	Water	3/19/2005		Primary Sample						T711DF37				MWH	yes	
	Outfall 004	1613	Total HpCDF	0.00000854	µg/L	J	0.00005	Water	3/4/2005		Primary Sample						T711DF36				MWH	yes	
	Outfall 004	1613	Total HpCDF	0.0000365	µg/L		0.000025	Water	4/14/2006		Primary Sample						B4DF93				MWH	yes	
	Outfall 004	1613	Total HpCDF	0.0000397	µg/L		0.000025	Water	4/4/2006		Primary Sample						B4DF79				MWH	yes	
	Outfall 004	1613	Total HpCDF	0.00000271	µg/L	J	0.00000757	Water	3/21/2006		Primary Sample						B4DF64				MWH	yes	
	Outfall 004	1613	Total HpCDF	0.00000926	µg/L		0.000025	Water	3/28/2006		Primary Sample						B4DF60				MWH	yes	
	Outfall 004	1613	Total HpCDF	0.00000665	µg/L		0.0000091	Water	5/22/2006		Primary Sample						B4DF104				MWH	yes	
	Outfall 004	1613	Total HpCDF	0.0000111	µg/L	J	0.00005	Water	2/18/2005		Primary Sample						T711DF29				MWH	yes	
	Outfall 004	1613	Total HpCDF	0.00000341	µg/L		0.0000115	Water	1/14/2006		Primary Sample						B4DF26				MWH	yes	
	Outfall 004	1613	Total HpCDF	0.0000129	µg/L		0.000025	Water	2/18/2006		Primary Sample						B4DF38				MWH	yes	
	Outfall 004	1613	Total HxCDD	0.00005	µg/L	U	0.00005	Water	2/11/2005		Primary Sample						T711DF30				MWH	yes	
	Outfall 004	1613	Total HxCDD	0.0000138	µg/L		0.000025	Water	3/1/2006		Primary Sample						B4DF42				MWH	yes	
	Outfall 004	1613	Total HxCDD	0.00000183	µg/L	J	0.00005	Water	4/28/2005		Primary Sample						T711DF48				MWH	yes	
	Outfall 004	1613	Total HxCDD	0.00000157	µg/L		0.0000029	Water	3/11/2006		Primary Sample						B4DF35				MWH	yes	
	Outfall 004	1613	Total HxCDD	0.0000041	µg/L	J	0.00005	Water	3/19/2005		Primary Sample						T711DF37				MWH	yes	
	Outfall 004	1613	Total HxCDD	0.0000016	µg/L	UJ	0.0000016	Water	3/4/2005		Primary Sample						T711DF36				MWH	yes	
	Outfall 004	1613	Total HxCDD	0.000025	µg/L	U	0.000025	Water	2/18/2006		Primary Sample						B4DF38				MWH	yes	
	Outfall 004	1613	Total HxCDD	0.0000172	µg/L		0.000025	Water	4/14/2006		Primary Sample						B4DF93				MWH	yes	
	Outfall 004	1613	Total HxCDD	0.00005	µg/L	U	0.00005	Water	2/18/2005		Primary Sample						T711DF29				MWH	yes	
	Outfall 004	1613	Total HxCDD	0.00000545	µg/L		0.000025	Water	1/14/2006		Primary Sample						B4DF26				MWH	yes	
	Outfall 004	1613	Total HxCDD	0.00005	µg/L	U	0.00005	Water	1/1/2006		Primary Sample						B4DF3				MWH	yes	
	Outfall 004	1613	Total HxCDD	0.00000153	µg/L		0.000025	Water	3/21/2006		Primary Sample						B4DF64				MWH	yes	
	Outfall 004	1613	Total HxCDD	0.00000145	µg/L	UJ	0.00000145	Water	5/22/2006		Primary Sample						B4DF104				MWH	yes	
	Outfall 004	1613	Total HxCDD	0.000025	µg/L	U	0.000025	Water	3/28/2006		Primary Sample						B4DF60				MWH	yes	
	Outfall 004	1613	Total HxCDD	0.0000115	µg/L		0.000025	Water	4/4/2006		Primary Sample						B4DF79				MWH	yes	
	Outfall 004	1613	Total HxCDF	0.00005	µg/L	U	0.00005	Water	2/11/2005		Primary Sample						T711DF30				MWH	yes	
	Outfall 004	1613	Total HxCDF	0.00000557	µg/L	J	0.00000669	Water	3/4/2005		Primary Sample						T711DF36				MWH	yes	
	Outfall 004	1613	Total HxCDF	0.00000312	µg/L		0.000025	Water	5/22/2006		Primary Sample						B4DF104				MWH	yes	
	Outfall 004	1613	Total HxCDF	0.00000246	µg/L		0.000025	Water	3/11/2006		Primary Sample						B4DF35				MWH	yes	
	Outfall 004	1613	Total HxCDF	0.00000317	µg/L	J	0.00005	Water	3/19/2005		Primary Sample						T711DF37				MWH	yes	
	Outfall 004	1613	Total HxCDF	0.00000133	µg/L		0.000025	Water	2/18/2006		Primary Sample						B4DF38				MWH	yes	
	Outfall 004	1613	Total HxCDF	0.0000104	µg/L		0.000025	Water	4/14/2006		Primary Sample						B4DF93				MWH	yes	
	Outfall 004	1613	Total HxCDF	0.00000132	µg/L		0.00000198	Water	3/28/2006		Primary Sample						B4DF60				MWH	yes	
	Outfall 004	1613	Total HxCDF	0.000025	µg/L	U	0.000025	Water	3/21/2006		Primary Sample						B4DF64				MWH	yes	
	Outfall 004	1613	Total HxCDF	0.00000829	µg/L		0.000025	Water	4/4/2006		Primary Sample						B4DF79				MWH	yes	
	Outfall 004	1613	Total HxCDF	0.00000229	µg/L	J	0.00005	Water	4/28/2005		Primary Sample						T711DF48				MWH	yes	
	Outfall 004	1613	Total HxCDF	0.00005	µg/L	U	0.00005	Water	2/18/2005		Primary Sample						T711DF29				MWH	yes	
	Outfall 004	1613	Total HxCDF	0.00000202	µg/L		0.000025	Water	1/14/2006		Primary Sample						B4DF26				MWH	yes	
	Outfall 004	1613	Total HxCDF	0.00000361	µg/L		0.00000599	Water	3/1/2006		Primary Sample						B4DF42				MWH	yes	
	Outfall 004	1613	Total HxCDF	0.00005	µg/L	U	0.00005	Water	1/1/2006		Primary Sample						B4DF3				MWH	yes	
	Outfall 004	1613	Total PeCDD	0.00005	µg/L	U	0.00005	Water	2/11/2005		Primary Sample						T711DF30				MWH	yes	
	Outfall 004	1613	Total PeCDD	0.000025	µg/L	U	0.000025	Water	5/22/2006		Primary Sample						B4DF104				MWH	yes	
	Outfall 004	1613	Total PeCDD	0.000025	µg/L	U	0.000025	Water	2/18/2006		Primary Sample						B4DF38				MWH	yes	
	Outfall 004	1613	Total PeCDD	0.00005	µg/L	U	0.00005	Water	3/4/2005		Primary Sample						T711DF36				MWH	yes	
	Outfall 004	1613	Total PeCDD	0.000025	µg/L	U	0.000025	Water	3/28/2006		Primary Sample						B4DF60				MWH	yes	
	Outfall 004	1613	Total PeCDD	0.00005	µg/L	U	0.00005	Water	4/28/2005		Primary Sample						T711DF48				MWH	yes	
	Outfall 004	1613	Total PeCDD	0.000025	µg/L	U	0.000025	Water	3/21/2006		Primary Sample						B4DF64				MWH	yes	
	Outfall 004	1613	Total PeCDD	0.00005	µg/L	U	0.00005	Water	2/18/2005		Primary Sample						T711DF29				MWH	yes	
	Outfall 004	1613	Total PeCDD	0.00005	µg/L	U	0.00005	Water	1/1/2006		Primary Sample						B4DF3				MWH	yes	
	Outfall 004	1613	Total PeCDD	0.000025	µg/L	U	0.000025	Water	3/11/2006		Primary Sample						B4DF35				MWH	yes	
	Outfall 004	1613	Total PeCDD	0.000025	µg/L	U	0.000025	Water	4/4/2006		Primary Sample						B4DF79				MWH	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
	Outfall 004	1613	Total PeCDD	0.000025	µg/L	U	0.000025	Water	1/14/2006		Primary Sample						B4DF26				MWH	yes	
	Outfall 004	1613	Total PeCDD	0.000025	µg/L	U	0.000025	Water	3/1/2006		Primary Sample						B4DF42				MWH	yes	
	Outfall 004	1613	Total PeCDD	0.000025	µg/L	U	0.000025	Water	4/14/2006		Primary Sample						B4DF93				MWH	yes	
	Outfall 004	1613	Total PeCDD	0.00005	µg/L	U	0.00005	Water	3/19/2005		Primary Sample						T711DF37				MWH	yes	
	Outfall 004	1613	Total PeCDF	0.00005	µg/L	U	0.00005	Water	2/11/2005		Primary Sample						T711DF30				MWH	yes	
	Outfall 004	1613	Total PeCDF	0.000025	µg/L	U	0.000025	Water	2/18/2006		Primary Sample						B4DF38				MWH	yes	
	Outfall 004	1613	Total PeCDF	0.000025	µg/L	U	0.000025	Water	3/21/2006		Primary Sample						B4DF64				MWH	yes	
	Outfall 004	1613	Total PeCDF	0.00005	µg/L	U	0.00005	Water	3/4/2005		Primary Sample						T711DF36				MWH	yes	
	Outfall 004	1613	Total PeCDF	0.00005	µg/L	U	0.00005	Water	4/28/2005		Primary Sample						T711DF48				MWH	yes	
	Outfall 004	1613	Total PeCDF	0.00005	µg/L	U	0.00005	Water	1/1/2006		Primary Sample						B4DF3				MWH	yes	
	Outfall 004	1613	Total PeCDF	0.000025	µg/L	U	0.000025	Water	3/11/2006		Primary Sample						B4DF35				MWH	yes	
	Outfall 004	1613	Total PeCDF	0.000025	µg/L	U	0.000025	Water	1/14/2006		Primary Sample						B4DF26				MWH	yes	
	Outfall 004	1613	Total PeCDF	0.000025	µg/L	U	0.000025	Water	3/28/2006		Primary Sample						B4DF60				MWH	yes	
	Outfall 004	1613	Total PeCDF	0.000025	µg/L	U	0.000025	Water	4/14/2006		Primary Sample						B4DF93				MWH	yes	
	Outfall 004	1613	Total PeCDF	0.00005	µg/L	U	0.00005	Water	3/19/2005		Primary Sample						T711DF37				MWH	yes	
	Outfall 004	1613	Total PeCDF	0.00005	µg/L	U	0.00005	Water	2/18/2005		Primary Sample						T711DF29				MWH	yes	
	Outfall 004	1613	Total PeCDF	0.000000859	µg/L		0.000025	Water	4/4/2006		Primary Sample						B4DF79				MWH	yes	
	Outfall 004	1613	Total PeCDF	0.000025	µg/L	U	0.000025	Water	5/22/2006		Primary Sample						B4DF104				MWH	yes	
	Outfall 004	1613	Total PeCDF	0.000025	µg/L	U	0.000025	Water	3/1/2006		Primary Sample						B4DF42				MWH	yes	
	Outfall 004	1613	Total TCDD	0.00001	µg/L	U	0.00001	Water	2/11/2005		Primary Sample						T711DF30				MWH	yes	
	Outfall 004	1613	Total TCDD	0.000005	µg/L	U	0.000005	Water	4/14/2006		Primary Sample						B4DF93				MWH	yes	
	Outfall 004	1613	Total TCDD	0.00001	µg/L	U	0.00001	Water	3/4/2005		Primary Sample						T711DF36				MWH	yes	
	Outfall 004	1613	Total TCDD	0.00001	µg/L	U	0.00001	Water	2/18/2005		Primary Sample						T711DF29				MWH	yes	
	Outfall 004	1613	Total TCDD	0.000005	µg/L	U	0.000005	Water	3/1/2006		Primary Sample						B4DF42				MWH	yes	
	Outfall 004	1613	Total TCDD	0.000005	µg/L	U	0.000005	Water	3/11/2006		Primary Sample						B4DF35				MWH	yes	
	Outfall 004	1613	Total TCDD	0.000005	µg/L	U	0.000005	Water	3/21/2006		Primary Sample						B4DF64				MWH	yes	
	Outfall 004	1613	Total TCDD	0.00001	µg/L	U	0.00001	Water	4/28/2005		Primary Sample						T711DF48				MWH	yes	
	Outfall 004	1613	Total TCDD	0.000005	µg/L	U	0.000005	Water	3/28/2006		Primary Sample						B4DF60				MWH	yes	
	Outfall 004	1613	Total TCDD	0.00001	µg/L	U	0.00001	Water	3/19/2005		Primary Sample						T711DF37				MWH	yes	
	Outfall 004	1613	Total TCDD	0.000005	µg/L	U	0.000005	Water	4/4/2006		Primary Sample						B4DF79				MWH	yes	
	Outfall 004	1613	Total TCDD	0.00001	µg/L	U	0.00001	Water	1/1/2006		Primary Sample						B4DF3				MWH	yes	
	Outfall 004	1613	Total TCDD	0.000005	µg/L	U	0.000005	Water	5/22/2006		Primary Sample						B4DF104				MWH	yes	
	Outfall 004	1613	Total TCDD	0.000005	µg/L	U	0.000005	Water	1/14/2006		Primary Sample						B4DF26				MWH	yes	
	Outfall 004	1613	Total TCDD	0.000005	µg/L	U	0.000005	Water	2/18/2006		Primary Sample						B4DF38				MWH	yes	
	Outfall 004	1613	Total TCDF	0.00001	µg/L	U	0.00001	Water	2/11/2005		Primary Sample						T711DF30				MWH	yes	
	Outfall 004	1613	Total TCDF	0.00001	µg/L	U	0.00001	Water	3/19/2005		Primary Sample						T711DF37				MWH	yes	
	Outfall 004	1613	Total TCDF	0.000005	µg/L	U	0.000005	Water	2/18/2006		Primary Sample						B4DF38				MWH	yes	
	Outfall 004	1613	Total TCDF	0.000005	µg/L	U	0.000005	Water	5/22/2006		Primary Sample						B4DF104				MWH	yes	
	Outfall 004	1613	Total TCDF	0.00001	µg/L	U	0.00001	Water	4/28/2005		Primary Sample						T711DF48				MWH	yes	
	Outfall 004	1613	Total TCDF	0.000005	µg/L	U	0.000005	Water	4/4/2006		Primary Sample						B4DF79				MWH	yes	
	Outfall 004	1613	Total TCDF	0.00001	µg/L	U	0.00001	Water	1/1/2006		Primary Sample						B4DF3				MWH	yes	
	Outfall 004	1613	Total TCDF	0.000005	µg/L	U	0.000005	Water	1/14/2006		Primary Sample						B4DF26				MWH	yes	
	Outfall 004	1613	Total TCDF	0.000005	µg/L	U	0.000005	Water	3/28/2006		Primary Sample						B4DF60				MWH	yes	
	Outfall 004	1613	Total TCDF	0.000005	µg/L	U	0.000005	Water	3/1/2006		Primary Sample						B4DF42				MWH	yes	
	Outfall 004	1613	Total TCDF	0.00001	µg/L	U	0.00001	Water	3/4/2005		Primary Sample						T711DF36				MWH	yes	
	Outfall 004	1613	Total TCDF	0.000005	µg/L	U	0.000005	Water	4/14/2006		Primary Sample						B4DF93				MWH	yes	
	Outfall 004	1613	Total TCDF	0.00001	µg/L	U	0.00001	Water	2/18/2005		Primary Sample						T711DF29				MWH	yes	
	Outfall 004	1613	Total TCDF	0.000005	µg/L	U	0.000005	Water	3/21/2006		Primary Sample						B4DF64				MWH	yes	
	Outfall 004	1613	Total TCDF	0.000005	µg/L	U	0.000005	Water	3/11/2006		Primary Sample						B4DF35				MWH	yes	
	Outfall 004	200.8-Diss	Antimony, dissolved	1.2	µg/L		2	Water	10/18/2005		Primary Sample										MWH	no	Dissolved Metals; not considered
	Outfall 004	200.8-Diss	Antimony, dissolved	2	µg/L	UJ	2	Water	5/22/2006		Primary Sample						B4MT89				MWH	no	Dissolved Metals; not considered
	Outfall 004	200.8-Diss	Cadmium, dissolved	0.12	µg/L	J	1	Water	5/22/2006		Primary Sample						B4MT89				MWH	no	Dissolved Metals; not considered
	Outfall 004	200.8-Diss	Cadmium, dissolved	0.041	µg/L		1	Water	10/18/2005		Primary Sample										MWH	no	Dissolved Metals; not considered
	Outfall 004	200.8-Diss	Copper, dissolved	1.6	µg/L	J	2	Water	5/22/2006		Primary Sample						B4MT89				MWH	no	Dissolved Metals; not considered
	Outfall 004	200.8-Diss	Copper, dissolved	2	µg/L		2	Water	10/18/2005		Primary Sample										MWH	no	Dissolved Metals; not considered
	Outfall 004	200.8-Diss	Lead, dissolved	0.07	µg/L		1	Water	10/18/2005		Primary Sample										MWH	no	Dissolved Metals; not considered
	Outfall 004	200.8-Diss	Lead, dissolved	0.14	µg/L	J	1	Water	5/22/2006		Primary Sample						B4MT89				MWH	no	Dissolved Metals; not considered
	Outfall 004	200.8-Diss	Thallium, dissolved	1	µg/L	U	1	Water	5/22/2006		Primary Sample						B4MT89				MWH	no	Dissolved Metals; not considered
	Outfall 004	245.1-Diss	Mercury, dissolved	0.2	µg/L	U	0.2	Water	5/22/2006		Primary Sample						B4MT89				MWH	no	Dissolved Metals; not considered
	Outfall 004	245.1-Diss	Mercury, dissolved	0.2	µg/L	U*	0.2	Water	10/18/2005		Primary Sample										MWH	no	Dissolved Metals; not considered
	Outfall 004	1613PDMM2	1,2,3,4,6,7,8-HpCDD	0.000011	µg/L	J	0.00005	Water	10/27/2004		Primary Sample						T711DF11				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,6,7,8-HpCDD	0.00005	µg/L	UJ	0.00005	Water	1/3/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,6,7,8-HpCDD	0.0000014	µg/L	UJ	0.0000014	Water	12/27/2004		Primary Sample						T711DF15				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,6,7,8-HpCDD	0.000209	µg/L		0.000025	Water	11/9/2005		Primary Sample						T711DF51				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,6,7,8-HpCDD	0.00005	µg/L	U	0.00005	Water	12/5/2004		Primary Sample						T711DF14				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,6,7,8-HpCDD	0.00049	µg/L		0.00005	Water	10/18/2005		Primary Sample						T711DF50				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,6,7,8-HpCDD	0.00005	µg/L	UJ	0.00005	Water	1/10/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,6,7,8-HpCDD	0.0041	µg/L		0.00005	Water	10/17/2004		Primary Sample						T711DF7.				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,6,7,8-HpCDD	0.0000046	µg/L	J	0.00005	Water	1/28/2005		Primary Sample						T711DF33				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,6,7,8-HpCDF	0.0000021	µg/L	UJ	0.0000021	Water	1/3/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,6,7,8-HpCDF	0.00005	µg/L	UJ	0.00005	Water	1/28/2005		Primary Sample						T711DF33				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,6,7,8-HpCDF	0.000058	µg/L		0.00005	Water	10/18/2005		Primary Sample						T711DF50				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,6,7,8-HpCDF	0.00005	µg/L	U	0.00005	Water	12/27/2004		Primary Sample						T711DF11				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,6,7,8-HpCDF	0.00000087	µg/L	J	0.00005	Water	12/27/2004		Primary Sample						T711DF15				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,6,7,8-HpCDF	0.0000276	µg/L		0.000025	Water	11/9/2005		Primary Sample						T711DF51				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,6,7,8-HpCDF	0.00038	µg/L		0.00005	Water	10/17/2004		Primary Sample						T711DF7.				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,6,7,8-HpCDF	0.00005	µg/L	U	0.00005	Water	12/5/2004		Primary Sample						T711DF14				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,6,7,8-HpCDF	0.00005	µg/L	U	0.00005	Water	1/10/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,7,8,9-HpCDF	0.00005	µg/L	U	0.00005	Water	10/27/2004		Primary Sample						T711DF11				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,7,8,9-HpCDF	0.00005	µg/L	UJ	0.00005	Water	1/28/2005		Primary Sample						T711DF33				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,7,8,9-HpCDF	0.00005	µg/L	U	0.00005	Water	1/10/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,7,8,9-HpCDF	0.000025	µg/L	U	0.000025	Water	11/9/2005		Primary Sample						T711DF51				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,7,8,9-HpCDF	0.00005	µg/L	U	0.00005	Water	1/3/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,7,8,9-HpCDF	0.00005	µg/L	U	0.00005	Water	12/5/2004		Primary Sample						T711DF14				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,7,8,9-HpCDF	0.00005	µg/L	U	0.00005	Water	10/18/2005		Primary Sample						T711DF50				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,7,8,9-HpCDF	0.000014	µg/L	J	0.00005	Water	10/17/2004		Primary Sample						T711DF7.				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,7,8,9-HpCDF	0.00005	µg/L	U	0.00005	Water	12/27/2004		Primary Sample						T711DF15				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,7,8-HxCDD	0.00005	µg/L	U	0.00005	Water	10/18/2005		Primary Sample						T711DF50				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,7,8-HxCDD	0.0000248	µg/L	J	0.000025	Water	11/9/2005		Primary Sample						T711DF51				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,7,8-HxCDD	0.00005	µg/L	U	0.00005	Water	10/27/2004		Primary Sample						T711DF11				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,7,8-HxCDD	0.00005	µg/L	U	0.00005	Water	10/17/2004		Primary Sample						T711DF7.				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,7,8-HxCDD	0.00005	µg/L	U	0.00005	Water	12/27/2004		Primary Sample						T711DF15				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,7,8-HxCDD	0.00005	µg/L	U	0.00005	Water	1/3/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,7,8-HxCDD	0.00005	µg/L	U	0.00005	Water	12/5/2004		Primary Sample						T711DF14				MWH	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
	Outfall 004	1613PDMM2	1,2,3,4,7,8-HxCDD	0.00005	µg/L	UJ	0.00005	Water	1/28/2005		Primary Sample						T711DF33				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,7,8-HxCDD	0.00005	µg/L	U	0.00005	Water	1/10/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,7,8-HxCDF	0.00005	µg/L	U	0.00005	Water	1/10/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,7,8-HxCDF	0.00005	µg/L	U	0.00005	Water	10/27/2004		Primary Sample						T711DF11				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,7,8-HxCDF	0.00005	µg/L	UJ	0.00005	Water	1/28/2005		Primary Sample						T711DF33				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,7,8-HxCDF	0.00005	µg/L	UJ	0.00005	Water	12/27/2004		Primary Sample						T711DF15				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,7,8-HxCDF	0.00005	µg/L	U	0.00005	Water	1/3/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,7,8-HxCDF	0.00005	µg/L	U	0.00005	Water	12/5/2004		Primary Sample						T711DF14				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,7,8-HxCDF	0.0000067	µg/L	J	0.00005	Water	10/18/2005		Primary Sample						T711DF50				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,7,8-HxCDF	0.000036	µg/L	J	0.00005	Water	10/17/2004		Primary Sample						T711DF7.				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,4,7,8-HxCDF	0.0000051	µg/L	J	0.000025	Water	11/9/2005		Primary Sample						T711DF51				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,6,7,8-HxCDD	0.00005	µg/L	U	0.00005	Water	1/10/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,6,7,8-HxCDD	0.00005	µg/L	UJ	0.00005	Water	1/28/2005		Primary Sample						T711DF33				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,6,7,8-HxCDD	0.00005	µg/L	U	0.00005	Water	12/5/2004		Primary Sample						T711DF14				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,6,7,8-HxCDD	0.000029	µg/L	J	0.00005	Water	10/18/2005		Primary Sample						T711DF50				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,6,7,8-HxCDD	0.00000693	µg/L	J	0.000025	Water	11/9/2005		Primary Sample						T711DF51				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,6,7,8-HxCDD	0.00005	µg/L	U	0.00005	Water	10/27/2004		Primary Sample						T711DF11				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,6,7,8-HxCDD	0.00023	µg/L		0.00005	Water	10/17/2004		Primary Sample						T711DF7.				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,6,7,8-HxCDD	0.00005	µg/L	U	0.00005	Water	1/3/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,6,7,8-HxCDD	0.00005	µg/L	U	0.00005	Water	12/27/2004		Primary Sample						T711DF15				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,6,7,8-HxCDD	0.00005	µg/L	U	0.00005	Water	10/18/2005		Primary Sample						T711DF50				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,6,7,8-HxCDF	0.000011	µg/L	J	0.00005	Water	10/17/2004		Primary Sample						T711DF7.				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,6,7,8-HxCDF	0.00005	µg/L	U	0.00005	Water	1/10/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,6,7,8-HxCDF	0.00005	µg/L	U	0.00005	Water	12/27/2004		Primary Sample						T711DF15				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,6,7,8-HxCDF	0.00005	µg/L	U	0.00005	Water	10/27/2004		Primary Sample						T711DF11				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,6,7,8-HxCDF	0.00000474	µg/L	UJ	0.00000474	Water	11/9/2005		Primary Sample						T711DF51				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,6,7,8-HxCDF	0.00005	µg/L	U	0.00005	Water	1/3/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,6,7,8-HxCDF	0.00005	µg/L	U	0.00005	Water	12/5/2004		Primary Sample						T711DF14				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,6,7,8-HxCDF	0.00005	µg/L	UJ	0.00005	Water	1/28/2005		Primary Sample						T711DF33				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8,9-HxCDD	0.00005	µg/L	U	0.00005	Water	12/5/2004		Primary Sample						T711DF14				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8,9-HxCDD	0.00005	µg/L	UJ	0.00005	Water	1/28/2005		Primary Sample						T711DF33				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8,9-HxCDD	0.00005	µg/L	U	0.00005	Water	12/27/2004		Primary Sample						T711DF15				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8,9-HxCDD	0.00000324	µg/L	J	0.000025	Water	11/9/2005		Primary Sample						T711DF51				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8,9-HxCDD	0.00005	µg/L	U	0.00005	Water	10/27/2004		Primary Sample						T711DF11				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8,9-HxCDF	0.00005	µg/L	U	0.00005	Water	1/3/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8,9-HxCDF	0.00005	µg/L	U	0.00005	Water	10/18/2005		Primary Sample						T711DF50				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8,9-HxCDF	0.00005	µg/L	U	0.00005	Water	1/10/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8,9-HxCDF	0.000014	µg/L	J	0.00005	Water	10/17/2004		Primary Sample						T711DF7.				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8,9-HxCDF	0.000023	µg/L	J	0.00005	Water	10/17/2004		Primary Sample						T711DF7.				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8,9-HxCDF	0.000025	µg/L	U	0.000025	Water	11/9/2005		Primary Sample						T711DF51				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8,9-HxCDF	0.00005	µg/L	U	0.00005	Water	1/3/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8,9-HxCDF	0.00005	µg/L	U	0.00005	Water	10/27/2004		Primary Sample						T711DF11				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8,9-HxCDF	0.00005	µg/L	U	0.00005	Water	12/5/2004		Primary Sample						T711DF14				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8,9-HxCDF	0.00005	µg/L	U	0.00005	Water	12/27/2004		Primary Sample						T711DF15				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8,9-HxCDF	0.00005	µg/L	U	0.00005	Water	1/10/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8,9-HxCDF	0.00005	µg/L	UJ	0.00005	Water	1/28/2005		Primary Sample						T711DF33				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8,9-HxCDF	0.0000035	µg/L	UJ	0.0000035	Water	10/18/2005		Primary Sample						T711DF50				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8-PeCDD	0.00000168	µg/L	J	0.000025	Water	11/9/2005		Primary Sample						T711DF51				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8-PeCDD	0.00005	µg/L	U	0.00005	Water	1/10/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8-PeCDD	0.00005	µg/L	U	0.00005	Water	10/17/2004		Primary Sample						T711DF7.				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8-PeCDD	0.00005	µg/L	U	0.00005	Water	10/18/2005		Primary Sample						T711DF50				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8-PeCDD	0.00005	µg/L	UJ	0.00005	Water	1/28/2005		Primary Sample						T711DF33				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8-PeCDD	0.00005	µg/L	U	0.00005	Water	1/3/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8-PeCDD	0.00005	µg/L	U	0.00005	Water	12/5/2004		Primary Sample						T711DF14				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8-PeCDD	0.00005	µg/L	U	0.00005	Water	12/27/2004		Primary Sample						T711DF15				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8-PeCDD	0.00005	µg/L	U	0.00005	Water	10/27/2004		Primary Sample						T711DF11				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8-PeCDF	0.00005	µg/L	U	0.00005	Water	12/5/2004		Primary Sample						T711DF14				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8-PeCDF	0.0000056	µg/L	J	0.00005	Water	10/17/2004		Primary Sample						T711DF7.				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8-PeCDF	0.00000724	µg/L	J	0.000025	Water	11/9/2005		Primary Sample						T711DF51				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8-PeCDF	0.00005	µg/L	U	0.00005	Water	10/18/2005		Primary Sample						T711DF50				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8-PeCDF	0.00005	µg/L	U	0.00005	Water	10/27/2004		Primary Sample						T711DF11				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8-PeCDF	0.00005	µg/L	UJ	0.00005	Water	1/28/2005		Primary Sample						T711DF33				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8-PeCDF	0.00005	µg/L	U	0.00005	Water	1/3/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8-PeCDF	0.00005	µg/L	U	0.00005	Water	12/27/2004		Primary Sample						T711DF15				MWH	yes	
	Outfall 004	1613PDMM2	1,2,3,7,8-PeCDF	0.00005	µg/L	U	0.00005	Water	1/10/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	2,3,4,6,7,8-HxCDF	0.00005	µg/L	UJ	0.00005	Water	1/28/2005		Primary Sample						T711DF33				MWH	yes	
	Outfall 004	1613PDMM2	2,3,4,6,7,8-HxCDF	0.00000481	µg/L	J	0.000025	Water	11/9/2005		Primary Sample						T711DF51				MWH	yes	
	Outfall 004	1613PDMM2	2,3,4,6,7,8-HxCDF	0.00005	µg/L	U	0.00005	Water	1/3/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	2,3,4,6,7,8-HxCDF	0.00005	µg/L	U	0.00005	Water	1/10/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	2,3,4,6,7,8-HxCDF	0.00005	µg/L	U	0.00005	Water	12/27/2004		Primary Sample						T711DF15				MWH	yes	
	Outfall 004	1613PDMM2	2,3,4,6,7,8-HxCDF	0.000027	µg/L	J	0.00005	Water	10/17/2004		Primary Sample						T711DF7.				MWH	yes	
	Outfall 004	1613PDMM2	2,3,4,6,7,8-HxCDF	0.00005	µg/L	U	0.00005	Water	10/18/2005		Primary Sample						T711DF50				MWH	yes	
	Outfall 004	1613PDMM2	2,3,4,6,7,8-HxCDF	0.00005	µg/L	U	0.00005	Water	10/27/2004		Primary Sample						T711DF11				MWH	yes	
	Outfall 004	1613PDMM2	2,3,4,6,7,8-HxCDF	0.00005	µg/L	U	0.00005	Water	12/5/2004		Primary Sample						T711DF14				MWH	yes	
	Outfall 004	1613PDMM2	2,3,4,7,8-PeCDF	0.00005	µg/L	U	0.00005	Water	1/3/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	2,3,4,7,8-PeCDF	0.00005	µg/L	U	0.00005	Water	10/27/2004		Primary Sample						T711DF11				MWH	yes	
	Outfall 004	1613PDMM2	2,3,4,7,8-PeCDF	0.00002	µg/L	J	0.00005	Water	10/17/2004		Primary Sample						T711DF7.				MWH	yes	
	Outfall 004	1613PDMM2	2,3,4,7,8-PeCDF	0.00005	µg/L	U	0.00005	Water	12/27/2004		Primary Sample						T711DF15				MWH	yes	
	Outfall 004	1613PDMM2	2,3,4,7,8-PeCDF	0.00005	µg/L	UJ	0.00005	Water	1/28/2005		Primary Sample						T711DF33				MWH	yes	
	Outfall 004	1613PDMM2	2,3,4,7,8-PeCDF	0.00005	µg/L	U	0.00005	Water	12/5/2004		Primary Sample						T711DF14				MWH	yes	
	Outfall 004	1613PDMM2	2,3,4,7,8-PeCDF	0.00000957	µg/L	J	0.000025	Water	11/9/2005		Primary Sample						T711DF51				MWH	yes	
	Outfall 004	1613PDMM2	2,3,4,7,8-PeCDF	0.0000057	µg/L	UJ	0.0000057	Water	10/18/2005		Primary Sample						T711DF50				MWH	yes	
	Outfall 004	1613PDMM2	2,3,4,7,8-PeCDF	0.00005	µg/L	U	0.00005	Water	1/10/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	2,3,7,8-TCDD	0.00001	µg/L	UJ	0.00001	Water	1/28/2005		Primary Sample						T711DF33				MWH	yes	
	Outfall 004	1613PDMM2	2,3,7,8-TCDD	0.000005	µg/L	U	0.000005	Water	11/9/2005		Primary Sample						T711DF51				MWH	yes	
	Outfall 004	1613PDMM2	2,3,7,8-TCDD	0.00001	µg/L	U	0.00001	Water	10/18/2005		Primary Sample						T711DF50				MWH	yes	
	Outfall 004	1613PDMM2	2,3,7,8-TCDD	0.00001	µg/L	U	0.00001	Water	10/27/2004		Primary Sample						T711DF11				MWH	yes	
	Outfall 004	1613PDMM2	2,3,7,8-TCDD	0.00001	µg/L	U	0.00001	Water	1/3/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	2,3,7,8-TCDD	0.00001	µg/L	U	0.00001	Water	12/27/2004		Primary Sample						T711DF15				MWH	yes	
	Outfall 004	1613PDMM2	2,3,7,8-TCDD	0.00001	µg/L	U	0.00001	Water	10/17/2004		Primary Sample						T711DF7.				MWH	yes	
	Outfall 004	1613PDMM2	2,3,7,8-TCDD	0.00001	µg/L	U	0.00001	Water	1/10/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	2,3,7,8-TCDD	0.00001	µg/L	U	0.00001	Water	12/5/2004		Primary Sample						T711DF14				MWH	yes	
	Outfall 004	1613PDMM2	2,3,7,8-TCDF	0.00001	µg/L	U	0.00001	Water	12/27/2004		Primary Sample						T711DF15				MWH	yes	
	Outfall 004	1613PDMM2	2,3,7,8-TCDF	0.00001	µg/L	U	0.00001	Water	10/18/2005		Primary Sample						T711DF50				MWH	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
	Outfall 004	1613PDMM2	2,3,7,8-TCDF	0.00001	µg/L	U	0.00001	Water	1/10/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	2,3,7,8-TCDF	0.00001	µg/L	U	0.00001	Water	10/27/2004		Primary Sample						T711DF11				MWH	yes	
	Outfall 004	1613PDMM2	2,3,7,8-TCDF	0.00000742	µg/L		0.000005	Water	11/9/2005		Primary Sample						T711DF51				MWH	yes	
	Outfall 004	1613PDMM2	2,3,7,8-TCDF	0.00001	µg/L	U	0.00001	Water	12/5/2004		Primary Sample						T711DF14				MWH	yes	
	Outfall 004	1613PDMM2	2,3,7,8-TCDF	0.0000031	µg/L	J	0.00001	Water	10/17/2004		Primary Sample						T711DF7.				MWH	yes	
	Outfall 004	1613PDMM2	2,3,7,8-TCDF	0.00001	µg/L	U	0.00001	Water	1/3/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	2,3,7,8-TCDF	0.00001	µg/L	UJ	0.00001	Water	1/28/2005		Primary Sample						T711DF33				MWH	yes	
	Outfall 004	1613PDMM2	OCDD	0.0001	µg/L	UJ	0.0001	Water	1/10/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	OCDD	0.00011	µg/L		0.0001	Water	10/27/2004		Primary Sample						T711DF11				MWH	yes	
	Outfall 004	1613PDMM2	OCDD	0.000021	µg/L	J	0.0001	Water	12/5/2004		Primary Sample						T711DF14				MWH	yes	
	Outfall 004	1613PDMM2	OCDD	0.00011	µg/L	UJ	0.00011	Water	1/3/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	OCDD	0.029	µg/L		0.0001	Water	10/17/2004		Primary Sample						T711DF7.				MWH	yes	
	Outfall 004	1613PDMM2	OCDD	0.000043	µg/L	J	0.0001	Water	1/28/2005		Primary Sample						T711DF33				MWH	yes	
	Outfall 004	1613PDMM2	OCDD	0.0036	µg/L		0.0001	Water	10/18/2005		Primary Sample						T711DF50				MWH	yes	
	Outfall 004	1613PDMM2	OCDD	0.00318	µg/L		0.00005	Water	11/9/2005		Primary Sample						T711DF51				MWH	yes	
	Outfall 004	1613PDMM2	OCDD	0.0001	µg/L	UJ	0.0001	Water	12/27/2004		Primary Sample						T711DF15				MWH	yes	
	Outfall 004	1613PDMM2	OCDF	0.0000032	µg/L	J	0.0001	Water	10/27/2004		Primary Sample						T711DF11				MWH	yes	
	Outfall 004	1613PDMM2	OCDF	0.0001	µg/L	UJ	0.0001	Water	12/27/2004		Primary Sample						T711DF15				MWH	yes	
	Outfall 004	1613PDMM2	OCDF	0.00015	µg/L		0.0001	Water	10/18/2005		Primary Sample						T711DF50				MWH	yes	
	Outfall 004	1613PDMM2	OCDF	0.0001	µg/L	UJ	0.0001	Water	1/28/2005		Primary Sample						T711DF33				MWH	yes	
	Outfall 004	1613PDMM2	OCDF	0.0000764	µg/L		0.00005	Water	11/9/2005		Primary Sample						T711DF51				MWH	yes	
	Outfall 004	1613PDMM2	OCDF	0.0001	µg/L	UJ	0.0001	Water	1/3/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	OCDF	0.001	µg/L		0.0001	Water	10/17/2004		Primary Sample						T711DF7.				MWH	yes	
	Outfall 004	1613PDMM2	OCDF	0.0001	µg/L	U	0.0001	Water	12/5/2004		Primary Sample						T711DF14				MWH	yes	
	Outfall 004	1613PDMM2	OCDF	0.0001	µg/L	UJ	0.0001	Water	1/10/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	TCDD TEQ (ND = 0)	5.03E-08	µg/L			Water	1/28/2005		Primary Sample										MWH	yes	
	Outfall 004	1613PDMM2	TCDD TEQ (ND = 0)	0.000009425	µg/L			Water	10/18/2005		Primary Sample										MWH	yes	
	Outfall 004	1613PDMM2	TCDD TEQ (ND = 0)	0.000000121	µg/L			Water	10/27/2004		Primary Sample										MWH	yes	
	Outfall 004	1613PDMM2	TCDD TEQ (ND = 0)	0	µg/L			Water	1/3/2005		Primary Sample										MWH	yes	
	Outfall 004	1613PDMM2	TCDD TEQ (ND = 0)	0	µg/L			Water	1/10/2005		Primary Sample										MWH	yes	
	Outfall 004	1613PDMM2	TCDD TEQ (ND = 0)	1.25166E-05	µg/L			Water	11/9/2005		Primary Sample										MWH	yes	
	Outfall 004	1613PDMM2	TCDD TEQ (ND = 0)	0.0000926	µg/L			Water	10/17/2004		Primary Sample										MWH	yes	
	Outfall 004	1613PDMM2	TCDD TEQ (ND = 0)	2.1E-09	µg/L			Water	12/5/2004		Primary Sample										MWH	yes	
	Outfall 004	1613PDMM2	TCDD TEQ (ND = 0)	8.7E-09	µg/L			Water	12/27/2004		Primary Sample										MWH	yes	
	Outfall 004	1613PDMM2	TCDD TEQ (ND = 0, no DNQ)	0.0000708	µg/L			Water	10/17/2004		Primary Sample										MWH	yes	
	Outfall 004	1613PDMM2	TCDD TEQ (ND = 0, no DNQ)	0	µg/L			Water	12/27/2004		Primary Sample										MWH	yes	
	Outfall 004	1613PDMM2	TCDD TEQ (ND = 0, no DNQ)	0	µg/L			Water	1/10/2005		Primary Sample										MWH	yes	
	Outfall 004	1613PDMM2	TCDD TEQ (ND = 0, no DNQ)	0.000005855	µg/L			Water	10/18/2005		Primary Sample										MWH	yes	
	Outfall 004	1613PDMM2	TCDD TEQ (ND = 0, no DNQ)	0	µg/L			Water	1/3/2005		Primary Sample										MWH	yes	
	Outfall 004	1613PDMM2	TCDD TEQ (ND = 0, no DNQ)	3.43364E-06	µg/L			Water	11/9/2005		Primary Sample										MWH	yes	
	Outfall 004	1613PDMM2	TCDD TEQ (ND = 0, no DNQ)	0.000000011	µg/L			Water	10/27/2004		Primary Sample										MWH	yes	
	Outfall 004	1613PDMM2	TCDD TEQ (ND = 0, no DNQ)	0	µg/L			Water	12/5/2004		Primary Sample										MWH	yes	
	Outfall 004	1613PDMM2	TCDD TEQ (ND = 0, no DNQ)	0	µg/L			Water	1/28/2005		Primary Sample										MWH	yes	
	Outfall 004	1613PDMM2	Total HpCDD	0.0000017	µg/L	J	0.00005	Water	12/27/2004		Primary Sample						T711DF15				MWH	yes	
	Outfall 004	1613PDMM2	Total HpCDD	0.0000046	µg/L	J	0.00005	Water	1/28/2005		Primary Sample						T711DF33				MWH	yes	
	Outfall 004	1613PDMM2	Total HpCDD	0.000013	µg/L	J	0.00005	Water	1/10/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	Total HpCDD	0.000022	µg/L	J	0.00005	Water	10/27/2004		Primary Sample						T711DF11				MWH	yes	
	Outfall 004	1613PDMM2	Total HpCDD	0.0062	µg/L		0.00005	Water	10/17/2004		Primary Sample						T711DF7.				MWH	yes	
	Outfall 004	1613PDMM2	Total HpCDD	0.00005	µg/L	U	0.00005	Water	12/5/2004		Primary Sample						T711DF14				MWH	yes	
	Outfall 004	1613PDMM2	Total HpCDD	0.000017	µg/L	J	0.00005	Water	1/3/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	Total HpCDD	0.000123	µg/L			Water	11/9/2005		Primary Sample						T711DF51				MWH	yes	
	Outfall 004	1613PDMM2	Total HpCDD	0.00076	µg/L		0.00005	Water	10/18/2005		Primary Sample						T711DF50				MWH	yes	
	Outfall 004	1613PDMM2	Total HpCDD	0.0000042	µg/L	J	0.00005	Water	1/28/2005		Primary Sample						T711DF33				MWH	yes	
	Outfall 004	1613PDMM2	Total HpCDF	0.00005	µg/L	U	0.00005	Water	10/27/2004		Primary Sample						T711DF11				MWH	yes	
	Outfall 004	1613PDMM2	Total HpCDF	0.00005	µg/L	U	0.00005	Water	1/3/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	Total HpCDF	0.0014	µg/L		0.00005	Water	10/17/2004		Primary Sample						T711DF7.				MWH	yes	
	Outfall 004	1613PDMM2	Total HpCDF	0.00005	µg/L	U	0.00005	Water	1/10/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	Total HpCDF	0.000058	µg/L		0.00005	Water	10/18/2005		Primary Sample						T711DF50				MWH	yes	
	Outfall 004	1613PDMM2	Total HpCDF	0.0000455	µg/L			Water	11/9/2005		Primary Sample						T711DF51				MWH	yes	
	Outfall 004	1613PDMM2	Total HpCDF	0.00000087	µg/L	J	0.00005	Water	12/27/2004		Primary Sample						T711DF15				MWH	yes	
	Outfall 004	1613PDMM2	Total HpCDF	0.00005	µg/L	U	0.00005	Water	12/5/2004		Primary Sample						T711DF14				MWH	yes	
	Outfall 004	1613PDMM2	Total HxCDD	0.00005	µg/L	U	0.00005	Water	10/27/2004		Primary Sample						T711DF11				MWH	yes	
	Outfall 004	1613PDMM2	Total HxCDD	0.00005	µg/L	U	0.00005	Water	1/3/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	Total HxCDD	0.00005	µg/L	UJ	0.00005	Water	1/28/2005		Primary Sample						T711DF33				MWH	yes	
	Outfall 004	1613PDMM2	Total HxCDD	0.00005	µg/L	U	0.00005	Water	1/10/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	Total HxCDD	0.00005	µg/L	U	0.00005	Water	12/27/2004		Primary Sample						T711DF15				MWH	yes	
	Outfall 004	1613PDMM2	Total HxCDD	0.000077	µg/L		0.00005	Water	10/18/2005		Primary Sample						T711DF50				MWH	yes	
	Outfall 004	1613PDMM2	Total HxCDD	0.00005	µg/L	U	0.00005	Water	12/5/2004		Primary Sample						T711DF14				MWH	yes	
	Outfall 004	1613PDMM2	Total HxCDD	0.00054	µg/L		0.00005	Water	10/17/2004		Primary Sample						T711DF7.				MWH	yes	
	Outfall 004	1613PDMM2	Total HxCDD	0.0000834	µg/L			Water	11/9/2005		Primary Sample						T711DF51				MWH	yes	
	Outfall 004	1613PDMM2	Total HxCDF	0.00005	µg/L	U	0.00005	Water	12/5/2004		Primary Sample						T711DF14				MWH	yes	
	Outfall 004	1613PDMM2	Total HxCDF	0.00005	µg/L	U	0.00005	Water	1/10/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	Total HxCDF	0.00048	µg/L		0.00005	Water	10/17/2004		Primary Sample						T711DF7.				MWH	yes	
	Outfall 004	1613PDMM2	Total HxCDF	0.00005	µg/L	U	0.00005	Water	1/3/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	Total HxCDF	0.00005	µg/L	UJ	0.00005	Water	12/27/2004		Primary Sample						T711DF15				MWH	yes	
	Outfall 004	1613PDMM2	Total HxCDF	0.00005	µg/L	UJ	0.00005	Water	1/28/2005		Primary Sample						T711DF33				MWH	yes	
	Outfall 004	1613PDMM2	Total HxCDF	0.000054	µg/L		0.00005	Water	10/18/2005		Primary Sample						T711DF50				MWH	yes	
	Outfall 004	1613PDMM2	Total HxCDF	0.00005	µg/L	U	0.00005	Water	10/27/2004		Primary Sample						T711DF11				MWH	yes	
	Outfall 004	1613PDMM2	Total HxCDF	0.000179	µg/L			Water	11/9/2005		Primary Sample						T711DF51				MWH	yes	
	Outfall 004	1613PDMM2	Total PeCDD	0.00005	µg/L	U	0.00005	Water	10/27/2004		Primary Sample						T711DF11				MWH	yes	
	Outfall 004	1613PDMM2	Total PeCDD	0.00005	µg/L	U	0.00005	Water	12/5/2004		Primary Sample						T711DF14				MWH	yes	
	Outfall 004	1613PDMM2	Total PeCDD	0.00005	µg/L	UJ	0.00005	Water	1/28/2005		Primary Sample						T711DF33				MWH	yes	
	Outfall 004	1613PDMM2	Total PeCDD	0.00005	µg/L	U	0.00005	Water	1/10/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	Total PeCDD	0.00005	µg/L	U	0.00005	Water	12/27/2004		Primary Sample						T711DF15				MWH	yes	
	Outfall 004	1613PDMM2	Total PeCDD	0.00005	µg/L	U	0.00005	Water	10/18/2005		Primary Sample						T711DF50				MWH	yes	
	Outfall 004	1613PDMM2	Total PeCDD	0.000398	µg/L			Water	11/9/2005		Primary Sample						T711DF51				MWH	yes	
	Outfall 004	1613PDMM2	Total PeCDD	0.00005	µg/L	U	0.00005	Water	1/3/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	Total PeCDD	0.00005	µg/L	U	0.00005	Water	10/17/2004		Primary Sample						T711DF7.				MWH	yes	
	Outfall 004	1613PDMM2	Total PeCDF	0.00005	µg/L	U	0.00005	Water	10/27/2004		Primary Sample						T711DF11				MWH	yes	
	Outfall 004	1613PDMM2	Total PeCDF	0.00005	µg/L	UJ	0.00005	Water	1/28/2005		Primary Sample						T711DF33				MWH	yes	
	Outfall 004	1613PDMM2	Total PeCDF	0.000022	µg/L	J	0.00005	Water	10/18/2005		Primary Sample						T711DF50				MWH	yes	
	Outfall 004	1613PDMM2	Total PeCDF	0.00005	µg/L	U	0.00005	Water	12/27/2004		Primary Sample						T711DF15				MWH	yes	
	Outfall 004	1613PDMM2	Total PeCDF	0.00005	µg/L	U	0.00005	Water	1/3/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	Total PeCDF	0.00005	µg/L	U	0.00005	Water	1/10/2005		Primary Sample						T711DF20				MWH	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
	Outfall 004	1613PDMM2	Total PeCDF	0.00005	µg/L	U	0.00005	Water	12/5/2004		Primary Sample						T711DF14				MWH	yes	
	Outfall 004	1613PDMM2	Total PeCDF	0.00017	µg/L		0.00005	Water	10/17/2004		Primary Sample						T711DF7.				MWH	yes	
	Outfall 004	1613PDMM2	Total PeCDF	0.0000415	µg/L			Water	11/9/2005		Primary Sample						T711DF51				MWH	yes	
	Outfall 004	1613PDMM2	Total TCDD	0.0000111	µg/L			Water	11/9/2005		Primary Sample						T711DF51				MWH	yes	
	Outfall 004	1613PDMM2	Total TCDD	0.00001	µg/L	U	0.00001	Water	10/17/2004		Primary Sample						T711DF7.				MWH	yes	
	Outfall 004	1613PDMM2	Total TCDD	0.00001	µg/L	U	0.00001	Water	1/10/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	Total TCDD	0.00001	µg/L	UJ	0.00001	Water	1/28/2005		Primary Sample						T711DF33				MWH	yes	
	Outfall 004	1613PDMM2	Total TCDD	0.00001	µg/L	U	0.00001	Water	12/5/2004		Primary Sample						T711DF14				MWH	yes	
	Outfall 004	1613PDMM2	Total TCDD	0.00001	µg/L	U	0.00001	Water	10/18/2005		Primary Sample						T711DF50				MWH	yes	
	Outfall 004	1613PDMM2	Total TCDD	0.00001	µg/L	U	0.00001	Water	1/3/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	Total TCDD	0.00001	µg/L	U	0.00001	Water	12/27/2004		Primary Sample						T711DF15				MWH	yes	
	Outfall 004	1613PDMM2	Total TCDD	0.00001	µg/L	U	0.00001	Water	10/27/2004		Primary Sample						T711DF11				MWH	yes	
	Outfall 004	1613PDMM2	Total TCDF	0.00001	µg/L	U	0.00001	Water	1/3/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	1613PDMM2	Total TCDF	0.00001	µg/L	U	0.00001	Water	10/27/2004		Primary Sample						T711DF11				MWH	yes	
	Outfall 004	1613PDMM2	Total TCDF	0.000034	µg/L		0.00001	Water	10/17/2004		Primary Sample						T711DF7.				MWH	yes	
	Outfall 004	1613PDMM2	Total TCDF	0.00001	µg/L	UJ	0.00001	Water	1/28/2005		Primary Sample						T711DF33				MWH	yes	
	Outfall 004	1613PDMM2	Total TCDF	0.0000186	µg/L			Water	11/9/2005		Primary Sample						T711DF51				MWH	yes	
	Outfall 004	1613PDMM2	Total TCDF	0.00000082	µg/L	J	0.00001	Water	12/27/2004		Primary Sample						T711DF15				MWH	yes	
	Outfall 004	1613PDMM2	Total TCDF	0.00001	µg/L	U	0.00001	Water	12/5/2004		Primary Sample						T711DF14				MWH	yes	
	Outfall 004	1613PDMM2	Total TCDF	0.00001	µg/L	U	0.00001	Water	10/18/2005		Primary Sample						T711DF50				MWH	yes	
	Outfall 004	1613PDMM2	Total TCDF	0.00001	µg/L	U	0.00001	Water	1/10/2005		Primary Sample						T711DF20				MWH	yes	
	Outfall 004	General Parameters	Acute Toxicity	100	%	*		Water	2/18/2005		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	Acute Toxicity	100	%	*		Water	2/18/2006		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	pH (Field)	7.9	pH Units	*		Water	2/18/2006		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	pH (Field)	6.5	pH Units	*		Water	1/14/2006		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	pH (Field)	7.76	pH Units	*		Water	1/28/2005		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	pH (Field)	6.9	pH Units	*		Water	1/3/2005		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	pH (Field)	7.1	pH Units	*		Water	5/22/2006		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	pH (Field)	7.5	pH Units	*		Water	11/9/2005		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	pH (Field)	6.9	pH Units	*		Water	12/27/2004		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	pH (Field)	7.18	pH Units	*		Water	12/5/2004		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	pH (Field)	6.65	pH Units	*		Water	1/1/2006		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	pH (Field)	7.4	pH Units	*		Water	2/18/2005		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	pH (Field)	7.33	pH Units	*		Water	10/18/2005		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	pH (Field)	7.2	pH Units	*		Water	3/1/2006		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	pH (Field)	7	pH Units	*		Water	3/11/2006		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	pH (Field)	6.6	pH Units	*		Water	3/19/2005		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	pH (Field)	7.6	pH Units	*		Water	3/21/2006		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	pH (Field)	7.7	pH Units	*		Water	3/28/2006		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	pH (Field)	6.8	pH Units	*		Water	3/4/2005		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	pH (Field)	7.9	pH Units	*		Water	4/14/2006		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	pH (Field)	6.7	pH Units	*		Water	4/28/2005		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	pH (Field)	7.1	pH Units	*		Water	4/4/2006		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	pH (Field)	6.9	pH Units	*		Water	2/11/2005		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	pH (Lab)	7.81	pH Units	*		Water	10/27/2004		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	pH (Lab)	6.93	pH Units	*		Water	10/17/2004		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	Temperature	54.7	F	*		Water	2/11/2005		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	Temperature	60.1	F	*		Water	10/18/2005		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	Temperature	55	F	*		Water	1/1/2006		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	Temperature	55.6	F	*		Water	1/14/2006		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	Temperature	52.7	F	*		Water	1/28/2005		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	Temperature	65.7	F	*		Water	10/17/2004		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	Temperature	57.4	F	*		Water	10/27/2004		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	Temperature	61	F	*		Water	11/9/2005		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	Temperature	50.4	F	*		Water	12/27/2004		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	Temperature	46.2	F	*		Water	12/5/2004		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	Temperature	59	F	*		Water	4/14/2006		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	Temperature	49.5	F	*		Water	1/3/2005		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	Temperature	70	F	*		Water	5/22/2006		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	Temperature	54.7	F	*		Water	2/18/2005		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	Temperature	63.1	F	*		Water	4/28/2005		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	Temperature	56.7	F	*		Water	3/4/2005		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	Temperature	57	F	*		Water	3/28/2006		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	Temperature	57	F	*		Water	3/21/2006		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	Temperature	49.3	F	*		Water	2/18/2006		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	Temperature	55.6	F	*		Water	3/19/2005		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	Temperature	52.9	F	*		Water	3/11/2006		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	Temperature	55	F	*		Water	4/4/2006		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	General Parameters	Temperature	55.9	F	*		Water	3/1/2006		Primary Sample										MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	Gross Alpha in Water	Gross alpha	0.526	pCi/L	UJ	3	Water	2/18/2006		Primary Sample						B4RA2				MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	Gross Alpha in Water	Gross alpha	0.309	pCi/L	U	3	Water	2/18/2005		Primary Sample						T711RA5				MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	Gross Beta in Water	Gross beta	2.21	pCi/L		4	Water	2/18/2005		Primary Sample						T711RA5				MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	Gross Beta in Water	Gross beta	21.4	pCi/L	J	4	Water	2/18/2006		Primary Sample						B4RA2				MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	SM2540C	Total Dissolved Solids	71	mg/L		10	Water	2/18/2005		Primary Sample										MWH	yes	
	Outfall 004	SM2540C	Total Dissolved Solids	69	mg/L		10	Water	4/28/2005		Primary Sample										MWH	yes	
	Outfall 004	SM2540C	Total Dissolved Solids	56	mg/L		10	Water	10/27/2004		Primary Sample										MWH	yes	
	Outfall 004	SM2540C	Total Dissolved Solids	56	mg/L		10	Water	3/11/2006		Primary Sample										MWH	yes	
	Outfall 004	SM2540C	Total Dissolved Solids	110	mg/L		10	Water	10/18/2005		Primary Sample						T711WC17				MWH	yes	
	Outfall 004	SM2540C	Total Dissolved Solids	43	mg/L		10	Water	12/5/2004		Primary Sample										MWH	yes	
	Outfall 004	SM2540C	Total Dissolved Solids	450	mg/L		10	Water	1/14/2006		Primary Sample										MWH	yes	
	Outfall 004	SM2540C	Total Dissolved Solids	190	mg/L		10	Water	11/9/2005		Primary Sample						T711WC17				MWH	yes	
	Outfall 004	SM2540C	Total Dissolved Solids	140	mg/L		10	Water	5/22/2006		Primary Sample						B4WC88				MWH	yes	
	Outfall 004	SM2540C	Total Dissolved Solids	190	mg/L		10	Water	10/17/2004		Primary Sample										MWH	yes	
	Outfall 004	SM2540C	Total Dissolved Solids	160	mg/L		10	Water	3/19/2005		Primary Sample						T711WC11				MWH	yes	
	Outfall 004	SM2540C	Total Dissolved Solids	79	mg/L		10	Water	3/1/2006		Primary Sample										MWH	yes	
	Outfall 004	SM2540C	Total Dissolved Solids	82	mg/L		10	Water	1/10/2005		Primary Sample										MWH	yes	
	Outfall 004	SM2540C	Total Dissolved Solids	110	mg/L		10	Water	3/4/2005		Primary Sample										MWH	yes	
	Outfall 004	SM2540C	Total Dissolved Solids	190	mg/L		10	Water	2/18/2006		Primary Sample										MWH	yes	
	Outfall 004	SM2540C	Total Dissolved Solids	69	mg/L		10	Water	3/21/2006		Primary Sample										MWH	yes	
	Outfall 004	SM2540C	Total Dissolved Solids	57	mg/L		10	Water	1/28/2005		Primary Sample										MWH	yes	
	Outfall 004	SM2540C	Total Dissolved Solids	76	mg/L		10	Water	12/27/2004		Primary Sample										MWH	yes	
	Outfall 004	SM2540C	Total Dissolved Solids	94	mg/L		10	Water	1/3/2005		Primary Sample										MWH	yes	
	Outfall 004	SM2540C	Total Dissolved Solids	170	mg/L		10	Water	1/1/2006		Primary Sample										MWH	yes	
	Outfall 004	SM2540C	Total Dissolved Solids	37	mg/L		10	Water	2/11/2005		Primary Sample										MWH	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
	Outfall 004	SM2540C	Total Dissolved Solids	280	mg/L		10	Water	4/14/2006		Primary Sample										MWH	yes	
	Outfall 004	SM2540C	Total Dissolved Solids	56	mg/L		10	Water	4/4/2006		Primary Sample										MWH	yes	
	Outfall 004	SM2540C	Total Dissolved Solids	58	mg/L		10	Water	3/28/2006		Primary Sample										MWH	yes	
	Outfall 004	Strontium-90 in Water	Strontium-90	0.333	pCi/L		2	Water	2/18/2005		Primary Sample						T711RA5				MWH	no	General parameters and radionuclides not included in risk assessment
	Outfall 004	Tritium-Water	Tritium	0	pCi/L	U	1000	Water	2/18/2005		Primary Sample						T711RA5				MWH	no	General parameters and radionuclides not included in risk assessment
P-1-UT71	P-1-UT71	7420	Lead	5.09	mg/kg	*	1	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	981210-1		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8015	TPH (as Diesel)	10	mg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	981210-1		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8015	TPH (as Gasoline)	1	mg/kg	U*	1	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	981210-1		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	1,1,1,2-Tetrachloroethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	1,1,1-Trichloroethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	1,1,2,2-Tetrachloroethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	1,1,2-Trichloroethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	1,1-Dichloroethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	1,1-Dichloroethene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	1,1-Dichloropropene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	1,2,3-Trichlorobenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	1,2,3-Trichloropropane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	1,2,4-Trichlorobenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	1,2-Dibromo-3-chloropropane	50	µg/kg	U*	50	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	1,2-Dibromoethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	1,2-Dichlorobenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	1,2-Dichloroethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	1,2-Dichloropropane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	1,3,5-Trimethylbenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	1,3-Dichlorobenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	1,3-Dichloropropane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	1,4-Dichlorobenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	2,2-Dichloropropane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	2-Butanone	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	2-Chlorotoluene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	4-Chlorotoluene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	4-Isopropyltoluene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	Acetone	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	Benzene	5	µg/kg	U*	5	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	Bromodichloromethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	Bromoform	50	µg/kg	U*	50	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	Bromomethane	30	µg/kg	U*	30	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	Carbon tetrachloride	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	Chlorobenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	Chloroethane	30	µg/kg	U*	30	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	Chloroform	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	Chloromethane	30	µg/kg	U*	30	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	cis-1,2-Dichloroethene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	cis-1,3-Dichloropropene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	Dibromochloromethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	Dibromomethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	Dichlorodifluoromethane	30	µg/kg	U*	30	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	Ethylbenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	Hexachlorobutadiene	30	µg/kg	U*	30	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	Iodomethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	Isopropylbenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	m,p-Xylene	15	µg/kg	U*	15	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	Methyl tert-butyl ether	50	µg/kg	U*	50	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	Methylene chloride	50	µg/kg	U*	50	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	Monobromobenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	Naphthalene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	n-Butylbenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	n-Propylbenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	o-Xylene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	sec-Butylbenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	Styrene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	tert-Butylbenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	Tetrachloroethene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	Toluene	5	µg/kg	U*	5	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	trans-1,2-Dichloroethene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	trans-1,3-Dichloropropene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	Trichloroethene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	Trichlorofluoromethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	8260	Vinyl chloride	30	µg/kg	U*	30	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28923		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
P-1-UT71	P-1-UT71	DOHS	Organic Lead	0.5	mg/kg	U*	0.5	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	981210-1		268483.4056	1786300.074	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
PS-5 0-.5	PS-5 0-.5	6010	Antimony	3	mg/kg	UJ	3	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	6010	Barium	56.5	mg/kg			Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	6010	Beryllium	0.5	mg/kg	U	0.5	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	6010	Cadmium	0.5	mg/kg	U	0.5	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	6010	Chromium	15.8	mg/kg			Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	6010	Cobalt	3.8	mg/kg			Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	6010	Copper	53.3	mg/kg			Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	6010	Lead	21.2	mg/kg			Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	6010	Molybdenum	1	mg/kg	U	1	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	6010	Nickel	7.6	mg/kg			Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	6010	Silver	1	mg/kg	U	1	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	6010	Vanadium	23.1	mg/kg			Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	6010	Zinc	165	mg/kg			Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	7060	Arsenic	2.2	mg/kg			Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	7471	Mercury	0.78	mg/kg			Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	7740	Selenium	1	mg/kg	U	1	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	7841	Thallium	1	mg/kg	U	1	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	1,1,1-Trichloroethane	50	µg/kg	U	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	1,1,2,2-Tetrachloroethane	50	µg/kg	U	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	1,1,2-Trichloroethane	50	µg/kg	U	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	1,1-Dichloroethane	50	µg/kg	U	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	1,1-Dichloroethene	50	µg/kg	U	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	1,2-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	1,2-Dichloroethane	50	µg/kg	U	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
PS-5 0-.5	PS-5 0-.5	8240	1,2-Dichloroethene (total)	50	µg/kg	U	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	1,2-Dichloropropane	50	µg/kg	U	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	1,3-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	1,4-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	2-Butanone	1000	µg/kg	U	1000	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	2-Hexanone	500	µg/kg	U	500	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	4-Methyl-2-pentanone	500	µg/kg	U	500	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	Acetone	1000	µg/kg	U	1000	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	Benzene	50	µg/kg	U	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	Bromodichloromethane	50	µg/kg	U	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	Bromoform	300	µg/kg	U	300	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	Bromomethane	500	µg/kg	U	500	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	Carbon disulfide	50	µg/kg	U	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	Carbon tetrachloride	50	µg/kg	U	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	Chlorobenzene	50	µg/kg	U	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	Chloroethane	50	µg/kg	U	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	Chloroform	50	µg/kg	U	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	Chloromethane	500	µg/kg	U	500	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	cis-1,3-Dichloropropene	50	µg/kg	U	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	Dibromochloromethane	50	µg/kg	U	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	Ethylbenzene	50	µg/kg	U	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	Methylene chloride	300	µg/kg	U	300	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	Styrene	50	µg/kg	U	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	Tetrachloroethene	50	µg/kg	U	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	Toluene	100	µg/kg	U	100	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	trans-1,3-Dichloropropene	50	µg/kg	U	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	Trichloroethene	50	µg/kg	U	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	Vinyl acetate	500	µg/kg	U	500	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	Vinyl chloride	50	µg/kg	U	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8240	Xylenes (total)	50	µg/kg	U	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-09	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	1,2,4-Trichlorobenzene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	1,2-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	no	duplicate result of method 8260
PS-5 0-.5	PS-5 0-.5	8270	1,3-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	no	duplicate result of method 8260
PS-5 0-.5	PS-5 0-.5	8270	1,4-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	no	duplicate result of method 8260
PS-5 0-.5	PS-5 0-.5	8270	2,4,5-Trichlorophenol	850	µg/kg	U	850	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	2,4,6-Trichlorophenol	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	2,4-Dichlorophenol	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	2,4-Dimethylphenol	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	2,4-Dinitrophenol	850	µg/kg	U	850	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	2,4-Dinitrotoluene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	2,6-Dinitrotoluene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	2-Chloronaphthalene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	2-Chlorophenol	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	2-Methylnaphthalene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	2-Methylphenol	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	2-Nitroaniline	850	µg/kg	U	850	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	2-Nitrophenol	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	3,3'-Dichlorobenzidine	340	µg/kg	U	340	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	3-Nitroaniline	850	µg/kg	U	850	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	4,6-Dinitro-2-methylphenol	850	µg/kg	U	850	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	4-Bromophenyl phenyl ether	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	4-Chloro-3-methylphenol	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	4-Chloroaniline	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	4-Chlorophenyl phenyl ether	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	4-Methylphenol	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	4-Nitroaniline	850	µg/kg	U	850	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	4-Nitrophenol	850	µg/kg	U	850	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Acenaphthene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Acenaphthylene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Aniline	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Anthracene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Benzidine	1700	µg/kg	U	1700	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Benzo(a)anthracene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Benzo(a)pyrene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Benzo(b)fluoranthene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Benzo(g,h,i)perylene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Benzo(k)fluoranthene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Benzoic Acid	850	µg/kg	U	850	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Benzyl alcohol	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	bis(2-Chloroethoxy)methane	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	bis(2-Chloroethyl)ether	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	bis(2-Chloroisopropyl) ether	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	bis(2-Ethylhexyl)phthalate	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Butylbenzylphthalate	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Chrysene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Dibenzo(a,h)anthracene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Dibenzofuran	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Diethylphthalate	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Dimethyl phthalate	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Di-n-butyl phthalate	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Di-n-octyl phthalate	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Fluoranthene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Fluorene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Hexachlorobenzene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Hexachlorobutadiene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Hexachlorocyclopentadiene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Hexachloroethane	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Indeno(1,2,3-cd)pyrene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Isophorone	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Naphthalene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Nitrobenzene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	N-nitrosodimethylamine	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	N-nitrosodi-n-propylamine	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	N-nitrosodiphenylamine	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
PS-5 0-.5	PS-5 0-.5	8270	Pentachlorophenol	850	µg/kg	U	850	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Phenanthrene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Phenol	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 0-.5	PS-5 0-.5	8270	Pyrene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-09	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	6010	Antimony	3	mg/kg	UJ	3	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	6010	Barium	51.6	mg/kg			Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	6010	Beryllium	0.5	mg/kg	U	0.5	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	6010	Cadmium	0.5	mg/kg	U	0.5	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	6010	Chromium	12.2	mg/kg			Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	6010	Cobalt	4.1	mg/kg			Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	6010	Copper	24.4	mg/kg			Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	6010	Lead	5.2	mg/kg			Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	6010	Molybdenum	1	mg/kg	U	1	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	6010	Nickel	6.6	mg/kg			Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	6010	Silver	1	mg/kg	U	1	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	6010	Vanadium	23.7	mg/kg			Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	6010	Zinc	49.1	mg/kg			Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	7060	Arsenic	1.8	mg/kg			Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	7471	Mercury	0.25	mg/kg	U	0.25	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	7740	Selenium	1	mg/kg	U	1	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	7841	Thallium	1	mg/kg	U	1	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	1,1,1-Trichloroethane	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	1,1,2,2-Tetrachloroethane	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	1,1,2-Trichloroethane	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	1,1-Dichloroethane	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	1,1-Dichloroethene	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	1,2-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	1,2-Dichloroethane	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	1,2-Dichloroethene (total)	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	1,2-Dichloropropane	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	1,3-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	1,4-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	2-Butanone	1000	µg/kg	U	1000	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	2-Hexanone	500	µg/kg	U	500	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	4-Methyl-2-pentanone	500	µg/kg	U	500	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	Acetone	1000	µg/kg	U	1000	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	Benzene	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	Bromodichloromethane	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	Bromoform	300	µg/kg	U	300	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	Bromomethane	500	µg/kg	U	500	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	Carbon disulfide	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	Carbon tetrachloride	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	Chlorobenzene	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	Chloroethane	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	Chloroform	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	Chloromethane	500	µg/kg	U	500	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	cis-1,3-Dichloropropene	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	Dibromochloromethane	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	Ethylbenzene	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	Methylene chloride	300	µg/kg	U	300	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	Styrene	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	Tetrachloroethene	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	Toluene	100	µg/kg	U	100	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	trans-1,3-Dichloropropene	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	Trichloroethene	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	Vinyl acetate	5000	µg/kg	U	500	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	Vinyl chloride	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8240	Xylenes (total)	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-10	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	1,2,4-Trichlorobenzene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	1,2-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	no	duplicate result of method 8260
PS-5 1-1.5	PS-5 1-1.5	8270	1,3-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	no	duplicate result of method 8260
PS-5 1-1.5	PS-5 1-1.5	8270	1,4-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	no	duplicate result of method 8260
PS-5 1-1.5	PS-5 1-1.5	8270	2,4,5-Trichlorophenol	850	µg/kg	U	850	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	2,4,6-Trichlorophenol	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	2,4-Dichlorophenol	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	2,4-Dimethylphenol	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	2,4-Dinitrophenol	850	µg/kg	U	850	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	2,4-Dinitrotoluene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	2,6-Dinitrotoluene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	2-Chloronaphthalene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	2-Chlorophenol	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	2-Methylnaphthalene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	2-Methylphenol	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	2-Nitroaniline	850	µg/kg	U	850	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	2-Nitrophenol	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	3,3'-Dichlorobenzidine	340	µg/kg	U	340	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	3-Nitroaniline	850	µg/kg	U	850	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	4,6-Dinitro-2-methylphenol	850	µg/kg	U	850	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	4-Bromophenyl phenyl ether	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	4-Chloro-3-methylphenol	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	4-Chloroaniline	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	4-Chlorophenyl phenyl ether	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	4-Methylphenol	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	4-Nitroaniline	850	µg/kg	U	850	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	4-Nitrophenol	850	µg/kg	U	850	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Acenaphthene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Acenaphthylene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Aniline	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Anthracene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Benzidine	1700	µg/kg	U	1700	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Benzo(a)anthracene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Benzo(a)pyrene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Benzo(b)fluoranthene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Benzo(g,h,i)perylene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
PS-5 1-1.5	PS-5 1-1.5	8270	Benzo(k)fluoranthene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Benzoic Acid	850	µg/kg	U	850	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Benzyl alcohol	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	bis(2-Chloroethoxy)methane	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	bis(2-Chloroethyl)ether	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	bis(2-Chloroisopropyl) ether	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	bis(2-Ethylhexyl)phthalate	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Butylbenzylphthalate	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Chrysene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Dibenzo(a,h)anthracene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Dibenzofuran	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Diethylphthalate	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Dimethyl phthalate	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Di-n-butyl phthalate	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Di-n-octyl phthalate	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Fluoranthene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Fluorene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Hexachlorobenzene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Hexachlorobutadiene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Hexachlorocyclopentadiene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Hexachloroethane	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Indeno(1,2,3-cd)pyrene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Isophorone	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Naphthalene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Nitrobenzene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	N-nitrosodimethylamine	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	N-nitrosodi-n-propylamine	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	N-nitrosodiphenylamine	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Pentachlorophenol	850	µg/kg	U	850	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Phenanthrene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Phenol	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 1-1.5	PS-5 1-1.5	8270	Pyrene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-10	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	6010	Antimony	3	mg/kg	UJ	3	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	6010	Barium	59.3	mg/kg			Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	6010	Beryllium	0.5	mg/kg			Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	6010	Cadmium	0.5	mg/kg	U	0.5	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	6010	Chromium	12.4	mg/kg			Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	6010	Cobalt	4.4	mg/kg			Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	6010	Copper	11.8	mg/kg			Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	6010	Lead	6	mg/kg			Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	6010	Molybdenum	1	mg/kg	U	1	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	6010	Nickel	7.1	mg/kg			Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	6010	Silver	1	mg/kg	U	1	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	6010	Vanadium	24.1	mg/kg			Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	6010	Zinc	42.2	mg/kg			Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	7060	Arsenic	3.7	mg/kg			Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	7471	Mercury	0.25	mg/kg	U	0.25	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	7740	Selenium	1	mg/kg	U	1	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	7841	Thallium	1	mg/kg	U	1	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200MT13	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	1,1,1-Trichloroethane	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	1,1,2,2-Tetrachloroethane	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	1,1,2-Trichloroethane	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	1,1-Dichloroethane	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	1,1-Dichloroethene	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	1,2-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	1,2-Dichloroethane	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	1,2-Dichloroethene (total)	50	µg/kg	UJ	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	1,2-Dichloropropane	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	1,3-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	1,4-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	2-Butanone	1000	µg/kg	U	1000	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	2-Hexanone	500	µg/kg	U	500	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	4-Methyl-2-pentanone	500	µg/kg	U	500	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	Acetone	1000	µg/kg	U	1000	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	Benzene	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	Bromodichloromethane	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	Bromoform	300	µg/kg	U	300	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	Bromomethane	500	µg/kg	U	500	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	Carbon disulfide	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	Carbon tetrachloride	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	Chlorobenzene	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	Chloroethane	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	Chloroform	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	Chloromethane	500	µg/kg	U	500	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	cis-1,3-Dichloropropene	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	Dibromochloromethane	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	Ethylbenzene	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	Methylene chloride	300	µg/kg	U	300	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	Styrene	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	Tetrachloroethene	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	Toluene	100	µg/kg	U	100	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	trans-1,3-Dichloropropene	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	Trichloroethene	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	Vinyl acetate	500	µg/kg	U	500	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	Vinyl chloride	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8240	Xylenes (total)	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-11	T200VO8	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	1,2,4-Trichlorobenzene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	1,2-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	no	duplicate result of method 8260
PS-5 2-2.5	PS-5 2-2.5	8270	1,3-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	no	duplicate result of method 8260
PS-5 2-2.5	PS-5 2-2.5	8270	1,4-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	no	duplicate result of method 8260
PS-5 2-2.5	PS-5 2-2.5	8270	2,4,5-Trichlorophenol	850	µg/kg	U	850	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	2,4,6-Trichlorophenol	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	2,4-Dichlorophenol	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	2,4-Dimethylphenol	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
PS-5 2-2.5	PS-5 2-2.5	8270	2,4-Dinitrophenol	850	µg/kg	U	850	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	2,4-Dinitrotoluene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	2,6-Dinitrotoluene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	2-Chloronaphthalene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	2-Chlorophenol	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	2-Methylnaphthalene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	2-Methylphenol	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	2-Nitroaniline	850	µg/kg	U	850	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	2-Nitrophenol	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	3,3'-Dichlorobenzidine	340	µg/kg	U	340	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	3-Nitroaniline	850	µg/kg	U	850	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	4,6-Dinitro-2-methylphenol	850	µg/kg	U	850	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	4-Bromophenyl phenyl ether	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	4-Chloro-3-methylphenol	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	4-Chloroaniline	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	4-Chlorophenyl phenyl ether	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	4-Methylphenol	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	4-Nitroaniline	850	µg/kg	U	850	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	4-Nitrophenol	850	µg/kg	U	850	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Acenaphthene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Acenaphthylene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Aniline	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Anthracene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Benzidine	1700	µg/kg	U	1700	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Benzo(a)anthracene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Benzo(a)pyrene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Benzo(b)fluoranthene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Benzo(g,h,i)perylene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Benzo(k)fluoranthene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Benzoic Acid	850	µg/kg	U	850	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Benzyl alcohol	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	bis(2-Chloroethoxy)methane	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	bis(2-Chloroethyl)ether	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	bis(2-Chloroisopropyl) ether	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	bis(2-Ethylhexyl)phthalate	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Butylbenzylphthalate	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Chrysene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Dibenzo(a,h)anthracene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Dibenzofuran	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Diethylphthalate	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Dimethyl phthalate	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Di-n-butyl phthalate	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Di-n-octyl phthalate	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Fluoranthene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Fluorene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Hexachlorobenzene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Hexachlorobutadiene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Hexachlorocyclopentadiene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Hexachloroethane	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Indeno(1,2,3-cd)pyrene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Isophorone	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Naphthalene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Nitrobenzene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	N-nitrosodimethylamine	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	N-nitrosodi-n-propylamine	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	N-nitrosodiphenylamine	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Pentachlorophenol	850	µg/kg	U	850	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Phenanthrene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Phenol	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-5 2-2.5	PS-5 2-2.5	8270	Pyrene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-11	T200SV6	268591.5625	1786609.75	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	6010	Antimony	3	mg/kg	UJ	3	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	6010	Barium	107	mg/kg			Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	6010	Beryllium	0.9	mg/kg			Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	6010	Cadmium	0.5	mg/kg	U	0.5	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	6010	Chromium	24.7	mg/kg			Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	6010	Cobalt	7	mg/kg			Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	6010	Copper	51.8	mg/kg			Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	6010	Lead	36.9	mg/kg			Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	6010	Molybdenum	1	mg/kg	U	1	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	6010	Nickel	13.8	mg/kg			Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	6010	Silver	1	mg/kg	U	1	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	6010	Vanadium	39.8	mg/kg			Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	6010	Zinc	326	mg/kg			Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	7060	Arsenic	3.6	mg/kg			Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	7471	Mercury	1.3	mg/kg			Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	7740	Selenium	1	mg/kg	U	1	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	7841	Thallium	1	mg/kg	U	1	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	1,1,1-Trichloroethane	50	µg/kg	UJ	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	1,1,2,2-Tetrachloroethane	50	µg/kg	UJ	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	1,1,2-Trichloroethane	50	µg/kg	UJ	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	1,1-Dichloroethane	50	µg/kg	UJ	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	1,1-Dichloroethene	50	µg/kg	UJ	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	1,2-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	1,2-Dichloroethane	50	µg/kg	UJ	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	1,2-Dichloroethene (total)	50	µg/kg	UJ	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	1,2-Dichloropropane	50	µg/kg	UJ	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	1,3-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	1,4-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	2-Butanone	1000	µg/kg	UJ	1000	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	2-Hexanone	500	µg/kg	UJ	500	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	4-Methyl-2-pentanone	500	µg/kg	UJ	500	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	Acetone	1000	µg/kg	UJ	1000	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	Benzene	50	µg/kg	UJ	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	Bromodichloromethane	50	µg/kg	UJ	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
PS-6 0-.5	PS-6 0-.5	8240	Bromoform	300	µg/kg	UJ	300	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	Bromomethane	500	µg/kg	UJ	500	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	Carbon disulfide	50	µg/kg	UJ	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	Carbon tetrachloride	50	µg/kg	UJ	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	Chlorobenzene	50	µg/kg	UJ	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	Chloroethane	50	µg/kg	UJ	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	Chloroform	50	µg/kg	UJ	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	Chloromethane	500	µg/kg	UJ	500	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	cis-1,3-Dichloropropene	50	µg/kg	UJ	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	Dibromochloromethane	50	µg/kg	UJ	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	Ethylbenzene	50	µg/kg	UJ	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	Methylene chloride	300	µg/kg	UJ	300	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	Styrene	50	µg/kg	UJ	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	Tetrachloroethene	50	µg/kg	UJ	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	Toluene	100	µg/kg	UJ	100	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	trans-1,3-Dichloropropene	50	µg/kg	UJ	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	Trichloroethene	50	µg/kg	UJ	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	Vinyl acetate	500	µg/kg	UJ	500	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	Vinyl chloride	50	µg/kg	UJ	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8240	Xylenes (total)	50	µg/kg	UJ	50	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		ATI	005265-12	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	1,2,4-Trichlorobenzene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	1,2-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	no	duplicate result of method 8260
PS-6 0-.5	PS-6 0-.5	8270	1,3-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	no	duplicate result of method 8260
PS-6 0-.5	PS-6 0-.5	8270	1,4-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	no	duplicate result of method 8260
PS-6 0-.5	PS-6 0-.5	8270	2,4,5-Trichlorophenol	850	µg/kg	U	850	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	2,4,6-Trichlorophenol	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	2,4-Dichlorophenol	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	2,4-Dimethylphenol	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	2,4-Dinitrophenol	850	µg/kg	U	850	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	2,4-Dinitrotoluene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	2,6-Dinitrotoluene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	2-Chloronaphthalene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	2-Chlorophenol	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	2-Methylnaphthalene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	2-Methylphenol	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	2-Nitroaniline	850	µg/kg	U	850	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	2-Nitrophenol	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	3,3'-Dichlorobenzidine	340	µg/kg	U	340	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	3-Nitroaniline	850	µg/kg	U	850	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	4,6-Dinitro-2-methylphenol	850	µg/kg	U	850	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	4-Bromophenyl phenyl ether	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	4-Chloro-3-methylphenol	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	4-Chloroaniline	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	4-Chlorophenyl phenyl ether	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	4-Methylphenol	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	4-Nitroaniline	850	µg/kg	U	850	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	4-Nitrophenol	850	µg/kg	U	850	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Acenaphthene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Acenaphthylene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Aniline	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Anthracene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Benzidine	1700	µg/kg	U	1700	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Benzo(a)anthracene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Benzo(a)pyrene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Benzo(b)fluoranthene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Benzo(g,h,i)perylene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Benzo(k)fluoranthene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Benzoic Acid	850	µg/kg	U	850	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Benzyl alcohol	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	bis(2-Chloroethoxy)methane	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	bis(2-Chloroethyl)ether	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	bis(2-Chloroisopropyl) ether	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	bis(2-Ethylhexyl)phthalate	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Butylbenzylphthalate	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Chrysene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Dibenzo(a,h)anthracene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Dibenzofuran	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Diethylphthalate	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Dimethyl phthalate	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Di-n-butyl phthalate	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Di-n-octyl phthalate	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Fluoranthene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Fluorene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Hexachlorobenzene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Hexachlorobutadiene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Hexachlorocyclopentadiene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Hexachloroethane	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Indeno(1,2,3-cd)pyrene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Isophorone	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Naphthalene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Nitrobenzene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	N-nitrosodimethylamine	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	N-nitrosodi-n-propylamine	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	N-nitrosodiphenylamine	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Pentachlorophenol	850	µg/kg	U	850	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Phenanthrene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Phenol	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 0-.5	PS-6 0-.5	8270	Pyrene	170	µg/kg	U	170	Sediment	5/16/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-12	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	6010	Antimony	3	mg/kg	UJ	3	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	6010	Barium	66.5	mg/kg			Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	6010	Beryllium	0.5	mg/kg	U	0.5	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	6010	Cadmium	0.5	mg/kg	U	0.5	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	6010	Chromium	15.1	mg/kg			Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	6010	Cobalt	4.4	mg/kg			Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
PS-6 1-1.5	PS-6 1-1.5	6010	Copper	9.4	mg/kg			Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	6010	Lead	6	mg/kg			Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	6010	Molybdenum	1	mg/kg	U	1	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	6010	Nickel	7.3	mg/kg			Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	6010	Silver	1	mg/kg	U	1	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	6010	Vanadium	24.7	mg/kg			Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	6010	Zinc	44.7	mg/kg			Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	7060	Arsenic	2.1	mg/kg			Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	7471	Mercury	0.25	mg/kg	U	0.25	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	7740	Selenium	1	mg/kg	U	1	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	7841	Thallium	1	mg/kg	U	1	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	1,1,1-Trichloroethane	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	1,1,2,2-Tetrachloroethane	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	1,1,2-Trichloroethane	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	1,1-Dichloroethane	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	1,1-Dichloroethene	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	1,2-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	1,2-Dichloroethane	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	1,2-Dichloroethene (total)	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	1,2-Dichloropropane	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	1,3-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	1,4-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	2-Butanone	1000	µg/kg	U	1000	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	2-Hexanone	500	µg/kg	U	500	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	4-Methyl-2-pentanone	500	µg/kg	U	500	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	Acetone	1000	µg/kg	U	1000	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	Benzene	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	Bromodichloromethane	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	Bromoform	300	µg/kg	U	300	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	Bromomethane	500	µg/kg	U	500	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	Carbon disulfide	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	Carbon tetrachloride	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	Chlorobenzene	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	Chloroethane	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	Chloroform	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	Chloromethane	500	µg/kg	U	500	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	cis-1,3-Dichloropropene	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	Dibromochloromethane	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	Ethylbenzene	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	Methylene chloride	300	µg/kg	U	300	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	Styrene	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	Tetrachloroethene	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	Toluene	100	µg/kg	U	100	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	trans-1,3-Dichloropropene	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	Trichloroethene	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	Vinyl acetate	500	µg/kg	U	500	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	Vinyl chloride	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8240	Xylenes (total)	50	µg/kg	U	50	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		ATI	005265-13	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	1,2,4-Trichlorobenzene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	1,2-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	no	duplicate result of method 8260
PS-6 1-1.5	PS-6 1-1.5	8270	1,3-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	no	duplicate result of method 8260
PS-6 1-1.5	PS-6 1-1.5	8270	1,4-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	no	duplicate result of method 8260
PS-6 1-1.5	PS-6 1-1.5	8270	2,4,5-Trichlorophenol	850	µg/kg	U	850	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	2,4,6-Trichlorophenol	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	2,4-Dichlorophenol	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	2,4-Dimethylphenol	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	2,4-Dinitrophenol	850	µg/kg	U	850	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	2,4-Dinitrotoluene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	2,6-Dinitrotoluene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	2-Chloronaphthalene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	2-Chlorophenol	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	2-Methylnaphthalene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	2-Methylphenol	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	2-Nitroaniline	850	µg/kg	U	850	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	2-Nitrophenol	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	3,3'-Dichlorobenzidine	340	µg/kg	U	340	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	3-Nitroaniline	850	µg/kg	U	850	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	4,6-Dinitro-2-methylphenol	850	µg/kg	U	850	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	4-Bromophenyl phenyl ether	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	4-Chloro-3-methylphenol	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	4-Chloroaniline	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	4-Chlorophenyl phenyl ether	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	4-Methylphenol	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	4-Nitroaniline	850	µg/kg	U	850	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	4-Nitrophenol	850	µg/kg	U	850	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Acenaphthene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Acenaphthylene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Aniline	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Anthracene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Benzidine	1700	µg/kg	U	1700	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Benzo(a)anthracene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Benzo(a)pyrene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Benzo(b)fluoranthene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Benzo(g,h,i)perylene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Benzo(k)fluoranthene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Benzoic Acid	850	µg/kg	U	850	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Benzyl alcohol	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	bis(2-Chloroethoxy)methane	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	bis(2-Chloroethyl)ether	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	bis(2-Chloroisopropyl) ether	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	bis(2-Ethylhexyl)phthalate	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Butylbenzylphthalate	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Chrysene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Dibenzo(a,h)anthracene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
PS-6 1-1.5	PS-6 1-1.5	8270	Dibenzofuran	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Diethylphthalate	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Dimethyl phthalate	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Di-n-butyl phthalate	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Di-n-octyl phthalate	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Fluoranthene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Fluorene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Hexachlorobenzene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Hexachlorobutadiene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Hexachlorocyclopentadiene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Hexachloroethane	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Indeno(1,2,3-cd)pyrene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Isophorone	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Naphthalene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Nitrobenzene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	N-nitrosodimethylamine	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	N-nitrosodi-n-propylamine	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	N-nitrosodiphenylamine	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Pentachlorophenol	850	µg/kg	U	850	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Phenanthrene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Phenol	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 1-1.5	PS-6 1-1.5	8270	Pyrene	170	µg/kg	U	170	Sediment	5/16/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-13	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	6010	Antimony	3	mg/kg	UJ	3	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	6010	Barium	56.3	mg/kg			Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	6010	Beryllium	0.5	mg/kg	U	0.5	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	6010	Cadmium	0.5	mg/kg	U	0.5	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	6010	Chromium	13.4	mg/kg			Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	6010	Cobalt	4.3	mg/kg			Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	6010	Copper	15.3	mg/kg			Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	6010	Lead	7.7	mg/kg			Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	6010	Molybdenum	1	mg/kg	U	1	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	6010	Nickel	6.8	mg/kg			Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	6010	Silver	1	mg/kg	U	1	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	6010	Vanadium	22.2	mg/kg			Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	6010	Zinc	56.1	mg/kg			Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	7060	Arsenic	1.7	mg/kg			Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	7471	Mercury	0.25	mg/kg	U	0.25	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	7740	Selenium	1	mg/kg	U	1	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	7841	Thallium	1	mg/kg	U	1	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200MT13	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	1,1,1-Trichloroethane	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	1,1,2,2-Tetrachloroethane	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	1,1,2-Trichloroethane	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	1,1-Dichloroethane	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	1,1-Dichloroethene	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	1,2-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	1,2-Dichloroethane	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	1,2-Dichloroethene (total)	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	1,2-Dichloropropane	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	1,3-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	1,4-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	2-Butanone	1000	µg/kg	U	1000	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	2-Hexanone	500	µg/kg	U	500	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	4-Methyl-2-pentanone	500	µg/kg	U	500	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	Acetone	1000	µg/kg	U	1000	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	Benzene	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	Bromodichloromethane	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	Bromoform	300	µg/kg	U	300	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	Bromomethane	500	µg/kg	U	500	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	Carbon disulfide	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	Carbon tetrachloride	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	Chlorobenzene	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	Chloroethane	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	Chloroform	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	Chloromethane	500	µg/kg	U	500	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	cis-1,3-Dichloropropene	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	Dibromochloromethane	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	Ethylbenzene	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	Methylene chloride	300	µg/kg	U	300	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	Styrene	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	Tetrachloroethene	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	Toluene	100	µg/kg	U	100	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	trans-1,3-Dichloropropene	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	Trichloroethene	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	Vinyl acetate	500	µg/kg	U	500	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	Vinyl chloride	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8240	Xylenes (total)	50	µg/kg	U	50	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		ATI	005265-14	T200VO8	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	1,2,4-Trichlorobenzene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	1,2-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	no	duplicate result of method 8260
PS-6 2-2.5	PS-6 2-2.5	8270	1,3-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	no	duplicate result of method 8260
PS-6 2-2.5	PS-6 2-2.5	8270	1,4-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	no	duplicate result of method 8260
PS-6 2-2.5	PS-6 2-2.5	8270	2,4,5-Trichlorophenol	850	µg/kg	U	850	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	2,4,6-Trichlorophenol	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	2,4-Dichlorophenol	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	2,4-Dimethylphenol	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	2,4-Dinitrophenol	850	µg/kg	U	850	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	2,4-Dinitrotoluene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	2,6-Dinitrotoluene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	2-Chloronaphthalene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	2-Chlorophenol	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	2-Methylnaphthalene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	2-Methylphenol	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	2-Nitroaniline	850	µg/kg	U	850	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	2-Nitrophenol	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	3,3'-Dichlorobenzidine	340	µg/kg	U	340	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
PS-6 2-2.5	PS-6 2-2.5	8270	3-Nitroaniline	850	µg/kg	U	850	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	4,6-Dinitro-2-methylphenol	850	µg/kg	U	850	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	4-Bromophenyl phenyl ether	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	4-Chloro-3-methylphenol	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	4-Chloroaniline	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	4-Chlorophenyl phenyl ether	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	4-Methylphenol	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	4-Nitroaniline	850	µg/kg	U	850	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	4-Nitrophenol	850	µg/kg	U	850	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Acenaphthene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Acenaphthylene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Aniline	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Anthracene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Benzidine	1700	µg/kg	U	1700	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Benzo(a)anthracene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Benzo(a)pyrene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Benzo(b)fluoranthene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Benzo(g,h,i)perylene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Benzo(k)fluoranthene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Benzoic Acid	850	µg/kg	U	850	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Benzyl alcohol	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	bis(2-Chloroethoxy)methane	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	bis(2-Chloroethyl)ether	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	bis(2-Chloroisopropyl) ether	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	bis(2-Ethylhexyl)phthalate	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Butylbenzylphthalate	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Chrysene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Dibenzo(a,h)anthracene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Dibenzofuran	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Diethylphthalate	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Dimethyl phthalate	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Di-n-butyl phthalate	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Di-n-octyl phthalate	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Fluoranthene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Fluorene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Hexachlorobenzene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Hexachlorobutadiene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Hexachlorocyclopentadiene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Hexachloroethane	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Indeno(1,2,3-cd)pyrene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Isophorone	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Naphthalene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Nitrobenzene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	N-nitrosodimethylamine	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	N-nitrosodi-n-propylamine	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	N-nitrosodiphenylamine	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Pentachlorophenol	850	µg/kg	U	850	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Phenanthrene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Phenol	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-6 2-2.5	PS-6 2-2.5	8270	Pyrene	170	µg/kg	U	170	Sediment	5/16/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005265-14	T200SV6	268569.625	1786630.25	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	6010	Antimony	3	mg/kg	UJ	3	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	6010	Barium	71.2	mg/kg			Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	6010	Beryllium	0.5	mg/kg	U	0.5	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	6010	Cadmium	4.6	mg/kg			Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	6010	Chromium	25	mg/kg			Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	6010	Cobalt	5.5	mg/kg			Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	6010	Copper	46	mg/kg			Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	6010	Lead	89.6	mg/kg	J		Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	6010	Molybdenum	1	mg/kg	U	1	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	6010	Nickel	17.3	mg/kg			Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	6010	Silver	1	mg/kg	U	1	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	6010	Vanadium	19.3	mg/kg			Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	6010	Zinc	1460	mg/kg	J		Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	7060	Arsenic	3	mg/kg			Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	7471	Mercury	1.3	mg/kg			Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	7740	Selenium	1	mg/kg	U	1	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	7841	Thallium	1	mg/kg	U	1	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	1,1,1-Trichloroethane	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	1,1,2,2-Tetrachloroethane	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	1,1,2-Trichloroethane	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	1,1-Dichloroethane	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	1,1-Dichloroethene	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	1,2-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	1,2-Dichloroethane	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	1,2-Dichloroethene (total)	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	1,2-Dichloropropane	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	1,3-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	1,4-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	2-Butanone	1000	µg/kg	U	1000	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	2-Hexanone	500	µg/kg	U	500	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	4-Methyl-2-pentanone	500	µg/kg	U	500	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	Acetone	1000	µg/kg	U	1000	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	Benzene	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	Bromodichloromethane	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	Bromoform	300	µg/kg	U	300	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	Bromomethane	500	µg/kg	U	500	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	Carbon disulfide	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	Carbon tetrachloride	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	Chlorobenzene	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	Chloroethane	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	Chloroform	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	Chloromethane	500	µg/kg	U	500	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	cis-1,3-Dichloropropene	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	Dibromochloromethane	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
PS-7 0-.5	PS-7 0-.5	8240	Ethylbenzene	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	Methylene chloride	300	µg/kg	U	300	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	Styrene	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	Tetrachloroethene	100	µg/kg			Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	Toluene	420	µg/kg			Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	trans-1,3-Dichloropropene	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	Trichloroethene	130	µg/kg			Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	Vinyl acetate	500	µg/kg	U	500	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	Vinyl chloride	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8240	Xylenes (total)	80	µg/kg			Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-01	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	1,2,4-Trichlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	1,2-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	no	duplicate result of method 8260
PS-7 0-.5	PS-7 0-.5	8270	1,3-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	no	duplicate result of method 8260
PS-7 0-.5	PS-7 0-.5	8270	1,4-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	no	duplicate result of method 8260
PS-7 0-.5	PS-7 0-.5	8270	2,4,5-Trichlorophenol	850	µg/kg	U	850	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	2,4,6-Trichlorophenol	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	2,4-Dichlorophenol	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	2,4-Dimethylphenol	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	2,4-Dinitrophenol	850	µg/kg	U	850	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	2,4-Dinitrotoluene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	2,6-Dinitrotoluene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	2-Chloronaphthalene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	2-Chlorophenol	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	2-Methylnaphthalene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	2-Methylphenol	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	2-Nitroaniline	850	µg/kg	U	850	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	2-Nitrophenol	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	3,3'-Dichlorobenzidine	340	µg/kg	U	340	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	3-Nitroaniline	850	µg/kg	U	850	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	4,6-Dinitro-2-methylphenol	850	µg/kg	U	850	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	4-Bromophenyl phenyl ether	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	4-Chloro-3-methylphenol	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	4-Chloroaniline	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	4-Chlorophenyl phenyl ether	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	4-Methylphenol	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	4-Nitroaniline	850	µg/kg	U	850	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	4-Nitrophenol	850	µg/kg	U	850	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Acenaphthene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Acenaphthylene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Aniline	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Anthracene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Benzidine	1700	µg/kg	U	1700	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Benzo(a)anthracene	240	µg/kg			Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Benzo(a)pyrene	240	µg/kg			Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Benzo(b)fluoranthene	540	µg/kg			Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Benzo(g,h,i)perylene	230	µg/kg			Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Benzo(k)fluoranthene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Benzoic Acid	850	µg/kg	U	850	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Benzyl alcohol	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	bis(2-Chloroethoxy)methane	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	bis(2-Chloroethyl)ether	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	bis(2-Chloroisopropyl) ether	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	bis(2-Ethylhexyl)phthalate	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Butylbenzylphthalate	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Chrysene	420	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Dibenzo(a,h)anthracene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Dibenzofuran	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Diethylphthalate	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Dimethyl phthalate	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Di-n-butyl phthalate	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Di-n-octyl phthalate	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Fluoranthene	800	µg/kg			Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Fluorene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Hexachlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Hexachlorobutadiene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Hexachlorocyclopentadiene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Hexachloroethane	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Indeno(1,2,3-cd)pyrene	200	µg/kg			Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Isophorone	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Naphthalene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Nitrobenzene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	N-nitrosodimethylamine	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	N-nitrosodi-n-propylamine	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	N-nitrosodiphenylamine	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Pentachlorophenol	850	µg/kg	U	850	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Phenanthrene	280	µg/kg			Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Phenol	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 0-.5	PS-7 0-.5	8270	Pyrene	590	µg/kg			Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-01	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	6010	Antimony	3	mg/kg	UJ	3	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	6010	Barium	45.6	mg/kg			Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	6010	Beryllium	0.5	mg/kg	U	0.5	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	6010	Cadmium	0.5	mg/kg	U	0.5	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	6010	Chromium	9	mg/kg			Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	6010	Cobalt	4.2	mg/kg			Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	6010	Copper	8.7	mg/kg			Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	6010	Lead	7.2	mg/kg	J		Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	6010	Molybdenum	1	mg/kg	U	1	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	6010	Nickel	5.9	mg/kg			Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	6010	Silver	1	mg/kg	U	1	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	6010	Vanadium	18	mg/kg			Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	6010	Zinc	66	mg/kg	J		Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	7060	Arsenic	1.7	mg/kg			Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	7471	Mercury	0.25	mg/kg	U	0.25	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	7740	Selenium	1	mg/kg	U	1	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
PS-7 1-1.5	PS-7 1-1.5	7841	Thallium	1	mg/kg	U	1	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	1,1,1-Trichloroethane	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	1,1,2,2-Tetrachloroethane	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	1,1,2-Trichloroethane	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	1,1-Dichloroethane	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	1,1-Dichloroethene	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	1,2-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	1,2-Dichloroethane	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	1,2-Dichloroethene (total)	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	1,2-Dichloropropane	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	1,3-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	1,4-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	2-Butanone	1000	µg/kg	U	1000	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	2-Hexanone	500	µg/kg	U	500	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	4-Methyl-2-pentanone	500	µg/kg	U	500	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	Acetone	1000	µg/kg	U	1000	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	Benzene	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	Bromodichloromethane	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	Bromoform	300	µg/kg	U	300	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	Bromomethane	500	µg/kg	U	500	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	Carbon disulfide	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	Carbon tetrachloride	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	Chlorobenzene	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	Chloroethane	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	Chloroform	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	Chloromethane	500	µg/kg	U	500	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	cis-1,3-Dichloropropene	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	Dibromochloromethane	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	Ethylbenzene	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	Methylene chloride	300	µg/kg	U	300	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	Styrene	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	Tetrachloroethene	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	Toluene	100	µg/kg	U	100	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	trans-1,3-Dichloropropene	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	Trichloroethene	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	Vinyl acetate	500	µg/kg	U	500	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	Vinyl chloride	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8240	Xylenes (total)	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-02	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	1,2,4-Trichlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	1,2-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	no	duplicate result of method 8260
PS-7 1-1.5	PS-7 1-1.5	8270	1,3-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	no	duplicate result of method 8260
PS-7 1-1.5	PS-7 1-1.5	8270	1,4-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	no	duplicate result of method 8260
PS-7 1-1.5	PS-7 1-1.5	8270	2,4,5-Trichlorophenol	850	µg/kg	U	850	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	2,4,6-Trichlorophenol	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	2,4-Dichlorophenol	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	2,4-Dimethylphenol	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	2,4-Dinitrophenol	850	µg/kg	U	850	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	2,4-Dinitrotoluene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	2,6-Dinitrotoluene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	2-Chloronaphthalene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	2-Chlorophenol	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	2-Methylnaphthalene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	2-Methylphenol	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	2-Nitroaniline	850	µg/kg	U	850	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	2-Nitrophenol	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	3,3-Dichlorobenzidine	340	µg/kg	U	340	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	3-Nitroaniline	850	µg/kg	U	850	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	4,6-Dinitro-2-methylphenol	850	µg/kg	U	850	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	4-Bromophenyl phenyl ether	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	4-Chloro-3-methylphenol	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	4-Chloroaniline	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	4-Chlorophenyl phenyl ether	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	4-Methylphenol	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	4-Nitroaniline	850	µg/kg	U	850	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	4-Nitrophenol	850	µg/kg	U	850	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Acenaphthene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Acenaphthylene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Aniline	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Anthracene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Benzidine	1700	µg/kg	U	1700	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Benzo(a)anthracene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Benzo(a)pyrene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Benzo(b)fluoranthene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Benzo(g,h,i)perylene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Benzo(k)fluoranthene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Benzoic Acid	850	µg/kg	U	850	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Benzyl alcohol	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	bis(2-Chloroethoxy)methane	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	bis(2-Chloroethyl)ether	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	bis(2-Chloroisopropyl) ether	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	bis(2-Ethylhexyl)phthalate	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Butylbenzylphthalate	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Chrysene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Dibenzo(a,h)anthracene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Dibenzofuran	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Diethylphthalate	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Dimethyl phthalate	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Di-n-butyl phthalate	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Di-n-octyl phthalate	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Fluoranthene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Fluorene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Hexachlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Hexachlorobutadiene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Hexachlorocyclopentadiene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
PS-7 1-1.5	PS-7 1-1.5	8270	Hexachloroethane	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Indeno(1,2,3-cd)pyrene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Isophorone	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Naphthalene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Nitrobenzene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	N-nitrosodimethylamine	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	N-nitrosodi-n-propylamine	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	N-nitrosodiphenylamine	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Pentachlorophenol	850	µg/kg	U	850	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Phenanthrene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Phenol	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 1-1.5	PS-7 1-1.5	8270	Pyrene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-02	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	6010	Antimony	3	mg/kg	UJ	3	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	6010	Barium	59.8	mg/kg			Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	6010	Beryllium	0.5	mg/kg			Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	6010	Cadmium	0.5	mg/kg	U	0.5	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	6010	Chromium	13.7	mg/kg			Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	6010	Cobalt	4.7	mg/kg			Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	6010	Copper	15.5	mg/kg			Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	6010	Lead	10.1	mg/kg	J		Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	6010	Molybdenum	1	mg/kg	U	1	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	6010	Nickel	8.5	mg/kg			Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	6010	Silver	1	mg/kg	U	1	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	6010	Vanadium	23.9	mg/kg			Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	6010	Zinc	90.8	mg/kg	J		Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	7060	Arsenic	1.7	mg/kg			Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	7471	Mercury	0.3	mg/kg			Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	7740	Selenium	1	mg/kg	U	1	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	7841	Thallium	1	mg/kg	U	1	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	1,1,1-Trichloroethane	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	1,1,2,2-Tetrachloroethane	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	1,1,2-Trichloroethane	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	1,1-Dichloroethane	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	1,1-Dichloroethene	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	1,2-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	1,2-Dichloroethane	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	1,2-Dichloroethene (total)	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	1,2-Dichloropropane	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	1,3-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	1,4-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	2-Butanone	1000	µg/kg	U	1000	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	2-Hexanone	500	µg/kg	U	500	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	4-Methyl-2-pentanone	500	µg/kg	U	500	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	Acetone	1000	µg/kg	U	1000	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	Benzene	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	Bromodichloromethane	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	Bromoform	300	µg/kg	U	300	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	Bromomethane	500	µg/kg	U	500	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	Carbon disulfide	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	Carbon tetrachloride	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	Chlorobenzene	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	Chloroethane	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	Chloroform	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	Chloromethane	500	µg/kg	U	500	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	cis-1,3-Dichloropropene	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	Dibromochloromethane	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	Ethylbenzene	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	Methylene chloride	300	µg/kg	U	300	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	Styrene	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	Tetrachloroethene	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	Toluene	100	µg/kg	U	100	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	trans-1,3-Dichloropropene	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	Trichloroethene	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	Vinyl acetate	500	µg/kg	U	500	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	Vinyl chloride	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8240	Xylenes (total)	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-03	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	1,2,4-Trichlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	1,2-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	no	duplicate result of method 8260
PS-7 2-2.5	PS-7 2-2.5	8270	1,3-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	no	duplicate result of method 8260
PS-7 2-2.5	PS-7 2-2.5	8270	1,4-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	no	duplicate result of method 8260
PS-7 2-2.5	PS-7 2-2.5	8270	2,4,5-Trichlorophenol	850	µg/kg	U	850	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	2,4,6-Trichlorophenol	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	2,4-Dichlorophenol	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	2,4-Dimethylphenol	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	2,4-Dinitrophenol	850	µg/kg	U	850	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	2,4-Dinitrotoluene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	2,6-Dinitrotoluene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	2-Chloronaphthalene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	2-Chlorophenol	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	2-Methylnaphthalene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	2-Methylphenol	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	2-Nitroaniline	850	µg/kg	U	850	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	2-Nitrophenol	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	3,3'-Dichlorobenzidine	340	µg/kg	U	340	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	3-Nitroaniline	850	µg/kg	U	850	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	4,6-Dinitro-2-methylphenol	850	µg/kg	U	850	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	4-Bromophenyl phenyl ether	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	4-Chloro-3-methylphenol	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	4-Chloroaniline	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	4-Chlorophenyl phenyl ether	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	4-Methylphenol	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	4-Nitroaniline	850	µg/kg	U	850	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	4-Nitrophenol	850	µg/kg	U	850	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Acenaphthene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
PS-7 2-2.5	PS-7 2-2.5	8270	Acenaphthylene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Aniline	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Anthracene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Benzidine	1700	µg/kg	U	1700	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Benzo(a)anthracene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Benzo(a)pyrene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Benzo(b)fluoranthene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Benzo(g,h,i)perylene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Benzo(k)fluoranthene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Benzoic Acid	850	µg/kg	U	850	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Benzyl alcohol	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	bis(2-Chloroethoxy)methane	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	bis(2-Chloroethyl)ether	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	bis(2-Chloroisopropyl) ether	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	bis(2-Ethylhexyl)phthalate	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Butylbenzylphthalate	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Chrysene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Dibenzo(a,h)anthracene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Dibenzofuran	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Diethylphthalate	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Dimethyl phthalate	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Di-n-butyl phthalate	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Di-n-octyl phthalate	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Fluoranthene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Fluorene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Hexachlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Hexachlorobutadiene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Hexachlorocyclopentadiene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Hexachloroethane	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Indeno(1,2,3-cd)pyrene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Isophorone	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Naphthalene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Nitrobenzene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	N-nitrosodimethylamine	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	N-nitrosodi-n-propylamine	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	N-nitrosodiphenylamine	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Pentachlorophenol	850	µg/kg	U	850	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Phenanthrene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Phenol	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 2-2.5	PS-7 2-2.5	8270	Pyrene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-03	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	6010	Antimony	3	mg/kg	UJ	3	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	6010	Barium	35.2	mg/kg			Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	6010	Beryllium	0.5	mg/kg	U	0.5	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	6010	Cadmium	0.5	mg/kg	U	0.5	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	6010	Chromium	9	mg/kg			Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	6010	Cobalt	4.1	mg/kg		4.1	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	6010	Copper	10.5	mg/kg			Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	6010	Lead	6.8	mg/kg	J		Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	6010	Molybdenum	1	mg/kg	U	1	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	6010	Nickel	6	mg/kg			Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	6010	Silver	1	mg/kg	U	1	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	6010	Vanadium	15.9	mg/kg			Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	6010	Zinc	111	mg/kg	J		Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	7060	Arsenic	1.2	mg/kg			Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	7471	Mercury	0.25	mg/kg	U	0.25	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	7740	Selenium	1	mg/kg	U	1	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	7841	Thallium	1	mg/kg	U	1	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200MT13	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	1,1,1-Trichloroethane	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	1,1,2,2-Tetrachloroethane	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	1,1,2-Trichloroethane	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	1,1-Dichloroethane	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	1,1-Dichloroethene	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	1,2-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	1,2-Dichloroethane	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	1,2-Dichloroethene (total)	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	1,2-Dichloropropane	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	1,3-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	1,4-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	2-Butanone	1000	µg/kg	U	1000	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	2-Hexanone	500	µg/kg	U	500	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	4-Methyl-2-pentanone	500	µg/kg	U	500	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	Acetone	1000	µg/kg	U	1000	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	Benzene	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	Bromodichloromethane	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	Bromoform	300	µg/kg	U	300	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	Bromomethane	500	µg/kg	U	500	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	Carbon disulfide	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	Carbon tetrachloride	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	Chlorobenzene	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	Chloroethane	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	Chloroform	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	Chloromethane	500	µg/kg	U	500	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	cis-1,3-Dichloropropene	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	Dibromochloromethane	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	Ethylbenzene	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	Methylene chloride	300	µg/kg	U	300	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	Styrene	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	Tetrachloroethene	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	Toluene	100	µg/kg	U	100	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	trans-1,3-Dichloropropene	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	Trichloroethene	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	Vinyl acetate	500	µg/kg	U	500	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	Vinyl chloride	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8240	Xylenes (total)	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-04	T200VO8	268526.5313	1786526.375	GRC, July 90	GRC	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
PS-7 3-3.5	PS-7 3-3.5	8270	1,2,4-Trichlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	1,2-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	no	duplicate result of method 8260
PS-7 3-3.5	PS-7 3-3.5	8270	1,3-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	no	duplicate result of method 8260
PS-7 3-3.5	PS-7 3-3.5	8270	1,4-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	no	duplicate result of method 8260
PS-7 3-3.5	PS-7 3-3.5	8270	2,4,5-Trichlorophenol	850	µg/kg	U	850	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	2,4,6-Trichlorophenol	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	2,4-Dichlorophenol	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	2,4-Dimethylphenol	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	2,4-Dinitrophenol	850	µg/kg	U	850	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	2,4-Dinitrotoluene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	2,6-Dinitrotoluene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	2-Chloronaphthalene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	2-Chlorophenol	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	2-Methylnaphthalene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	2-Methylphenol	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	2-Nitroaniline	850	µg/kg	U	850	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	2-Nitrophenol	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	3,3'-Dichlorobenzidine	340	µg/kg	U	340	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	3-Nitroaniline	850	µg/kg	U	850	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	4,6-Dinitro-2-methylphenol	850	µg/kg	U	850	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	4-Bromophenyl phenyl ether	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	4-Chloro-3-methylphenol	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	4-Chloroaniline	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	4-Chlorophenyl phenyl ether	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	4-Methylphenol	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	4-Nitroaniline	850	µg/kg	U	850	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	4-Nitrophenol	850	µg/kg	U	850	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Acenaphthene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Acenaphthylene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Aniline	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Anthracene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Benzidine	1700	µg/kg	U	1700	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Benzo(a)anthracene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Benzo(a)pyrene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Benzo(b)fluoranthene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Benzo(g,h,i)perylene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Benzo(k)fluoranthene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Benzoic Acid	850	µg/kg	U	850	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Benzyl alcohol	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	bis(2-Chloroethoxy)methane	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	bis(2-Chloroethyl)ether	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	bis(2-Chloroisopropyl) ether	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	bis(2-Ethylhexyl)phthalate	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Butylbenzylphthalate	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Chrysene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Dibenzo(a,h)anthracene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Dibenzofuran	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Diethylphthalate	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Dimethyl phthalate	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Di-n-butyl phthalate	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Di-n-octyl phthalate	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Fluoranthene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Fluorene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Hexachlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Hexachlorobutadiene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Hexachlorocyclopentadiene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Hexachloroethane	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Indeno(1,2,3-cd)pyrene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Isophorone	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Naphthalene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Nitrobenzene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	N-nitrosodimethylamine	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	N-nitrosodi-n-propylamine	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	N-nitrosodiphenylamine	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Pentachlorophenol	850	µg/kg	U	850	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Phenanthrene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Phenol	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-7 3-3.5	PS-7 3-3.5	8270	Pyrene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-04	T200SV6	268526.5313	1786526.375	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	6010	Antimony	3	mg/kg	UJ	3	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	6010	Barium	51.6	mg/kg			Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	6010	Beryllium	0.5	mg/kg	U	0.5	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	6010	Cadmium	0.5	mg/kg	U	0.5	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	6010	Chromium	11	mg/kg			Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	6010	Cobalt	5.9	mg/kg			Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	6010	Copper	11	mg/kg			Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	6010	Lead	6.3	mg/kg	J		Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	6010	Molybdenum	1	mg/kg	U	1	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	6010	Nickel	6.2	mg/kg			Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	6010	Silver	1	mg/kg	U	1	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	6010	Vanadium	21.5	mg/kg			Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	6010	Zinc	46.8	mg/kg	J		Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	7060	Arsenic	2.4	mg/kg			Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	7471	Mercury	0.36	mg/kg			Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	7740	Selenium	1	mg/kg	U	1	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	7841	Thallium	1	mg/kg	U	1	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8015	Hydrocarbons	5	mg/kg	U	5	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200TF5	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	1,1,1-Trichloroethane	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	1,1,2,2-Tetrachloroethane	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	1,1,2-Trichloroethane	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	1,1-Dichloroethane	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	1,1-Dichloroethene	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	1,2-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	1,2-Dichloroethane	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	1,2-Dichloroethene (total)	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
PS-8 0-.5	PS-8 0-.5	8240	1,2-Dichloropropane	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	1,3-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	1,4-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	2-Butanone	1000	µg/kg	U	1000	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	2-Hexanone	500	µg/kg	U	500	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	4-Methyl-2-pentanone	500	µg/kg	U	500	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	Acetone	1000	µg/kg	U	1000	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	Benzene	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	Bromodichloromethane	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	Bromoform	300	µg/kg	U	300	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	Bromomethane	500	µg/kg	U	500	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	Carbon disulfide	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	Carbon tetrachloride	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	Chlorobenzene	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	Chloroethane	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	Chloroform	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	Chloromethane	500	µg/kg	U	500	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	cis-1,3-Dichloropropene	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	Dibromochloromethane	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	Ethylbenzene	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	Methylene chloride	300	µg/kg	U	300	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	Styrene	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	Tetrachloroethene	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	Toluene	100	µg/kg	U	100	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	trans-1,3-Dichloropropene	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	Trichloroethene	220	µg/kg			Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	Vinyl acetate	500	µg/kg	U	500	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	Vinyl chloride	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8240	Xylenes (total)	50	µg/kg	U	50	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		ATI	005290-05	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	1,2,4-Trichlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	1,2-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	no	duplicate result of method 8260
PS-8 0-.5	PS-8 0-.5	8270	1,3-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	no	duplicate result of method 8260
PS-8 0-.5	PS-8 0-.5	8270	1,4-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	no	duplicate result of method 8260
PS-8 0-.5	PS-8 0-.5	8270	2,4,5-Trichlorophenol	850	µg/kg	U	850	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	2,4,6-Trichlorophenol	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	2,4-Dichlorophenol	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	2,4-Dimethylphenol	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	2,4-Dinitrophenol	850	µg/kg	U	850	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	2,4-Dinitrotoluene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	2,6-Dinitrotoluene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	2-Chloronaphthalene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	2-Chlorophenol	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	2-Methylnaphthalene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	2-Methylphenol	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	2-Nitroaniline	850	µg/kg	U	850	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	2-Nitrophenol	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	3,3'-Dichlorobenzidine	340	µg/kg	U	340	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	3-Nitroaniline	850	µg/kg	U	850	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	4,6-Dinitro-2-methylphenol	850	µg/kg	U	850	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	4-Bromophenyl phenyl ether	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	4-Chloro-3-methylphenol	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	4-Chloroaniline	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	4-Chlorophenyl phenyl ether	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	4-Methylphenol	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	4-Nitroaniline	850	µg/kg	U	850	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	4-Nitrophenol	850	µg/kg	U	850	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Acenaphthene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Acenaphthylene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Aniline	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Anthracene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Benzidine	1700	µg/kg	U	1700	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Benzo(a)anthracene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Benzo(a)pyrene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Benzo(b)fluoranthene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Benzo(g,h,i)perylene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Benzo(k)fluoranthene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Benzoic Acid	850	µg/kg	U	850	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Benzyl alcohol	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	bis(2-Chloroethoxy)methane	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	bis(2-Chloroethyl)ether	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	bis(2-Chloroisopropyl) ether	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	bis(2-Ethylhexyl)phthalate	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Butylbenzylphthalate	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Chrysene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Dibenzo(a,h)anthracene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Dibenzofuran	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Diethylphthalate	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Dimethyl phthalate	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Di-n-butyl phthalate	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Di-n-octyl phthalate	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Fluoranthene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Fluorene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Hexachlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Hexachlorobutadiene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Hexachlorocyclopentadiene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Hexachloroethane	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Indeno(1,2,3-cd)pyrene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Isophorone	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Naphthalene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Nitrobenzene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	N-nitrosodimethylamine	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	N-nitrosodi-n-propylamine	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	N-nitrosodiphenylamine	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Pentachlorophenol	850	µg/kg	U	850	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
PS-8 0-.5	PS-8 0-.5	8270	Phenanthrene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Phenol	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 0-.5	PS-8 0-.5	8270	Pyrene	170	µg/kg	U	170	Sediment	5/17/1990	0.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-05	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	6010	Antimony	3	mg/kg	UJ	3	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	6010	Barium	40.2	mg/kg			Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	6010	Beryllium	0.5	mg/kg	U	0.5	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	6010	Cadmium	0.5	mg/kg	U	0.5	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	6010	Chromium	8.2	mg/kg			Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	6010	Cobalt	4	mg/kg			Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	6010	Copper	13.1	mg/kg			Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	6010	Lead	5.2	mg/kg	J		Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	6010	Molybdenum	1	mg/kg	U	1	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	6010	Nickel	4.9	mg/kg			Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	6010	Silver	1	mg/kg	U	1	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	6010	Vanadium	17.6	mg/kg			Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	6010	Zinc	37.2	mg/kg	J		Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	7060	Arsenic	1.8	mg/kg			Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	7471	Mercury	0.25	mg/kg	U	0.25	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	7740	Selenium	1	mg/kg	U	1	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	7841	Thallium	1	mg/kg	U	1	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	1,1,1-Trichloroethane	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	1,1,2,2-Tetrachloroethane	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	1,1,2-Trichloroethane	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	1,1-Dichloroethane	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	1,1-Dichloroethene	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	1,2-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	1,2-Dichloroethane	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	1,2-Dichloroethene (total)	120	µg/kg			Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	1,2-Dichloropropane	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	1,3-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	1,4-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	2-Butanone	1000	µg/kg	U	1000	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	2-Hexanone	500	µg/kg	U	500	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	4-Methyl-2-pentanone	500	µg/kg	U	500	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	Acetone	1000	µg/kg	U	1000	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	Benzene	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	Bromodichloromethane	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	Bromoform	300	µg/kg	U	300	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	Bromomethane	500	µg/kg	U	500	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	Carbon disulfide	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	Carbon tetrachloride	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	Chlorobenzene	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	Chloroethane	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	Chloroform	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	Chloromethane	500	µg/kg	U	500	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	cis-1,3-Dichloropropene	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	Dibromochloromethane	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	Ethylbenzene	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	Methylene chloride	300	µg/kg	U	300	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	Styrene	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	Tetrachloroethene	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	Toluene	100	µg/kg	U	100	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	trans-1,3-Dichloropropene	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	Trichloroethene	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	Vinyl acetate	500	µg/kg	U	500	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	Vinyl chloride	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8240	Xylenes (total)	50	µg/kg	U	50	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		ATI	005290-06	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	1,2,4-Trichlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	1,2-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	no	duplicate result of method 8260
PS-8 1-1.5	PS-8 1-1.5	8270	1,3-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	no	duplicate result of method 8260
PS-8 1-1.5	PS-8 1-1.5	8270	1,4-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	no	duplicate result of method 8260
PS-8 1-1.5	PS-8 1-1.5	8270	2,4,5-Trichlorophenol	850	µg/kg	U	850	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	2,4,6-Trichlorophenol	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	2,4-Dichlorophenol	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	2,4-Dimethylphenol	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	2,4-Dinitrophenol	850	µg/kg	U	850	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	2,4-Dinitrotoluene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	2,6-Dinitrotoluene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	2-Chloronaphthalene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	2-Chlorophenol	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	2-Methylnaphthalene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	2-Methylphenol	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	2-Nitroaniline	850	µg/kg	U	850	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	2-Nitrophenol	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	3,3'-Dichlorobenzidine	340	µg/kg	U	340	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	3-Nitroaniline	850	µg/kg	U	850	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	4,6-Dinitro-2-methylphenol	850	µg/kg	U	850	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	4-Bromophenyl phenyl ether	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	4-Chloro-3-methylphenol	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	4-Chloroaniline	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	4-Chlorophenyl phenyl ether	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	4-Methylphenol	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	4-Nitroaniline	850	µg/kg	U	850	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	4-Nitrophenol	850	µg/kg	U	850	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Acenaphthene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Acenaphthylene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Aniline	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Anthracene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Benzidine	1700	µg/kg	U	1700	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Benzo(a)anthracene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Benzo(a)pyrene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Benzo(b)fluoranthene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Benzo(g,h,i)perylene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Benzo(k)fluoranthene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
PS-8 1-1.5	PS-8 1-1.5	8270	Benzoic Acid	850	µg/kg	U	850	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Benzyl alcohol	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	bis(2-Chloroethoxy)methane	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	bis(2-Chloroethyl)ether	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	bis(2-Chloroisopropyl) ether	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	bis(2-Ethylhexyl)phthalate	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Butylbenzylphthalate	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Chrysene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Dibenzo(a,h)anthracene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Dibenzofuran	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Diethylphthalate	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Dimethyl phthalate	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Di-n-butyl phthalate	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Di-n-octyl phthalate	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Fluoranthene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Fluorene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Hexachlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Hexachlorobutadiene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Hexachlorocyclopentadiene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Hexachloroethane	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Indeno(1,2,3-cd)pyrene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Isophorone	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Naphthalene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Nitrobenzene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	N-nitrosodimethylamine	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	N-nitrosodi-n-propylamine	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	N-nitrosodiphenylamine	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Pentachlorophenol	850	µg/kg	U	850	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Phenanthrene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Phenol	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 1-1.5	PS-8 1-1.5	8270	Pyrene	170	µg/kg	U	170	Sediment	5/17/1990	1.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-06	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	6010	Antimony	3	mg/kg	UJ	3	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	6010	Barium	31.4	mg/kg			Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	6010	Beryllium	0.5	mg/kg	U	0.5	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	6010	Cadmium	0.5	mg/kg	U	0.5	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	6010	Chromium	8.3	mg/kg			Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	6010	Cobalt	3.2	mg/kg			Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	6010	Copper	9.9	mg/kg			Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	6010	Lead	4.4	mg/kg	J		Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	6010	Molybdenum	1	mg/kg	U	1	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	6010	Nickel	5.2	mg/kg			Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	6010	Silver	1	mg/kg	U	1	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	6010	Vanadium	13.9	mg/kg			Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	6010	Zinc	32.3	mg/kg	J		Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	7060	Arsenic	1.3	mg/kg			Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	7471	Mercury	0.25	mg/kg	U	0.25	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	7740	Selenium	1	mg/kg	U	1	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	7841	Thallium	1	mg/kg	U	1	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	1,1,1-Trichloroethane	400	µg/kg			Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	1,1,2,2-Tetrachloroethane	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	1,1,2-Trichloroethane	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	1,1-Dichloroethane	130	µg/kg			Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	1,1-Dichloroethene	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	1,2-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	1,2-Dichloroethane	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	1,2-Dichloroethene (total)	50	µg/kg			Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	1,2-Dichloropropane	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	1,3-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	1,4-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	2-Butanone	1000	µg/kg	U	1000	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	2-Hexanone	500	µg/kg	U	500	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	4-Methyl-2-pentanone	500	µg/kg	U	500	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	Acetone	1000	µg/kg	U	1000	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	Benzene	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	Bromodichloromethane	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	Bromoform	300	µg/kg	U	300	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	Bromomethane	500	µg/kg	U	500	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	Carbon disulfide	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	Carbon tetrachloride	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	Chlorobenzene	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	Chloroethane	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	Chloroform	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	Chloromethane	500	µg/kg	U	500	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	cis-1,3-Dichloropropene	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	Dibromochloromethane	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	Ethylbenzene	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	Methylene chloride	4200	µg/kg			Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	Styrene	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	Tetrachloroethene	330	µg/kg			Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	Toluene	3600	µg/kg			Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	trans-1,3-Dichloropropene	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	Trichloroethene	1000	µg/kg			Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	Vinyl acetate	500	µg/kg	U	500	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	Vinyl chloride	50	µg/kg	U	50	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8240	Xylenes (total)	520	µg/kg			Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		ATI	005290-07	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	1,2,4-Trichlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	1,2-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	no	duplicate result of method 8260
PS-8 2-2.5	PS-8 2-2.5	8270	1,3-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	no	duplicate result of method 8260
PS-8 2-2.5	PS-8 2-2.5	8270	1,4-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	no	duplicate result of method 8260
PS-8 2-2.5	PS-8 2-2.5	8270	2,4,5-Trichlorophenol	850	µg/kg	U	850	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	2,4,6-Trichlorophenol	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	2,4-Dichlorophenol	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	2,4-Dimethylphenol	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	2,4-Dinitrophenol	850	µg/kg	U	850	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
PS-8 2-2.5	PS-8 2-2.5	8270	2,4-Dinitrotoluene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	2,6-Dinitrotoluene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	2-Chloronaphthalene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	2-Chlorophenol	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	2-Methylnaphthalene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	2-Methylphenol	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	2-Nitroaniline	850	µg/kg	U	850	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	2-Nitrophenol	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	3,3'-Dichlorobenzidine	340	µg/kg	U	340	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	3-Nitroaniline	850	µg/kg	U	850	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	4,6-Dinitro-2-methylphenol	850	µg/kg	U	850	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	4-Bromophenyl phenyl ether	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	4-Chloro-3-methylphenol	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	4-Chloroaniline	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	4-Chlorophenyl phenyl ether	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	4-Methylphenol	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	4-Nitroaniline	850	µg/kg	U	850	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	4-Nitrophenol	850	µg/kg	U	850	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Acenaphthene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Acenaphthylene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Aniline	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Anthracene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Benzidine	1700	µg/kg	U	1700	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Benzo(a)anthracene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Benzo(a)pyrene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Benzo(b)fluoranthene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Benzo(g,h,i)perylene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Benzo(k)fluoranthene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Benzoic Acid	850	µg/kg	U	850	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Benzyl alcohol	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	bis(2-Chloroethoxy)methane	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	bis(2-Chloroethyl)ether	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	bis(2-Chloroisopropyl) ether	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	bis(2-Ethylhexyl)phthalate	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Butylbenzylphthalate	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Chrysene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Dibenzo(a,h)anthracene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Dibenzofuran	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Diethylphthalate	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Dimethyl phthalate	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Di-n-butyl phthalate	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Di-n-octyl phthalate	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Fluoranthene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Fluorene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Hexachlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Hexachlorobutadiene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Hexachlorocyclopentadiene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Hexachloroethane	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Indeno(1,2,3-cd)pyrene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Isophorone	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Naphthalene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Nitrobenzene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	N-nitrosodimethylamine	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	N-nitrosodi-n-propylamine	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	N-nitrosodiphenylamine	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Pentachlorophenol	850	µg/kg	U	850	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Phenanthrene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Phenol	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 2-2.5	PS-8 2-2.5	8270	Pyrene	170	µg/kg	U	170	Sediment	5/17/1990	2.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-07	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	6010	Antimony	3	mg/kg	UJ	3	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	6010	Barium	50.3	mg/kg			Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	6010	Beryllium	0.5	mg/kg	U	0.5	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	6010	Cadmium	0.5	mg/kg	U	0.5	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	6010	Chromium	11.7	mg/kg			Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	6010	Cobalt	4.2	mg/kg			Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	6010	Copper	13.5	mg/kg			Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	6010	Lead	6	mg/kg	J		Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	6010	Molybdenum	1	mg/kg	U	1	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	6010	Nickel	6.8	mg/kg			Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	6010	Silver	1	mg/kg	U	1	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	6010	Vanadium	21.1	mg/kg			Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	6010	Zinc	47.9	mg/kg	J		Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	7060	Arsenic	1.7	mg/kg			Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	7471	Mercury	0.25	mg/kg	U	0.25	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	7740	Selenium	1	mg/kg	U	1	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	7841	Thallium	1	mg/kg	U	1	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200MT13	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	1,1,1-Trichloroethane	400	µg/kg			Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	1,1,2,2-Tetrachloroethane	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	1,1,2-Trichloroethane	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	1,1-Dichloroethane	90	µg/kg			Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	1,1-Dichloroethene	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	1,2-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	1,2-Dichloroethane	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	1,2-Dichloroethene (total)	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	1,2-Dichloropropane	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	1,3-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	1,4-Dichlorobenzene	50	µg/kg	UJ	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	2-Butanone	1000	µg/kg	U	1000	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	2-Hexanone	500	µg/kg	U	500	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	4-Methyl-2-pentanone	500	µg/kg	U	500	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	Acetone	1000	µg/kg	U	1000	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	Benzene	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	Bromodichloromethane	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	Bromoform	300	µg/kg	U	300	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
PS-8 3-3.5	PS-8 3-3.5	8240	Bromomethane	500	µg/kg	U	500	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	Carbon disulfide	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	Carbon tetrachloride	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	Chlorobenzene	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	Chloroethane	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	Chloroform	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	Chloromethane	500	µg/kg	U	500	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	cis-1,3-Dichloropropene	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	Dibromochloromethane	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	Ethylbenzene	100	µg/kg			Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	Methylene chloride	3700	µg/kg			Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	Styrene	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	Tetrachloroethene	250	µg/kg			Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	Toluene	3000	µg/kg			Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	trans-1,3-Dichloropropene	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	Trichloroethene	810	µg/kg			Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	Vinyl acetate	500	µg/kg	U	500	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	Vinyl chloride	50	µg/kg	U	50	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8240	Xylenes (total)	370	µg/kg			Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		ATI	005290-08	T200VO8	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	1,2,4-Trichlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	1,2-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	no	duplicate result of method 8260
PS-8 3-3.5	PS-8 3-3.5	8270	1,3-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	no	duplicate result of method 8260
PS-8 3-3.5	PS-8 3-3.5	8270	1,4-Dichlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	no	duplicate result of method 8260
PS-8 3-3.5	PS-8 3-3.5	8270	2,4,5-Trichlorophenol	850	µg/kg	U	850	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	2,4,6-Trichlorophenol	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	2,4-Dichlorophenol	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	2,4-Dimethylphenol	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	2,4-Dinitrophenol	850	µg/kg	U	850	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	2,4-Dinitrotoluene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	2,6-Dinitrotoluene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	2-Chloronaphthalene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	2-Chlorophenol	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	2-Methylnaphthalene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	2-Methylphenol	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	2-Nitroaniline	850	µg/kg	U	850	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	2-Nitrophenol	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	3,3'-Dichlorobenzidine	340	µg/kg	U	340	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	3-Nitroaniline	850	µg/kg	U	850	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	4,6-Dinitro-2-methylphenol	850	µg/kg	U	850	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	4-Bromophenyl phenyl ether	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	4-Chloro-3-methylphenol	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	4-Chloroaniline	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	4-Chlorophenyl phenyl ether	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	4-Methylphenol	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	4-Nitroaniline	850	µg/kg	U	850	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	4-Nitrophenol	850	µg/kg	U	850	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Acenaphthene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Acenaphthylene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Aniline	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Anthracene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Benzidine	1700	µg/kg	U	1700	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Benzo(a)anthracene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Benzo(a)pyrene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Benzo(b)fluoranthene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Benzo(g,h,i)perylene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Benzo(k)fluoranthene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Benzoic Acid	850	µg/kg	U	850	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Benzyl alcohol	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	bis(2-Chloroethoxy)methane	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	bis(2-Chloroethyl)ether	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	bis(2-Chloroisopropyl) ether	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	bis(2-Ethylhexyl)phthalate	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Butylbenzylphthalate	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Chrysene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Dibenzo(a,h)anthracene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Dibenzofuran	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Diethylphthalate	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Dimethyl phthalate	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Di-n-butyl phthalate	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Di-n-octyl phthalate	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Fluoranthene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Fluorene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Hexachlorobenzene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Hexachlorobutadiene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Hexachlorocyclopentadiene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Hexachloroethane	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Indeno(1,2,3-cd)pyrene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Isophorone	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Naphthalene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Nitrobenzene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	N-nitrosodimethylamine	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	N-nitrosodi-n-propylamine	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	N-nitrosodiphenylamine	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Pentachlorophenol	850	µg/kg	U	850	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Phenanthrene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Phenol	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
PS-8 3-3.5	PS-8 3-3.5	8270	Pyrene	170	µg/kg	U	170	Sediment	5/17/1990	3.5	Primary Sample	R2 POND	no		TMA/Norcal	005290-08	T200SV6	268556.6875	1786505.75	GRC, July 90	GRC	yes	
RF977	SRBS01S01	6010	Antimony	11	mg/kg	UJ	11	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400MT34	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	6010	Barium	62	mg/kg		1	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400MT34	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	6010	Beryllium	0.6	mg/kg	U	0.6	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400MT34	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	6010	Cadmium	1	mg/kg	U	1	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400MT34	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	6010	Chromium	11	mg/kg		2	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400MT34	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	6010	Cobalt	6	mg/kg		2	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400MT34	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	6010	Copper	5	mg/kg		2	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400MT34	268536.8125	1786425.5		OGDEN	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
RF977	SRBS01S01	6010	Lead	6	mg/kg		6	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400MT34	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	6010	Molybdenum	11	mg/kg	U	11	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400MT34	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	6010	Nickel	6	mg/kg		6	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400MT34	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	6010	Silver	1	mg/kg	U	1	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400MT34	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	6010	Vanadium	28	mg/kg		2	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400MT34	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	6010	Zinc	41	mg/kg	J	1	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400MT34	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	7060	Arsenic	6	mg/kg	U	6	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400MT34	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	7471	Mercury	0.2	mg/kg	U	0.2	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400MT34	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	7740	Selenium	6	mg/kg	U	6	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400MT34	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	7841	Thallium	6	mg/kg	U	6	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400MT34	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	9045	pH	7.8	pH units	J	0.1	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400WC47	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8015M	C08-C11 (Gasoline Range)	11	mg/kg	UJ	11	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400TF43	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8015M	C11-C14 (Kerosene Range)	11	mg/kg	UJ	11	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400TF43	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8015M	C14-C20 (Diesel Range)	11	mg/kg	UJ	11	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400TF43	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8015M	C20-C30 (Lubricant Oil Range)	11	mg/kg	UJ	11	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400TF43	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	1,1,1,2-Tetrachloroethane	22	µg/kg	U	22	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	1,1,1-Trichloroethane	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	1,1,2,2-Tetrachloroethane	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	1,1,2-Trichloroethane	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	1,1,2-Trichlorotrifluoroethane	22	µg/kg	U	22	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	1,1-Dichloroethane	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	1,1-Dichloroethene	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	1,2,4-Trimethylbenzene	22	µg/kg	U	22	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	1,2-Dibromo-3-chloropropane	22	µg/kg	U	22	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	1,2-Dichlorobenzene	11	µg/kg	U	11	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	1,2-Dichloroethane	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	1,2-Dichloropropane	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	1,3,5-Trimethylbenzene	22	µg/kg	U	22	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	1,3-Dichlorobenzene	11	µg/kg	U	11	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	1,4-Dichlorobenzene	11	µg/kg	U	11	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	8270 SIM	2-Butanone	54	µg/kg	U	54	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400PA36	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	8021A	2-Chloro-1,1,1-trifluoroethane	22	µg/kg	U	22	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	8021A	2-Chloroethyl vinyl ether	54	µg/kg	U	54	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	Acetone	54	µg/kg	U	54	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	Benzene	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	Bromodichloromethane	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	Bromoform	10	µg/kg	UJ	10	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	Bromomethane	11	µg/kg	U	11	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	Carbon tetrachloride	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	Chlorobenzene	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	Chloroethane	11	µg/kg	U	11	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	Chloroform	10	µg/kg	UJ	10	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	Chloromethane	11	µg/kg	U	11	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	Chlorotrifluoroethene	22	µg/kg	U	22	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	cis-1,2-Dichloroethene	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	cis-1,3-Dichloropropene	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	Dichlorodifluoromethane	11	µg/kg	U	11	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	Ethylbenzene	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	m,p-Xylene	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	Methylene chloride	22	µg/kg	U	22	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	o-Xylene	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	Tetrachloroethene	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	Toluene	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	trans-1,2-Dichloroethene	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	trans-1,3-Dichloropropene	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	Trichloroethene	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	Trichlorofluoromethane	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RD977	SRBS01S01	8021A	Vinyl chloride	11	µg/kg	U	11	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-015	T400VO37	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	8270 SIM	Acenaphthene	34	µg/kg	U	34	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400PA36	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	8270 SIM	Acenaphthylene	34	µg/kg	U	34	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400PA36	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	8270 SIM	Anthracene	34	µg/kg	U	34	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400PA36	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	8270 SIM	Benzo(a)anthracene	34	µg/kg	U	34	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400PA36	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	8270 SIM	Benzo(a)pyrene	34	µg/kg	U	34	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400PA36	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	8270 SIM	Benzo(b)fluoranthene	34	µg/kg	U	34	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400PA36	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	8270 SIM	Benzo(g,h,i)perylene	34	µg/kg	U	34	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400PA36	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	8270 SIM	Benzo(k)fluoranthene	34	µg/kg	U	34	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400PA36	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	8270 SIM	bis(2-Ethylhexyl)phthalate	110	µg/kg	U	110	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400PA36	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	8270 SIM	Chrysene	34	µg/kg	U	34	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400PA36	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	8270 SIM	Dibenzo(a,h)anthracene	34	µg/kg	U	34	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400PA36	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	8270 SIM	Diethylphthalate	110	µg/kg	U	110	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400PA36	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	8270 SIM	Di-n-butyl phthalate	110	µg/kg	U	110	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400PA36	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	8270 SIM	Fluoranthene	34	µg/kg	U	34	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400PA36	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	8270 SIM	Fluorene	34	µg/kg	U	34	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400PA36	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	8270 SIM	Indeno(1,2,3-cd)pyrene	34	µg/kg	U	34	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400PA36	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	8270 SIM	Naphthalene	34	µg/kg	U	34	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400PA36	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	8270 SIM	N-nitrosodimethylamine	2	µg/kg	U	2	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400PA36	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	8270 SIM	N-nitrosodiphenylamine	34	µg/kg	U	34	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400PA36	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	8270 SIM	Phenanthrene	34	µg/kg	U	34	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400PA36	268536.8125	1786425.5		OGDEN	yes	
RF977	SRBS01S01	8270 SIM	Pyrene	34	µg/kg	U	34	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-001	T400PA36	268536.8125	1786425.5		OGDEN	yes	
RF979	SRBS02S01	6010	Antimony	13	mg/kg	UJ	13	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	6010	Barium	67	mg/kg		1	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	6010	Beryllium	0.7	mg/kg	U	0.7	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	6010	Cadmium	1	mg/kg	U	1	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	6010	Chromium	15	mg/kg		3	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	6010	Cobalt	6	mg/kg		3	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	6010	Copper	19	mg/kg		3	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	6010	Lead	19	mg/kg		7	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	6010	Molybdenum	13	mg/kg	U	13	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	6010	Nickel	9	mg/kg		7	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	6010	Silver	1	mg/kg	U	1	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	6010	Vanadium	30	mg/kg		3	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	6010	Zinc	210	mg/kg	J	1	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	7060	Arsenic	7	mg/kg	U	7	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	7471	Mercury	0.6	mg/kg		0.3	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400MT34	268547.0938	1786531.5		OGDEN	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
RF979	SRBS02S01	7740	Selenium	7	mg/kg	U	7	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	7841	Thallium	7	mg/kg	U	7	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	9045	pH	7.5	pH units	J	0.1	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400WC47	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8015M	C08-C11 (Gasoline Range)	11	mg/kg	UJ	11	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400TF43	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8015M	C11-C14 (Kerosene Range)	11	mg/kg	UJ	11	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400TF43	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8015M	C14-C20 (Diesel Range)	11	mg/kg	UJ	11	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400TF43	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8015M	C20-C30 (Lubricant Oil Range)	11	mg/kg	UJ	11	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400TF43	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	1,1,1,2-Tetrachloroethane	22	µg/kg	U	22	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	1,1,1-Trichloroethane	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	1,1,2,2-Tetrachloroethane	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	1,1,2-Trichloroethane	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	1,1,2-Trichlorotrifluoroethane	22	µg/kg	U	22	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	1,1-Dichloroethane	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	1,1-Dichloroethene	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	1,2,4-Trimethylbenzene	22	µg/kg	U	22	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	1,2-Dibromo-3-chloropropane	22	µg/kg	U	22	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	1,2-Dichlorobenzene	11	µg/kg	U	11	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	1,2-Dichloroethane	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	1,2-Dichloropropane	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	1,3,5-Trimethylbenzene	22	µg/kg	U	22	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	1,3-Dichlorobenzene	11	µg/kg	U	11	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	1,4-Dichlorobenzene	11	µg/kg	U	11	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	2-Butanone	54	µg/kg	U	54	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	2-Chloro-1,1,1-trifluoroethane	22	µg/kg	U	22	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	2-Chloroethyl vinyl ether	54	µg/kg	U	54	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	Acetone	54	µg/kg	U	54	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	Benzene	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	Bromodichloromethane	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	Bromoform	10	µg/kg	UJ	10	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	Bromomethane	11	µg/kg	U	11	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	Carbon tetrachloride	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	Chlorobenzene	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	Chloroethane	11	µg/kg	U	11	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	Chloroform	10	µg/kg	UJ	10	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	Chloromethane	11	µg/kg	U	11	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	Chlorotrifluoroethene	22	µg/kg	U	22	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	cis-1,2-Dichloroethene	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	cis-1,3-Dichloropropene	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	Dichlorodifluoromethane	11	µg/kg	U	11	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	Ethylbenzene	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	m,p-Xylene	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	Methylene chloride	22	µg/kg	U	22	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	o-Xylene	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	Tetrachloroethene	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	Toluene	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	trans-1,2-Dichloroethene	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	trans-1,3-Dichloropropene	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	Trichloroethene	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	Trichlorofluoromethane	5	µg/kg	U	5	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD979	SRBS02S01	8021A	Vinyl chloride	11	µg/kg	U	11	Soil	12/2/1997	0.5	Primary Sample	L9704088	no		CAS	L9704088-017	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	8270 SIM	Acenaphthene	39	µg/kg	U	39	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	8270 SIM	Acenaphthylene	39	µg/kg	U	39	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	8270 SIM	Anthracene	39	µg/kg	U	39	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	8270 SIM	Benzo(a)anthracene	39	µg/kg	U	39	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	8270 SIM	Benzo(a)pyrene	39	µg/kg	U	39	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	8270 SIM	Benzo(b)fluoranthene	39	µg/kg	U	39	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	8270 SIM	Benzo(g,h,i)perylene	39	µg/kg	U	39	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	8270 SIM	Benzo(k)fluoranthene	39	µg/kg	U	39	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	8270 SIM	bis(2-Ethylhexyl)phthalate	130	µg/kg	U	130	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	8270 SIM	Chrysene	39	µg/kg	U	39	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	8270 SIM	Dibenzo(a,h)anthracene	39	µg/kg	U	39	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	8270 SIM	Diethylphthalate	130	µg/kg	U	130	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	8270 SIM	Di-n-butyl phthalate	130	µg/kg	U	130	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	8270 SIM	Fluoranthene	39	µg/kg	U	39	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	8270 SIM	Fluorene	39	µg/kg	U	39	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	8270 SIM	Indeno(1,2,3-cd)pyrene	39	µg/kg	U	39	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	8270 SIM	Naphthalene	39	µg/kg	U	39	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	8270 SIM	N-nitrosodimethylamine	3	µg/kg	U	3	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	8270 SIM	N-nitrosodiphenylamine	39	µg/kg	U	39	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	8270 SIM	Phenanthrene	39	µg/kg	U	39	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF979	SRBS02S01	8270 SIM	Pyrene	39	µg/kg	U	39	Soil	12/2/1997	0.5	Primary Sample	L9704114	no		CAS	L9704114-003	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	6010	Antimony	13	mg/kg	UJ	13	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	6010	Barium	60	mg/kg		1	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	6010	Beryllium	0.6	mg/kg	U	0.6	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	6010	Cadmium	1	mg/kg	U	1	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	6010	Chromium	22	mg/kg		3	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	6010	Cobalt	5	mg/kg		3	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	6010	Copper	21	mg/kg		3	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	6010	Lead	10	mg/kg		6	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	6010	Molybdenum	13	mg/kg	U	13	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	6010	Nickel	7	mg/kg		6	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	6010	Silver	1	mg/kg	U	1	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	6010	Vanadium	27	mg/kg		3	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	6010	Zinc	99	mg/kg	J	1	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	7060	Arsenic	6	mg/kg	U	6	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	7471	Mercury	0.3	mg/kg	U	0.3	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	7740	Selenium	6	mg/kg	U	6	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	7841	Thallium	6	mg/kg	U	6	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400MT34	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	9045	pH	7.5	pH units	J	0.1	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400WC47	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8015M	C08-C11 (Gasoline Range)	11	mg/kg	UJ	11	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400TF43	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8015M	C11-C14 (Kerosene Range)	11	mg/kg	UJ	11	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400TF43	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8015M	C14-C20 (Diesel Range)	11	mg/kg	UJ	11	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400TF43	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8015M	C20-C30 (Lubricant Oil Range)	11	mg/kg	UJ	11	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400TF43	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	1,1,1,2-Tetrachloroethane	22	µg/kg	U	22	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
RD980	SRBS02S02	8021A	1,1,1-Trichloroethane	5	µg/kg	U	5	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	1,1,2,2-Tetrachloroethane	5	µg/kg	U	5	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	1,1,2-Trichloroethane	5	µg/kg	U	5	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	1,1,2-Trichlorotrifluoroethane	22	µg/kg	U	22	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	1,1-Dichloroethane	5	µg/kg	U	5	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	1,1-Dichloroethene	5	µg/kg	U	5	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	1,2,4-Trimethylbenzene	22	µg/kg	U	22	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	1,2-Dibromo-3-chloropropane	22	µg/kg	U	22	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	1,2-Dichlorobenzene	11	µg/kg	U	11	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	1,2-Dichloroethane	5	µg/kg	U	5	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	1,2-Dichloropropane	5	µg/kg	U	5	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	1,3,5-Trimethylbenzene	22	µg/kg	U	22	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	1,3-Dichlorobenzene	11	µg/kg	U	11	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	1,4-Dichlorobenzene	11	µg/kg	U	11	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	2-Butanone	54	µg/kg	U	54	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	2-Chloro-1,1,1-trifluoroethane	22	µg/kg	U	22	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	2-Chloroethyl vinyl ether	54	µg/kg	U	54	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	Acetone	54	µg/kg	U	54	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	Benzene	5	µg/kg	U	5	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	Bromodichloromethane	5	µg/kg	U	5	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	Bromoform	10	µg/kg	UJ	10	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	Bromomethane	11	µg/kg	U	11	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	Carbon tetrachloride	5	µg/kg	U	5	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	Chlorobenzene	5	µg/kg	U	5	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	Chloroethane	11	µg/kg	U	11	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	Chloroform	10	µg/kg	UJ	10	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	Chloromethane	11	µg/kg	U	11	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	Chlorotrifluoroethene	22	µg/kg	U	22	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	cis-1,2-Dichloroethene	5	µg/kg	U	5	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	cis-1,3-Dichloropropene	5	µg/kg	U	5	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	Dichlorodifluoromethane	11	µg/kg	U	11	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	Ethylbenzene	5	µg/kg	U	5	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	m,p-Xylene	5	µg/kg	U	5	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	Methylene chloride	22	µg/kg	U	22	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	o-Xylene	5	µg/kg	U	5	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	Tetrachloroethene	5	µg/kg	U	5	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	Toluene	5	µg/kg	U	5	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	trans-1,2-Dichloroethene	5	µg/kg	U	5	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	trans-1,3-Dichloropropene	5	µg/kg	U	5	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	Trichloroethene	5	µg/kg	U	5	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	Trichlorofluoromethane	5	µg/kg	U	5	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RD980	SRBS02S02	8021A	Vinyl chloride	11	µg/kg	U	11	Soil	12/2/1997	4	Primary Sample	L9704088	no		CAS	L9704088-018	T400VO37	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	8270 SIM	Acenaphthene	38	µg/kg	U	38	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	8270 SIM	Acenaphthylene	38	µg/kg	U	38	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	8270 SIM	Anthracene	38	µg/kg	U	38	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	8270 SIM	Benzo(a)anthracene	38	µg/kg	U	38	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	8270 SIM	Benzo(a)pyrene	38	µg/kg	U	38	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	8270 SIM	Benzo(b)fluoranthene	38	µg/kg	U	38	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	8270 SIM	Benzo(g,h,i)perylene	38	µg/kg	U	38	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	8270 SIM	Benzo(k)fluoranthene	38	µg/kg	U	38	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	8270 SIM	bis(2-Ethylhexyl)phthalate	130	µg/kg	U	130	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	8270 SIM	Chrysene	38	µg/kg	U	38	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	8270 SIM	Dibenzo(a,h)anthracene	38	µg/kg	U	38	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	8270 SIM	Diethylphthalate	130	µg/kg	U	130	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	8270 SIM	Di-n-butyl phthalate	130	µg/kg	U	130	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	8270 SIM	Fluoranthene	38	µg/kg	U	38	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	8270 SIM	Fluorene	38	µg/kg	U	38	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	8270 SIM	Indeno(1,2,3-cd)pyrene	38	µg/kg	U	38	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	8270 SIM	Naphthalene	38	µg/kg	U	38	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	8270 SIM	N-nitrosodimethylamine	3	µg/kg	U	3	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	8270 SIM	N-nitrosodiphenylamine	38	µg/kg	U	38	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	8270 SIM	Phenanthrene	38	µg/kg	U	38	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RF980	SRBS02S02	8270 SIM	Pyrene	38	µg/kg	U	38	Soil	12/2/1997	4	Primary Sample	L9704114	no		CAS	L9704114-004	T400PA36	268547.0938	1786531.5		OGDEN	yes	
RS584	SRBS03S01	6010	Antimony	16	mg/kg	UJ	16	Soil	12/17/1997	0.5	Primary Sample	L9704318	no		CAS	L9704318-009	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS584	SRBS03S01	6010	Barium	200	mg/kg		2	Soil	12/17/1997	0.5	Primary Sample	L9704318	no		CAS	L9704318-009	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS584	SRBS03S01	6010	Beryllium	1.4	mg/kg		0.8	Soil	12/17/1997	0.5	Primary Sample	L9704318	no		CAS	L9704318-009	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS584	SRBS03S01	6010	Cadmium	2	mg/kg		2	Soil	12/17/1997	0.5	Primary Sample	L9704318	no		CAS	L9704318-009	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS584	SRBS03S01	6010	Chromium	41	mg/kg		3	Soil	12/17/1997	0.5	Primary Sample	L9704318	no		CAS	L9704318-009	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS584	SRBS03S01	6010	Cobalt	15	mg/kg		3	Soil	12/17/1997	0.5	Primary Sample	L9704318	no		CAS	L9704318-009	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS584	SRBS03S01	6010	Copper	130	mg/kg		3	Soil	12/17/1997	0.5	Primary Sample	L9704318	no		CAS	L9704318-009	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS584	SRBS03S01	6010	Lead	58	mg/kg		8	Soil	12/17/1997	0.5	Primary Sample	L9704318	no		CAS	L9704318-009	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS584	SRBS03S01	6010	Molybdenum	16	mg/kg	U	16	Soil	12/17/1997	0.5	Primary Sample	L9704318	no		CAS	L9704318-009	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS584	SRBS03S01	6010	Nickel	24	mg/kg		8	Soil	12/17/1997	0.5	Primary Sample	L9704318	no		CAS	L9704318-009	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS584	SRBS03S01	6010	Silver	2	mg/kg	U	2	Soil	12/17/1997	0.5	Primary Sample	L9704318	no		CAS	L9704318-009	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS584	SRBS03S01	6010	Vanadium	77	mg/kg		3	Soil	12/17/1997	0.5	Primary Sample	L9704318	no		CAS	L9704318-009	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS584	SRBS03S01	6010	Zinc	490	mg/kg		2	Soil	12/17/1997	0.5	Primary Sample	L9704318	no		CAS	L9704318-009	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS584	SRBS03S01	7060	Arsenic	9	mg/kg		8	Soil	12/17/1997	0.5	Primary Sample	L9704318	no		CAS	L9704318-009	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS684	SRBS03S01	7196	Hexavalent Chromium	1	mg/kg	U	1	Soil	1/29/1998	0.5	Primary Sample	L9800238	no		CAS	L9800238-004	T400WC66	268562.8125	1786606.375		OGDEN	yes	
RS584	SRBS03S01	7471	Mercury	1.2	mg/kg		0.3	Soil	12/17/1997	0.5	Primary Sample	L9704318	no		CAS	L9704318-009	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS584	SRBS03S01	7740	Selenium	8	mg/kg	UJ	8	Soil	12/17/1997	0.5	Primary Sample	L9704318	no		CAS	L9704318-009	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS584	SRBS03S01	7841	Thallium	8	mg/kg	U	8	Soil	12/17/1997	0.5	Primary Sample	L9704318	no		CAS	L9704318-009	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS584	SRBS03S01	9045	pH	6.1	pH units	J	0.1	Soil	12/17/1997	0.5	Primary Sample	L9704318	no		CAS	L9704318-009	T400WC59	268562.8125	1786606.375		OGDEN	yes	
RS585	SRBS03S02	6010	Antimony	13	mg/kg	UJ	13	Soil	12/17/1997	3.5	Primary Sample	L9704318	no		CAS	L9704318-010	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS585	SRBS03S02	6010	Barium	69	mg/kg		1	Soil	12/17/1997	3.5	Primary Sample	L9704318	no		CAS	L9704318-010	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS585	SRBS03S02	6010	Beryllium	0.6	mg/kg	U	0.6	Soil	12/17/1997	3.5	Primary Sample	L9704318	no		CAS	L9704318-010	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS585	SRBS03S02	6010	Cadmium	1	mg/kg	U	1	Soil	12/17/1997	3.5	Primary Sample	L9704318	no		CAS	L9704318-010	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS585	SRBS03S02	6010	Chromium	16	mg/kg		3	Soil	12/17/1997	3.5	Primary Sample	L9704318	no		CAS	L9704318-010	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS585	SRBS03S02	6010	Cobalt	6	mg/kg		3	Soil	12/17/1997	3.5	Primary Sample	L9704318	no		CAS	L9704318-010	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS585	SRBS03S02	6010	Copper	18	mg/kg		3	Soil	12/17/1997	3.5	Primary Sample	L9704318	no		CAS	L9704318-010	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS585	SRBS03S02	6010	Lead	9	mg/kg		6	Soil	12/17/1997	3.5	Primary Sample	L9704318	no		CAS	L9704318-010	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS585	SRBS03S02	6010	Molybdenum	13	mg/kg	U	13	Soil	12/17/1997	3.5	Primary Sample	L9704318	no		CAS	L9704318-010	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS585	SRBS03S02	6010	Nickel	9	mg/kg		6	Soil	12/17/1997	3.5	Primary Sample	L9704318	no		CAS	L9704318-010	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS585	SRBS03S02	6010	Silver	1	mg/kg	U	1	Soil	12/17/1997	3.5	Primary Sample	L9704318	no		CAS	L9704318-010	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS585	SRBS03S02	6010	Vanadium	32	mg/kg		3	Soil	12/17/1997	3.5	Primary Sample	L9704318	no		CAS	L9704318-010	T400MT41	268562.8125	1786606.375		OGDEN	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
RS585	SRBS03S02	6010	Zinc	68	mg/kg		1	Soil	12/17/1997	3.5	Primary Sample	L9704318	no		CAS	L9704318-010	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS585	SRBS03S02	7060	Arsenic	6	mg/kg	U	6	Soil	12/17/1997	3.5	Primary Sample	L9704318	no		CAS	L9704318-010	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS585	SRBS03S02	7471	Mercury	0.3	mg/kg	U	0.3	Soil	12/17/1997	3.5	Primary Sample	L9704318	no		CAS	L9704318-010	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS585	SRBS03S02	7740	Selenium	6	mg/kg	UJ	6	Soil	12/17/1997	3.5	Primary Sample	L9704318	no		CAS	L9704318-010	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS585	SRBS03S02	7841	Thallium	6	mg/kg	U	6	Soil	12/17/1997	3.5	Primary Sample	L9704318	no		CAS	L9704318-010	T400MT41	268562.8125	1786606.375		OGDEN	yes	
RS585	SRBS03S02	9045	pH	7.5	pH units	J	0.1	Soil	12/17/1997	3.5	Primary Sample	L9704318	no		CAS	L9704318-010	T400WC59	268562.8125	1786606.375		OGDEN	yes	
RS654	SRBS04S01	8021A	1,1,1,2-Tetrachloroethane	23	µg/kg	U	23	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	1,1,1-Trichloroethane	6	µg/kg	U	6	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	1,1,2,2-Tetrachloroethane	6	µg/kg	U	6	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	1,1,2-Trichloroethane	6	µg/kg	U	6	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	1,1,2-Trichlorotrifluoroethane	23	µg/kg	U	23	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	1,1-Dichloroethane	6	µg/kg	U	6	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	1,1-Dichloroethene	6	µg/kg	U	6	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	1,2,4-Trimethylbenzene	23	µg/kg	U	23	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	1,2-Dibromo-3-chloropropane	23	µg/kg	U	23	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	1,2-Dichlorobenzene	12	µg/kg	U	12	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	1,2-Dichloroethane	6	µg/kg	U	6	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	1,2-Dichloropropane	6	µg/kg	U	6	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	1,3,5-Trimethylbenzene	23	µg/kg	U	23	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	1,3-Dichlorobenzene	12	µg/kg	U	12	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	1,4-Dichlorobenzene	12	µg/kg	U	12	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	2-Butanone	58	µg/kg	U	58	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	2-Chloro-1,1,1-trifluoroethane	23	µg/kg	U	23	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	2-Chloroethyl vinyl ether	58	µg/kg	U	58	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	Acetone	58	µg/kg	U	58	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	Benzene	6	µg/kg	U	6	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	Bromodichloromethane	6	µg/kg	U	6	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	Bromoform	12	µg/kg	UJ	12	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	Bromomethane	12	µg/kg	U	12	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	Carbon tetrachloride	6	µg/kg	U	6	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	Chlorobenzene	6	µg/kg	U	6	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	Chloroethane	12	µg/kg	U	12	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	Chloroform	12	µg/kg	UJ	12	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	Chloromethane	12	µg/kg	U	12	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	Chlorotrifluoroethene	23	µg/kg	U	23	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	cis-1,2-Dichloroethene	6	µg/kg	U	6	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	cis-1,3-Dichloropropene	6	µg/kg	U	6	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	Dichlorodifluoromethane	12	µg/kg	U	12	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	Ethylbenzene	6	µg/kg	U	6	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	m,p-Xylene	6	µg/kg	U	6	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	Methylene chloride	23	µg/kg	U	23	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	o-Xylene	6	µg/kg	U	6	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	Tetrachloroethene	6	µg/kg	U	6	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	Toluene	6	µg/kg	U	6	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	trans-1,2-Dichloroethene	6	µg/kg	U	6	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	trans-1,3-Dichloropropene	6	µg/kg	U	6	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	Trichloroethene	6	µg/kg	U	6	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	Trichlorofluoromethane	6	µg/kg	U	6	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS654	SRBS04S01	8021A	Vinyl chloride	12	µg/kg	U	12	Soil	1/26/1998	1	Primary Sample	L9800197	no		CAS	L9800197-018	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	1,1,1,2-Tetrachloroethane	24	µg/kg	U	24	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	1,1,1-Trichloroethane	6	µg/kg	U	6	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	1,1,2,2-Tetrachloroethane	6	µg/kg	U	6	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	1,1,2-Trichloroethane	6	µg/kg	U	6	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	1,1,2-Trichlorotrifluoroethane	24	µg/kg	U	24	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	1,1-Dichloroethane	6	µg/kg	U	6	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	1,1-Dichloroethene	6	µg/kg	U	6	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	1,2,4-Trimethylbenzene	24	µg/kg	U	24	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	1,2-Dibromo-3-chloropropane	24	µg/kg	U	24	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	1,2-Dichlorobenzene	12	µg/kg	U	12	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	1,2-Dichloroethane	6	µg/kg	U	6	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	1,2-Dichloropropane	6	µg/kg	U	6	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	1,3,5-Trimethylbenzene	24	µg/kg	U	24	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	1,3-Dichlorobenzene	12	µg/kg	U	12	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	1,4-Dichlorobenzene	12	µg/kg	U	12	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	2-Butanone	59	µg/kg	U	59	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	2-Chloro-1,1,1-trifluoroethane	24	µg/kg	U	24	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	2-Chloroethyl vinyl ether	59	µg/kg	U	59	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	Acetone	59	µg/kg	U	59	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	Benzene	6	µg/kg	U	6	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	Bromodichloromethane	6	µg/kg	U	6	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	Bromoform	12	µg/kg	UJ	12	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	Bromomethane	12	µg/kg	U	12	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	Carbon tetrachloride	6	µg/kg	U	6	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	Chlorobenzene	6	µg/kg	U	6	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	Chloroethane	12	µg/kg	U	12	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	Chloroform	12	µg/kg	UJ	12	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	Chloromethane	12	µg/kg	U	12	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	Chlorotrifluoroethene	24	µg/kg	U	24	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	cis-1,2-Dichloroethene	6	µg/kg	U	6	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	cis-1,3-Dichloropropene	6	µg/kg	U	6	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	Dichlorodifluoromethane	12	µg/kg	U	12	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	Ethylbenzene	6	µg/kg	U	6	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	m,p-Xylene	6	µg/kg	U	6	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	Methylene chloride	24	µg/kg	U	24	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	o-Xylene	6	µg/kg	U	6	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	Tetrachloroethene	6	µg/kg	U	6	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	Toluene	6	µg/kg	U	6	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	trans-1,2-Dichloroethene	6	µg/kg	U	6	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	trans-1,3-Dichloropropene	6	µg/kg	U	6	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	Trichloroethene	6	µg/kg	U	6	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	Trichlorofluoromethane	6	µg/kg	U	6	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS655	SRBS04S02	8021A	Vinyl chloride	12	µg/kg	U	12	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-019	T400VO33	268558.375	1786507.375		OGDEN	yes	
RS656	SRBS05S01	6010	Aluminum	14000	mg/kg	J	11	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-020	T400MT56	268490.75	1786501.375		OGDEN	yes	
RS656	SRBS05S01	6010	Antimony	11	mg/kg	UJ	11	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-020	T400MT56	268490.75	1786501.375		OGDEN	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
RS656	SRBS05S01	6010	Barium	92	mg/kg	J	1	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-020	T400MT56	268490.75	1786501.375		OGDEN	yes	
RS656	SRBS05S01	6010	Beryllium	0.7	mg/kg		0.6	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-020	T400MT56	268490.75	1786501.375		OGDEN	yes	
RS656	SRBS05S01	6010	Boron	11	mg/kg	U	11	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-020	T400MT56	268490.75	1786501.375		OGDEN	yes	
RS656	SRBS05S01	6010	Cadmium	1	mg/kg	U	1	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-020	T400MT56	268490.75	1786501.375		OGDEN	yes	
RS656	SRBS05S01	6010	Chromium	16	mg/kg		2	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-020	T400MT56	268490.75	1786501.375		OGDEN	yes	
RS656	SRBS05S01	6010	Cobalt	6	mg/kg		2	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-020	T400MT56	268490.75	1786501.375		OGDEN	yes	
RS656	SRBS05S01	6010	Copper	6	mg/kg		2	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-020	T400MT56	268490.75	1786501.375		OGDEN	yes	
RS656	SRBS05S01	6010	Lead	7	mg/kg		6	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-020	T400MT56	268490.75	1786501.375		OGDEN	yes	
RS656	SRBS05S01	6010	Molybdenum	11	mg/kg	U	11	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-020	T400MT56	268490.75	1786501.375		OGDEN	yes	
RS656	SRBS05S01	6010	Nickel	10	mg/kg		6	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-020	T400MT56	268490.75	1786501.375		OGDEN	yes	
RS656	SRBS05S01	6010	Silver	1	mg/kg	U	1	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-020	T400MT56	268490.75	1786501.375		OGDEN	yes	
RS656	SRBS05S01	6010	Vanadium	36	mg/kg		2	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-020	T400MT56	268490.75	1786501.375		OGDEN	yes	
RS656	SRBS05S01	6010	Zinc	45	mg/kg		1	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-020	T400MT56	268490.75	1786501.375		OGDEN	yes	
RS656	SRBS05S01	7060	Arsenic	6	mg/kg	U	6	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-020	T400MT56	268490.75	1786501.375		OGDEN	yes	
RS656	SRBS05S01	7471	Mercury	0.2	mg/kg	U	0.2	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-020	T400MT56	268490.75	1786501.375		OGDEN	yes	
RS656	SRBS05S01	7740	Selenium	6	mg/kg	U	6	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-020	T400MT56	268490.75	1786501.375		OGDEN	yes	
RS656	SRBS05S01	7841	Thallium	6	mg/kg	U	6	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-020	T400MT56	268490.75	1786501.375		OGDEN	yes	
RS656	SRBS05S01	9045	pH	7.5	pH units	J	0.1	Soil	1/26/1998	3	Primary Sample	L9800197	no		CAS	L9800197-020	T400WC74	268490.75	1786501.375		OGDEN	yes	
RJ548	SRBS05S02	8270C SIM	2-Methylnaphthalene	3	µg/kg	U	3	Soil	7/14/2000	0.5	Primary Sample	RJ028	no		CEIMIC	200546-08	T700PA3	268490.75	1786501.375		OGDEN	yes	
RJ548	SRBS05S02	8270C SIM	Acenaphthene	3	µg/kg	U	3	Soil	7/14/2000	0.5	Primary Sample	RJ028	no		CEIMIC	200546-08	T700PA3	268490.75	1786501.375		OGDEN	yes	
RJ548	SRBS05S02	8270C SIM	Acenaphthylene	3	µg/kg	U	3	Soil	7/14/2000	0.5	Primary Sample	RJ028	no		CEIMIC	200546-08	T700PA3	268490.75	1786501.375		OGDEN	yes	
RJ548	SRBS05S02	8270C SIM	Anthracene	3	µg/kg	UJ	3	Soil	7/14/2000	0.5	Primary Sample	RJ028	no		CEIMIC	200546-08	T700PA3	268490.75	1786501.375		OGDEN	yes	
RJ548	SRBS05S02	8270C SIM	Benzo(a)anthracene	4	µg/kg			Soil	7/14/2000	0.5	Primary Sample	RJ028	no		CEIMIC	200546-08	T700PA3	268490.75	1786501.375		OGDEN	yes	
RJ548	SRBS05S02	8270C SIM	Benzo(a)pyrene	4	µg/kg	J		Soil	7/14/2000	0.5	Primary Sample	RJ028	no		CEIMIC	200546-08	T700PA3	268490.75	1786501.375		OGDEN	yes	
RJ548	SRBS05S02	8270C SIM	Benzo(b)fluoranthene	9	µg/kg			Soil	7/14/2000	0.5	Primary Sample	RJ028	no		CEIMIC	200546-08	T700PA3	268490.75	1786501.375		OGDEN	yes	
RJ548	SRBS05S02	8270C SIM	Benzo(g,h,i)perylene	3	µg/kg	UJ	3	Soil	7/14/2000	0.5	Primary Sample	RJ028	no		CEIMIC	200546-08	T700PA3	268490.75	1786501.375		OGDEN	yes	
RJ548	SRBS05S02	8270C SIM	Benzo(k)fluoranthene	6	µg/kg			Soil	7/14/2000	0.5	Primary Sample	RJ028	no		CEIMIC	200546-08	T700PA3	268490.75	1786501.375		OGDEN	yes	
RJ548	SRBS05S02	8270C SIM	Chrysene	8	µg/kg			Soil	7/14/2000	0.5	Primary Sample	RJ028	no		CEIMIC	200546-08	T700PA3	268490.75	1786501.375		OGDEN	yes	
RJ548	SRBS05S02	8270C SIM	Dibenzo(a,h)anthracene	3	µg/kg	U	3	Soil	7/14/2000	0.5	Primary Sample	RJ028	no		CEIMIC	200546-08	T700PA3	268490.75	1786501.375		OGDEN	yes	
RJ548	SRBS05S02	8270C SIM	Fluoranthene	8	µg/kg			Soil	7/14/2000	0.5	Primary Sample	RJ028	no		CEIMIC	200546-08	T700PA3	268490.75	1786501.375		OGDEN	yes	
RJ548	SRBS05S02	8270C SIM	Fluorene	3	µg/kg	U	3	Soil	7/14/2000	0.5	Primary Sample	RJ028	no		CEIMIC	200546-08	T700PA3	268490.75	1786501.375		OGDEN	yes	
RJ548	SRBS05S02	8270C SIM	Indeno(1,2,3-cd)pyrene	3	µg/kg	U	3	Soil	7/14/2000	0.5	Primary Sample	RJ028	no		CEIMIC	200546-08	T700PA3	268490.75	1786501.375		OGDEN	yes	
RJ548	SRBS05S02	8270C SIM	Naphthalene	3	µg/kg	U	3	Soil	7/14/2000	0.5	Primary Sample	RJ028	no		CEIMIC	200546-08	T700PA3	268490.75	1786501.375		OGDEN	yes	
RJ548	SRBS05S02	8270C SIM	Phenanthrene	4	µg/kg			Soil	7/14/2000	0.5	Primary Sample	RJ028	no		CEIMIC	200546-08	T700PA3	268490.75	1786501.375		OGDEN	yes	
RJ548	SRBS05S02	8270C SIM	Pyrene	7	µg/kg			Soil	7/14/2000	0.5	Primary Sample	RJ028	no		CEIMIC	200546-08	T700PA3	268490.75	1786501.375		OGDEN	yes	
RS683	SRBS06S01	6010	Aluminum	8200	mg/kg	J	12	Soil	1/29/1998	0.5	Primary Sample	L9800238	no		CAS	L9800238-003	T400MT50	268507.0313	1786693.125		OGDEN	yes	
RS683	SRBS06S01	6010	Antimony	12	mg/kg	UJ	12	Soil	1/29/1998	0.5	Primary Sample	L9800238	no		CAS	L9800238-003	T400MT50	268507.0313	1786693.125		OGDEN	yes	
RS683	SRBS06S01	6010	Barium	60	mg/kg	J	1	Soil	1/29/1998	0.5	Primary Sample	L9800238	no		CAS	L9800238-003	T400MT50	268507.0313	1786693.125		OGDEN	yes	
RS683	SRBS06S01	6010	Beryllium	0.6	mg/kg	U	0.6	Soil	1/29/1998	0.5	Primary Sample	L9800238	no		CAS	L9800238-003	T400MT50	268507.0313	1786693.125		OGDEN	yes	
RS683	SRBS06S01	6010	Boron	12	mg/kg	U	12	Soil	1/29/1998	0.5	Primary Sample	L9800238	no		CAS	L9800238-003	T400MT50	268507.0313	1786693.125		OGDEN	yes	
RS683	SRBS06S01	6010	Cadmium	1	mg/kg	U	1	Soil	1/29/1998	0.5	Primary Sample	L9800238	no		CAS	L9800238-003	T400MT50	268507.0313	1786693.125		OGDEN	yes	
RS683	SRBS06S01	6010	Chromium	30	mg/kg	J	2	Soil	1/29/1998	0.5	Primary Sample	L9800238	no		CAS	L9800238-003	T400MT50	268507.0313	1786693.125		OGDEN	yes	
RS683	SRBS06S01	6010	Cobalt	5	mg/kg		2	Soil	1/29/1998	0.5	Primary Sample	L9800238	no		CAS	L9800238-003	T400MT50	268507.0313	1786693.125		OGDEN	yes	
RS683	SRBS06S01	6010	Copper	6	mg/kg		2	Soil	1/29/1998	0.5	Primary Sample	L9800238	no		CAS	L9800238-003	T400MT50	268507.0313	1786693.125		OGDEN	yes	
RS683	SRBS06S01	6010	Lead	18	mg/kg		6	Soil	1/29/1998	0.5	Primary Sample	L9800238	no		CAS	L9800238-003	T400MT50	268507.0313	1786693.125		OGDEN	yes	
RS683	SRBS06S01	6010	Molybdenum	12	mg/kg	U	12	Soil	1/29/1998	0.5	Primary Sample	L9800238	no		CAS	L9800238-003	T400MT50	268507.0313	1786693.125		OGDEN	yes	
RS683	SRBS06S01	6010	Nickel	20	mg/kg	J	6	Soil	1/29/1998	0.5	Primary Sample	L9800238	no		CAS	L9800238-003	T400MT50	268507.0313	1786693.125		OGDEN	yes	
RS683	SRBS06S01	6010	Silver	1	mg/kg	U	1	Soil	1/29/1998	0.5	Primary Sample	L9800238	no		CAS	L9800238-003	T400MT50	268507.0313	1786693.125		OGDEN	yes	
RS683	SRBS06S01	6010	Vanadium	24	mg/kg		2	Soil	1/29/1998	0.5	Primary Sample	L9800238	no		CAS	L9800238-003	T400MT50	268507.0313	1786693.125		OGDEN	yes	
RS683	SRBS06S01	6010	Zinc	47	mg/kg		1	Soil	1/29/1998	0.5	Primary Sample	L9800238	no		CAS	L9800238-003	T400MT50	268507.0313	1786693.125		OGDEN	yes	
RS683	SRBS06S01	7060	Arsenic	6	mg/kg	U	6	Soil	1/29/1998	0.5	Primary Sample	L9800238	no		CAS	L9800238-003	T400MT50	268507.0313	1786693.125		OGDEN	yes	
RS683	SRBS06S01	7471	Mercury	0.2	mg/kg	U	0.2	Soil	1/29/1998	0.5	Primary Sample	L9800238	no		CAS	L9800238-003	T400MT50	268507.0313	1786693.125		OGDEN	yes	
RS683	SRBS06S01	7740	Selenium	6	mg/kg	UJ	6	Soil	1/29/1998	0.5	Primary Sample	L9800238	no		CAS	L9800238-003	T400MT50	268507.0313	1786693.125		OGDEN	yes	
RS683	SRBS06S01	7841	Thallium	6	mg/kg	U	6	Soil	1/29/1998	0.5	Primary Sample	L9800238	no		CAS	L9800238-003	T400MT50	268507.0313	1786693.125		OGDEN	yes	
RS683	SRBS06S01	9045	pH	7.2	pH units	J	0.1	Soil	1/29/1998	0.5	Primary Sample	L9800238	no		CAS	L9800238-003D	T400WC66	268507.0313	1786693.125		OGDEN	yes	
MJ633	SRBS07S01	6020	Silver	0.053	mg/kg	UJ	0.053	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-21	B5MT11	268483.9688	1786728.25	MWH		yes	
RJ511	SRBS07S01	9045	pH	6.33	pH units	J	0	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-15	T700WC49	268483.9688	1786728.25		OGDEN	yes	
RJ511	SRBS07S01	6010B	Aluminum	12100	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-15	T700MT2	268483.9688	1786728.25		OGDEN	yes	
RJ511	SRBS07S01	6010B	Antimony	0.49	mg/kg	J		Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-15	T700MT2	268483.9688	1786728.25		OGDEN	yes	
RJ511	SRBS07S01	6010B	Arsenic	6.4	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-15	T700MT2	268483.9688	1786728.25		OGDEN	yes	
RJ511	SRBS07S01	6010B	Barium	74	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-15	T700MT2	268483.9688	1786728.25		OGDEN	yes	
RJ511	SRBS07S01	6010B	Beryllium	0.76	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-15	T700MT2	268483.9688	1786728.25		OGDEN	yes	
RJ511	SRBS07S01	6010B	Boron	4.2	mg/kg	UJ	4.2	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-15	T700MT2	268483.9688	1786728.25		OGDEN	yes	
RJ511	SRBS07S01	6010B	Cadmium	0.13	mg/kg	U	0.13	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-15	T700MT2	268483.9688	1786728.25		OGDEN	yes	
RJ511	SRBS07S01	6010B	Calcium	1530	mg/kg	J		Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-15	T700MT2	268483.9688	1786728.25		OGDEN	yes	
RJ511	SRBS07S01	6010B	Chromium	16.7	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-15	T700MT2	268483.9688	1786728.25		OGDEN	yes	
RJ511	SRBS07S01	6010B	Cobalt	6.8	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-15	T700MT2	268483.9688	1786728.25		OGDEN	yes	
RJ511	SRBS07S01	6010B	Copper	9.3	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-15	T700MT2	268483.9688	1786728.25		OGDEN	yes	
RJ511	SRBS07S01	6010B	Iron	18200	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-15	T700MT2	268483.9688	1786728.25		OGDEN	yes	
RJ511	SRBS07S01	6010B	Lead	4.7	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-15	T700MT2	268483.9688	1786728.25		OGDEN	yes	
RJ511	SRBS07S01	6010B	Magnesium	3630	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-15	T700MT2	268483.9688	1786728.25		OGDEN	yes	
RJ511	SRBS07S01	6010B	Manganese	313	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-15	T700MT2	268483.9688	1786728.25		OGDEN	yes	
RJ511	SRBS07S01	6010B	Molybdenum	10	mg/kg	UJ	10	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-15	T700MT2	268483.9688	1786728.25		OGDEN	yes	
RJ511	SRBS07S01	6010B	Nickel	11.7	mg/kg	UJ	11.7	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-15	T700MT2	268483.9688	1786728.25		OGDEN	yes	
RJ511	SRBS07S01	6010B	Potassium	3570	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-15	T700MT2	268483.9688	1786728.25		OGDEN	yes	
RJ511	SRBS07S01	6010B	Selenium	1.4	mg/kg	U	1.4	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-15	T700MT2	268483.9688	1786728.25		OGDEN	yes	
RJ511	SRBS07S01	6010B	Silver	4.8	mg/kg	J		Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-15	T700MT2	268483.9688	1786728.25		OGDEN	yes	
RJ511	SRBS07S01	6010B	Sodium	40.5	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-15	T700MT2	268483.9688	1786728.25		OGDEN	yes	
RJ511	SRBS07S01	6010B	Thallium	0.22	mg/kg	U	0.22	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-15	T700MT2	268483.9688	1786728.25		OGDEN	yes	
RJ511	SRBS07S01	6010B	Vanadium	29.4	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-15	T700MT2	268483.9688	1786728.25		OGDEN	yes	
RJ511	SRBS07S01	6010B	Zinc	49	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-15	T700MT2	268483.9688	1786728.25		OGDEN	yes	
RJ511	SRBS07S01	7471A	Mercury	0.05	mg/kg	UJ	0.05	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-15	T700MT2	268483.9688	1786728.25		OGDEN	yes	
MJ634	SRBS07S02	6020	Silver	0.034	mg/kg	UJ	0.034	Soil	2/14/2006	3	Primary Sample	IPB1429	no		DELMAR	IPB1429-22	B5MT11	268483.9688	1786728.25	MWH		yes	
RJ512	SRBS08S01	9045	pH	9.29	pH units	J	0	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-16	T700WC49	268549.75	1786676.5		OGDEN	yes	
RJ512	SRBS08S01	6010B	Aluminum	13400	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-16	T700MT2	268549.75	1786676.5		OGDEN	yes	
RJ512	SRBS08S01	6010B	Antimony	0.53	mg/kg	J		Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-16	T700MT2	268549.75	1786676.5		OGDEN	yes	
RJ512	SRBS08S01	6010B	Arsenic	3.7	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-16	T700MT2	268549.75	1786676.5		OGDEN	yes	
RJ512	SRBS08S01	6010B	Barium	71.7	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-16	T700MT2	268549.75	1786676.5		OGDEN	yes	
RJ512	SRBS08S01	6010B	Beryllium	0.55	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-16	T700MT2	268549.75	1786676.5		OGDEN	yes	
RJ512	SRBS08S01	6010B	Boron	3.3	mg/kg	UJ	3.3	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-16	T700MT2	268549.75	1786676.5		OGDEN	yes	
RJ512	SRBS08S01	6010B	Cadmium	0.1	mg/kg	U	0.1	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-16	T700MT2	268549.75	1786676.5		OGDEN	yes	
RJ512	SRBS08S01	6010B	Calcium	3120	mg/kg	J		Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-16	T700MT2	268549.75	1786676.5		OGDEN	yes	
RJ512	SRBS08S01	6010B	Chromium	22.7	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-16	T700MT2	268549.75	1786676.5		OGDEN	yes	
RJ512	SRBS08S01	6010B	Cobalt	6.5	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-16	T700MT2	268549.75	1786676.5		OGDEN	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
RJ512	SRBS08S01	6010B	Copper	7.4	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-16	T700MT2	268549.75	1786676.5		OGDEN	yes	
RJ512	SRBS08S01	6010B	Iron	17500	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-16	T700MT2	268549.75	1786676.5		OGDEN	yes	
RJ512	SRBS08S01	6010B	Lead	4	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-16	T700MT2	268549.75	1786676.5		OGDEN	yes	
RJ512	SRBS08S01	6010B	Magnesium	4330	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-16	T700MT2	268549.75	1786676.5		OGDEN	yes	
RJ512	SRBS08S01	6010B	Manganese	258	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-16	T700MT2	268549.75	1786676.5		OGDEN	yes	
RJ512	SRBS08S01	6010B	Molybdenum	10	mg/kg	UJ	10	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-16	T700MT2	268549.75	1786676.5		OGDEN	yes	
RJ512	SRBS08S01	6010B	Nickel	11.1	mg/kg	UJ	11.1	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-16	T700MT2	268549.75	1786676.5		OGDEN	yes	
RJ512	SRBS08S01	6010B	Potassium	2140	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-16	T700MT2	268549.75	1786676.5		OGDEN	yes	
RJ512	SRBS08S01	6010B	Selenium	1.1	mg/kg	U	1.1	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-16	T700MT2	268549.75	1786676.5		OGDEN	yes	
RJ512	SRBS08S01	6010B	Silver	4.5	mg/kg	UJ	4.5	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-16	T700MT2	268549.75	1786676.5		OGDEN	yes	
RJ512	SRBS08S01	6010B	Sodium	692	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-16	T700MT2	268549.75	1786676.5		OGDEN	yes	
RJ512	SRBS08S01	6010B	Thallium	0.18	mg/kg	U	0.18	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-16	T700MT2	268549.75	1786676.5		OGDEN	yes	
RJ512	SRBS08S01	6010B	Vanadium	34.5	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-16	T700MT2	268549.75	1786676.5		OGDEN	yes	
RJ512	SRBS08S01	6010B	Zinc	42	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-16	T700MT2	268549.75	1786676.5		OGDEN	yes	
RJ512	SRBS08S01	7471A	Mercury	0.15	mg/kg	UJ	0.15	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-16	T700MT2	268549.75	1786676.5		OGDEN	yes	
RJ513	SRBS09S01	9045	pH	4.63	pH units	J	0	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700WC49	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	6010B	Aluminum	7940	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700MT2	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	6010B	Antimony	0.45	mg/kg	J		Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700MT2	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	6010B	Arsenic	2.2	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700MT2	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	6010B	Barium	41.7	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700MT2	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	6010B	Beryllium	0.4	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700MT2	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	6010B	Boron	2.9	mg/kg	UJ	2.9	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700MT2	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	6010B	Cadmium	0.02	mg/kg	U	0.02	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700MT2	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	6010B	Calcium	1710	mg/kg	J		Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700MT2	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	6010B	Chromium	15.5	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700MT2	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	6010B	Cobalt	4	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700MT2	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	6010B	Copper	7.1	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700MT2	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	6010B	Iron	12600	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700MT2	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	6010B	Lead	7.4	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700MT2	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	6010B	Magnesium	2950	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700MT2	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	6010B	Manganese	252	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700MT2	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	6010B	Molybdenum	10	mg/kg	UJ	10	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700MT2	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	6010B	Nickel	9.4	mg/kg	UJ	9.4	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700MT2	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	6010B	Potassium	1880	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700MT2	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	6010B	Selenium	0.96	mg/kg	U	0.96	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700MT2	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	6010B	Silver	4.5	mg/kg	UJ	4.5	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700MT2	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	6010B	Sodium	72.9	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700MT2	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	6010B	Thallium	0.16	mg/kg	U	0.16	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700MT2	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	6010B	Vanadium	20.4	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700MT2	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	6010B	Zinc	155	mg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700MT2	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	7471A	Mercury	0.23	mg/kg	UJ	0.23	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700MT2	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	8015B	C08-C11 (Gasoline Range)	3	mg/kg	UJ	3	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700TF2	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	8015B	C11-C14 (Kerosene Range)	3	mg/kg	UJ	3	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700TF2	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	8015B	C14-C20 (Diesel Range)	3	mg/kg	U	3	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700TF2	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	8015B	C20-C30 (Lubricant Oil Range)	66	mg/kg		3	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700TF2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	1,1,1,2-Tetrachloroethane	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	1,1,1-Trichloroethane	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	1,1,2,2-Tetrachloroethane	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	1,1,2-Trichloroethane	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	1,1-Dichloroethane	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	1,1-Dichloroethene	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	1,2,4-Trimethylbenzene	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	1,2-Dibromo-3-chloropropane	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	1,2-Dichlorobenzene	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	1,2-Dichloroethane	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	1,2-Dichloroethene (total)	11	µg/kg	U	11	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	1,3,5-Trimethylbenzene	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	1,3-Dichlorobenzene	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	1,4-Dichlorobenzene	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	2-Butanone	9	µg/kg			Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	Acetone	150	µg/kg			Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	Benzene	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	Bromodichloromethane	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	Bromoform	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	Bromomethane	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	Carbon tetrachloride	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	Chlorobenzene	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	Chloroethane	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	Chloroform	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	Chloromethane	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	cis-1,2-Dichloroethene	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	Dichlorodifluoromethane	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	Ethylbenzene	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	m,p-Xylene	11	µg/kg	U	11	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	Methylene chloride	9	µg/kg	UJ	9	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	o-Xylene	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	Tetrachloroethene	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	Toluene	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	trans-1,2-Dichloroethene	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	trans-1,3-Dichloropropene	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	Trichloroethene	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	Trichlorofluoromethane	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	Vinyl chloride	6	µg/kg	U	6	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ518	SRBS09S01	8260B	Xylenes (total)	17	µg/kg	U	17	Soil	7/6/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-05A	T700VO2	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	8270C SIM	2-Methylnaphthalene	7	µg/kg	UJ	7	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700PA1	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	8270C SIM	Acenaphthene	7	µg/kg	UJ	7	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700PA1	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	8270C SIM	Acenaphthylene	7	µg/kg	UJ	7	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700PA1	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	8270C SIM	Anthracene	7	µg/kg	UJ	7	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700PA1	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	8270C SIM	Benzo(a)anthracene	7	µg/kg	UJ	7	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700PA1	268661.0313	1786731.875		OGDEN	no	Replaced by extrapolated data
RJ513	SRBS09S01	8270C SIM	Chrysene	7	µg/kg	U	7	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700PA1	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	8270C SIM	Fluoranthene	7	µg/kg	UJ	7	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700PA1	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	8270C SIM	Fluorene	7	µg/kg	UJ	7	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700PA1	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	8270C SIM	Naphthalene	7	µg/kg	UJ	7	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700PA1	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	8270C SIM	N-nitrosodimethylamine	7	µg/kg	U	7	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700PA1	268661.0313	1786731.875		OGDEN	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
RJ513	SRBS09S01	8270C SIM	Phenanthrene	54	µg/kg			Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700PA1	268661.0313	1786731.875		OGDEN	yes	
RJ513	SRBS09S01	8270C SIM	Pyrene	7	µg/kg	UJ	7	Soil	6/30/2000	0.5	Primary Sample	RJ001	no		CEIMIC	200456-17	T700PA1	268661.0313	1786731.875		OGDEN	yes	
RZ516	SRBS10S01	6010	Silver	0.19	mg/kg	U	0.19	Soil	7/5/2000	0.5	Primary Sample	80254	no		STL-VT	434339	T700MT26	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	9045	pH	7.19	pH units	J		Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700WC3	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	6010B	Aluminum	11800	mg/kg	J		Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700MT5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	6010B	Antimony	0.65	mg/kg	J		Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700MT5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	6010B	Arsenic	2.9	mg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700MT5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	6010B	Barium	43.1	mg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700MT5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	6010B	Beryllium	0.5	mg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700MT5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	6010B	Boron	3.3	mg/kg	U	3.3	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700MT5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	6010B	Cadmium	0.05	mg/kg	U	0.05	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700MT5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	6010B	Calcium	1180	mg/kg	J		Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700MT5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	6010B	Chromium	16.4	mg/kg	J		Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700MT5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	6010B	Cobalt	5.7	mg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700MT5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	6010B	Copper	6.1	mg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700MT5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	6010B	Iron	14300	mg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700MT5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	6010B	Lead	4.6	mg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700MT5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	6010B	Magnesium	3010	mg/kg	J		Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700MT5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	6010B	Manganese	138	mg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700MT5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	6010B	Molybdenum	10	mg/kg	UJ	10	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700MT5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	6010B	Nickel	7.2	mg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700MT5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	6010B	Potassium	1700	mg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700MT5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	6010B	Selenium	0.27	mg/kg	U	0.27	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700MT5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	6010B	Sodium	91.6	mg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700MT5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	6010B	Thallium	0.93	mg/kg	UJ	0.93	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700MT5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	6010B	Vanadium	23.4	mg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700MT5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	6010B	Zinc	50	mg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700MT5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	7471A	Mercury	0.25	mg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700MT5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8015M	C08-C11 (Gasoline Range)	99	mg/kg	U	99	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700TF4	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8015M	C11-C14 (Kerosene Range)	99	mg/kg	U	99	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700TF4	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8015M	C14-C20 (Diesel Range)	99	mg/kg	U	99	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700TF4	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8015M	C20-C30 (Lubricant Oil Range)	420	mg/kg		99	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700TF4	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	1,1,1,2-Tetrachloroethane	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	1,1,1-Trichloroethane	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	1,1,2,2-Tetrachloroethane	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	1,1,2-Trichloroethane	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	1,1-Dichloroethane	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	1,1-Dichloroethene	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	1,2,4-Trimethylbenzene	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	1,2-Dibromo-3-chloropropane	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	1,2-Dichlorobenzene	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	1,2-Dichloroethane	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	1,2-Dichloroethene (total)	10	µg/kg	U	10	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	1,3,5-Trimethylbenzene	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	1,3-Dichlorobenzene	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	1,4-Dichlorobenzene	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	2-Butanone	5	µg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	Acetone	67	µg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	Benzene	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	Bromodichloromethane	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	Bromoform	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	Bromomethane	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	Carbon tetrachloride	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	Chlorobenzene	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	Chloroethane	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	Chloroform	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	Chloromethane	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	cis-1,2-Dichloroethene	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	Dichlorodifluoromethane	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	Ethylbenzene	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	m,p-Xylene	10	µg/kg	U	10	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	Methylene chloride	13	µg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	o-Xylene	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	Tetrachloroethene	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	Toluene	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	trans-1,2-Dichloroethene	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	trans-1,3-Dichloropropene	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	Trichloroethene	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	Trichlorofluoromethane	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	Vinyl chloride	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8260B	Xylenes (total)	15	µg/kg	U	15	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03A	T700VO2	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8270C SIM	2-Methylnaphthalene	3	µg/kg	U	3	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700PA5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8270C SIM	Acenaphthene	3	µg/kg	U	3	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700PA5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8270C SIM	Acenaphthylene	3	µg/kg	U	3	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700PA5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8270C SIM	Anthracene	3	µg/kg	U	3	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700PA5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8270C SIM	Benzo(a)anthracene	2	µg/kg	J		Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700PA5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8270C SIM	Benzo(a)pyrene	4	µg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700PA5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8270C SIM	Benzo(b)fluoranthene	5	µg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700PA5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8270C SIM	Benzo(g,h,i)perylene	3	µg/kg	U	3	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700PA5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8270C SIM	Benzo(k)fluoranthene	4	µg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700PA5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8270C SIM	Chrysene	5	µg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700PA5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8270C SIM	Dibenzo(a,h)anthracene	3	µg/kg	U	3	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700PA5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8270C SIM	Fluoranthene	4	µg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700PA5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8270C SIM	Fluorene	3	µg/kg	U	3	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700PA5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8270C SIM	Indeno(1,2,3-cd)pyrene	5	µg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700PA5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8270C SIM	Naphthalene	3	µg/kg	U	3	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700PA5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8270C SIM	N-nitrosodimethylamine	3	µg/kg	U	3	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700PA5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8270C SIM	Phenanthrene	2	µg/kg	J		Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700PA5	268622.875	1786691.25		OGDEN	yes	
RJ516	SRBS10S01	8270C SIM	Pyrene	5	µg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-03	T700PA5	268622.875	1786691.25		OGDEN	yes	
RJ517	SRBS11S01	9045	pH	6.94	pH units	J		Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700WC3	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	6010B	Aluminum	8250	mg/kg	J		Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700MT5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	6010B	Antimony	0.86	mg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700MT5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	6010B	Arsenic	3.5	mg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700MT5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	6010B	Barium	86.5	mg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700MT5	268620.4063	1786680.125		OGDEN	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
RJ517	SRBS11S01	6010B	Beryllium	0.36	mg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700MT5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	6010B	Boron	3.7	mg/kg	U	3.7	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700MT5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	6010B	Cadmium	0.33	mg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700MT5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	6010B	Calcium	4260	mg/kg	J		Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700MT5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	6010B	Chromium	17.1	mg/kg	J		Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700MT5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	6010B	Cobalt	6	mg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700MT5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	6010B	Copper	36.9	mg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700MT5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	6010B	Iron	15800	mg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700MT5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	6010B	Lead	15.3	mg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700MT5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	6010B	Magnesium	3340	mg/kg	J		Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700MT5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	6010B	Manganese	907	mg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700MT5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	6010B	Molybdenum	10	mg/kg	UJ	10	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700MT5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	6010B	Nickel	7.4	mg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700MT5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	6010B	Potassium	2150	mg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700MT5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	6010B	Selenium	0.3	mg/kg	U	0.3	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700MT5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	6010B	Silver	4.5	mg/kg	UJ	4.5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700MT5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	6010B	Sodium	149	mg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700MT5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	6010B	Thallium	0.2	mg/kg	U	0.2	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700MT5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	6010B	Vanadium	22.8	mg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700MT5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	6010B	Zinc	378	mg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700MT5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	7471A	Mercury	0.17	mg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700MT5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8015M	C08-C11 (Gasoline Range)	3	mg/kg	U	3	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700TF4	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8015M	C11-C14 (Kerosene Range)	3	mg/kg	U	3	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700TF4	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8015M	C14-C20 (Diesel Range)	3	mg/kg	U	3	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700TF4	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8015M	C20-C30 (Lubricant Oil Range)	12	mg/kg		3	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700TF4	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	1,1,1,2-Tetrachloroethane	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	1,1,1-Trichloroethane	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	1,1,2,2-Tetrachloroethane	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	1,1,2-Trichloroethane	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	1,1-Dichloroethane	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	1,1-Dichloroethene	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	1,2,4-Trimethylbenzene	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	1,2-Dibromo-3-chloropropane	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	1,2-Dichlorobenzene	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	1,2-Dichloroethane	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	1,2-Dichloroethene (total)	10	µg/kg	U	10	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	1,3,5-Trimethylbenzene	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	1,3-Dichlorobenzene	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	1,4-Dichlorobenzene	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	2-Butanone	37	µg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517DL	SRBS11S01	8260B	Acetone	5200	µg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04DL	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	Benzene	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	Bromodichloromethane	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	Bromoform	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	Bromomethane	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	Carbon tetrachloride	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	Chlorobenzene	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	Chloroethane	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	Chloroform	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	Chloromethane	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	cis-1,2-Dichloroethene	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	Dichlorodifluoromethane	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	Ethylbenzene	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	m,p-Xylene	10	µg/kg	U	10	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	Methylene chloride	11	µg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	o-Xylene	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	Tetrachloroethene	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	Toluene	3	µg/kg	U	3	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	trans-1,2-Dichloroethene	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	trans-1,3-Dichloropropene	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	Trichloroethene	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	Trichlorofluoromethane	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	Vinyl chloride	5	µg/kg	U	5	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8260B	Xylenes (total)	15	µg/kg	U	15	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04A	T700VO2	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8270C SIM	2-Methylnaphthalene	3	µg/kg	U	3	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700PA5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8270C SIM	Acenaphthene	3	µg/kg	U	3	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700PA5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8270C SIM	Acenaphthylene	3	µg/kg	U	3	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700PA5	268620.4063	1786680.125		OGDEN	no	Replaced by extrapolated data
RJ517	SRBS11S01	8270C SIM	Anthracene	3	µg/kg	U	3	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700PA5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8270C SIM	Benzo(a)anthracene	3	µg/kg	U	3	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700PA5	268620.4063	1786680.125		OGDEN	no	Replaced by extrapolated data
RJ517	SRBS11S01	8270C SIM	Benzo(a)pyrene	3	µg/kg	U	3	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700PA5	268620.4063	1786680.125		OGDEN	no	Replaced by extrapolated data
RJ517	SRBS11S01	8270C SIM	Benzo(b)fluoranthene	3	µg/kg	J		Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700PA5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8270C SIM	Benzo(g,h,i)perylene	3	µg/kg	U	3	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700PA5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8270C SIM	Benzo(k)fluoranthene	3	µg/kg	U	3	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700PA5	268620.4063	1786680.125		OGDEN	no	Replaced by extrapolated data
RJ517	SRBS11S01	8270C SIM	Chrysene	5	µg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700PA5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8270C SIM	Dibenzo(a,h)anthracene	3	µg/kg	U	3	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700PA5	268620.4063	1786680.125		OGDEN	no	Replaced by extrapolated data
RJ517	SRBS11S01	8270C SIM	Fluoranthene	4	µg/kg			Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700PA5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8270C SIM	Fluorene	3	µg/kg	U	3	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700PA5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8270C SIM	Indeno(1,2,3-cd)pyrene	3	µg/kg	U	3	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700PA5	268620.4063	1786680.125		OGDEN	no	Replaced by extrapolated data
RJ517	SRBS11S01	8270C SIM	Naphthalene	3	µg/kg	U	3	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700PA5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8270C SIM	N-nitrosodimethylamine	3	µg/kg	U	3	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700PA5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8270C SIM	Phenanthrene	3	µg/kg	U	3	Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700PA5	268620.4063	1786680.125		OGDEN	yes	
RJ517	SRBS11S01	8270C SIM	Pyrene	3	µg/kg	J		Soil	7/5/2000	0.5	Primary Sample	RJ514	no		CEIMIC	200484-04	T700PA5	268620.4063	1786680.125		OGDEN	yes	
RJ048	SRBS12S01	7471A	Mercury	3.9	mg/kg	J		Soil	9/27/2000	0.5	Primary Sample	RJ048	no		CEIMIC	200729-01	T700MT13	268488.5938	1786324.75		OGDEN	yes	
RJ424	SRBS13D02	7471A	Mercury	0.1	mg/kg	UJ	0.1	Soil	5/22/2001	3	Field Duplicate	RJ417	no		CEIMIC	010419-08	T700MT54	268482.8437	1786301.75		OGDEN	no	duplicate result
MM002	SRBS13S01	1630M	Methyl mercury	0.000004	mg/kg	U	0.000004	Soil	8/2/2001	0.5	Primary Sample	MWH8301	no		Frontier		T702MT5	268482.8437	1786301.75		MWH	yes	
RJ049	SRBS13S01	7471A	Mercury	16.9	mg/kg	J		Soil	9/28/2000	0.5	Primary Sample	RJ048	no		CEIMIC	200729-02	T700MT13	268482.8437	1786301.75		OGDEN	yes	
RJ423	SRBS13S02	7471A	Mercury	0.1	mg/kg	UJ	0.1	Soil	5/22/2001	3	Primary Sample	RJ417	no		CEIMIC	010419-07	T700MT54	268482.8437	1786301.75		OGDEN	yes	
RJ050	SRBS14S01	7471A	Mercury	4.9	mg/kg	J		Soil	9/28/2000	0.5	Primary Sample	RJ048	no		CEIMIC	200729-03	T700MT13	268497.75	1786291		OGDEN	yes	
RJ051	SRBS15S01	7471A	Mercury	0.01	mg/kg	U	0.01	Soil	9/28/2000	0.5	Primary Sample	RJ048	no		CEIMIC	200729-04	T700MT13	268500.75	1786282.5		OGDEN	yes	
RJ052	SRBS16S01	7471A	Mercury	1.1	mg/kg	J		Soil	9/28/2000	0.5	Primary Sample	RJ048	no		CEIMIC	200729-05	T700MT13	268511.3437	1786229.125		OGDEN	yes	
RJ053	SRBS17S01	7471A	Mercury	0.3	mg/kg	J		Soil	9/28/2000	0.5	Primary Sample	RJ048	no		CEIMIC	200729-06	T700MT13	268535.3437	1786323.125		OGDEN	yes	
RJ054	SRBS18S01	7471A	Mercury	0.01	mg/kg	J		Soil	9/28/2000	0.5	Primary Sample	RJ048	no		CEIMIC	200729-07	T700MT13	268541.9063	1786355.5		OGDEN	yes	
RJ055	SRBS19S01	7471A	Mercury	0.14	mg/kg	J		Soil	9/28/2000	0.5	Primary Sample	RJ048	no		CEIMIC	200729-08	T700MT13	268531.25	1786375.5		OGDEN	yes	
RJ056	SRBS20S01	7471A	Mercury	0.88	mg/kg	J		Soil	9/28/2000	0.5	Primary Sample	RJ048	no		CEIMIC	200729-09	T700MT13	268533.875	1786400.875		OGDEN	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
RJ058	SRBS21D01	7471A	Mercury	0.06	mg/kg	J		Soil	9/28/2000	0.5	Field Duplicate	RJ048	no		CEIMIC	200729-11	T700MT13	268544.4063	1786418.75		OGDEN	no	duplicate result
RZ057	SRBS21S01	7471	Mercury	0.12	mg/kg		0.1	Soil	9/28/2000	0.5	Sample Split	17132	no		CENTRUM	17132-1	T500MT16	268544.4063	1786418.75		OGDEN	no	duplicate result
RJ057	SRBS21S01	7471A	Mercury	0.02	mg/kg	J		Soil	9/28/2000	0.5	Primary Sample	RJ048	no		CEIMIC	200729-10	T700MT13	268544.4063	1786418.75		OGDEN	yes	
RJ842	SRBS22S02	8015M	C08-C11 (Gasoline Range)	4	mg/kg	U	4	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07	T700TF16	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8015M	C11-C14 (Kerosene Range)	4	mg/kg	U	4	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07	T700TF16	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8015M	C14-C20 (Diesel Range)	4	mg/kg	U	4	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07	T700TF16	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8015M	C20-C30 (Lubricant Oil Range)	4	mg/kg	U	4	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07	T700TF16	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	1,1,1,2-Tetrachloroethane	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	1,1,1-Trichloroethane	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	1,1,2,2-Tetrachloroethane	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	1,1,2-Trichloroethane	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	1,1,2-Trichlorotrifluoroethane	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	1,1-Dichloroethane	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	1,1-Dichloroethene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	1,1-Dichloropropene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	1,2,3-Trichlorobenzene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	1,2,3-Trichloropropane	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	1,2,4-Trichlorobenzene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	1,2,4-Trimethylbenzene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	1,2-Dibromo-3-chloropropane	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	1,2-Dibromoethane	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	1,2-Dichlorobenzene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	1,2-Dichloroethane	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	1,2-Dichloroethene (total)	10	µg/kg	U	10	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	1,2-Dichloropropane	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	1,3,5-Trimethylbenzene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	1,3-Dichlorobenzene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	1,3-Dichloropropane	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	1,4-Dichlorobenzene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	1-Chlorohexane	1	µg/kg	J		Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	2,2-Dichloropropane	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	2-Butanone	24	µg/kg			Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	2-Chloroethyl vinyl ether	10	µg/kg	U	10	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	2-Chlorotoluene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	2-Hexanone	3	µg/kg	J		Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	4-Chlorotoluene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	4-Isopropyltoluene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	4-Methyl-2-pentanone	10	µg/kg	U	10	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	Acetone	21	µg/kg			Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	Benzene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	Bromochloromethane	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	Bromodichloromethane	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	Bromoform	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	Bromomethane	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	Carbon disulfide	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	Carbon tetrachloride	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	Chlorobenzene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	Chloroethane	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	Chloroform	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	Chloromethane	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	Chlorotrifluoroethene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	cis-1,2-Dichloroethene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	cis-1,3-Dichloropropene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	Dibromochloromethane	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	Dibromomethane	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	Dichlorodifluoromethane	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	Ethylbenzene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	Hexachlorobutadiene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	Isopropylbenzene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	m,p-Xylene	10	µg/kg	U	10	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	Methyl tert-butyl ether	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	Methylene chloride	6	µg/kg			Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	Monobromobenzene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	Naphthalene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	n-Butylbenzene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	n-Propylbenzene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	o-Xylene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	sec-Butylbenzene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	Styrene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	tert-Butylbenzene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	Tetrachloroethene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	Toluene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	trans-1,2-Dichloroethene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	trans-1,3-Dichloropropene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	Trichloroethene	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	Trichlorofluoromethane	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	Vinyl chloride	5	µg/kg	U	5	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ842	SRBS22S02	8260B	Xylenes (total)	15	µg/kg	U	15	Soil	11/17/2000	8	Primary Sample	RJ836	no		CEIMIC	200827-07A	T700VO8	268193.8437	1786497.75		OGDEN	yes	
RJ843	SRBS22S03	8015M	C08-C11 (Gasoline Range)	4	mg/kg	U	4	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08	T700TF16	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8015M	C11-C14 (Kerosene Range)	4	mg/kg	U	4	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08	T700TF16	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8015M	C14-C20 (Diesel Range)	4	mg/kg	U	4	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08	T700TF16	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8015M	C20-C30 (Lubricant Oil Range)	4.2	mg/kg		4	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08	T700TF16	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	1,1,1,2-Tetrachloroethane	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	1,1,1-Trichloroethane	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	1,1,2,2-Tetrachloroethane	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	1,1,2-Trichloroethane	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	1,1,2-Trichlorotrifluoroethane	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	1,1-Dichloroethane	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	1,1-Dichloroethene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	1,1-Dichloropropene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	1,2,3-Trichlorobenzene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	1,2,3-Trichloropropane	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	1,2,4-Trichlorobenzene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	1,2,4-Trimethylbenzene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
RJ843	SRBS22S03	8260B	1,2-Dibromo-3-chloropropane	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	1,2-Dibromoethane	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	1,2-Dichlorobenzene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	1,2-Dichloroethane	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	1,2-Dichloroethene (total)	10	µg/kg	UJ	10	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	1,2-Dichloropropane	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	1,3,5-Trimethylbenzene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	1,3-Dichlorobenzene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	1,3-Dichloropropane	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	1,4-Dichlorobenzene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	1-Chlorohexane	1	µg/kg	J		Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	2,2-Dichloropropane	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	2-Butanone	19	µg/kg	UJ	19	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	2-Chloroethyl vinyl ether	10	µg/kg	UJ	10	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	2-Chlorotoluene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	2-Hexanone	10	µg/kg	UJ	10	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	4-Chlorotoluene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	4-Isopropyltoluene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	4-Methyl-2-pentanone	10	µg/kg	UJ	10	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	Acetone	68	µg/kg	J		Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	Benzene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	Bromochloromethane	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	Bromodichloromethane	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	Bromoform	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	Bromomethane	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	Carbon disulfide	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	Carbon tetrachloride	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	Chlorobenzene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	Chloroethane	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	Chloroform	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	Chloromethane	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	Chlorotrifluoroethene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	cis-1,2-Dichloroethene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	cis-1,3-Dichloropropene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	Dibromochloromethane	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	Dibromomethane	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	Dichlorodifluoromethane	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	Ethylbenzene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	Hexachlorobutadiene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	Isopropylbenzene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	m,p-Xylene	10	µg/kg	UJ	10	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	Methyl tert-butyl ether	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	Methylene chloride	7	µg/kg	J		Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	Monobromobenzene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	Naphthalene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	n-Butylbenzene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	n-Propylbenzene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	o-Xylene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	sec-Butylbenzene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	Styrene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	tert-Butylbenzene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	Tetrachloroethene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	Toluene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	trans-1,2-Dichloroethene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	trans-1,3-Dichloropropene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	Trichloroethene	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	Trichlorofluoromethane	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	Vinyl chloride	5	µg/kg	UJ	5	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ843	SRBS22S03	8260B	Xylenes (total)	15	µg/kg	UJ	15	Soil	11/17/2000	13	Primary Sample	RJ836	no		CEIMIC	200827-08A	T700VO8	268193.8437	1786497.75		OGDEN	no	greater than 10 feet bgs
RJ786	SRBS23S01	8082	Aroclor 1016	36	µg/kg	UJ	36	Soil	11/2/2000	1	Primary Sample	RJ786	no		CEIMIC	200838-01	T700PP11	268189.4688	1786489		OGDEN	yes	
RJ786	SRBS23S01	8082	Aroclor 1221	73	µg/kg	UJ	73	Soil	11/2/2000	1	Primary Sample	RJ786	no		CEIMIC	200838-01	T700PP11	268189.4688	1786489		OGDEN	yes	
RJ786	SRBS23S01	8082	Aroclor 1232	36	µg/kg	UJ	36	Soil	11/2/2000	1	Primary Sample	RJ786	no		CEIMIC	200838-01	T700PP11	268189.4688	1786489		OGDEN	yes	
RJ786	SRBS23S01	8082	Aroclor 1242	36	µg/kg	UJ	36	Soil	11/2/2000	1	Primary Sample	RJ786	no		CEIMIC	200838-01	T700PP11	268189.4688	1786489		OGDEN	yes	
RJ786	SRBS23S01	8082	Aroclor 1248	36	µg/kg	UJ	36	Soil	11/2/2000	1	Primary Sample	RJ786	no		CEIMIC	200838-01	T700PP11	268189.4688	1786489		OGDEN	yes	
RJ786	SRBS23S01	8082	Aroclor 1254	60	µg/kg	J	36	Soil	11/2/2000	1	Primary Sample	RJ786	no		CEIMIC	200838-01	T700PP11	268189.4688	1786489		OGDEN	yes	
RJ786	SRBS23S01	8082	Aroclor 1260	36	µg/kg	UJ	36	Soil	11/2/2000	1	Primary Sample	RJ786	no		CEIMIC	200838-01	T700PP11	268189.4688	1786489		OGDEN	yes	
RJ786	SRBS23S01	8015M	C08-C11 (Gasoline Range)	18	mg/kg	U	18	Soil	11/2/2000	1	Primary Sample	RJ772	no		CEIMIC	200794-15	T700TF18	268189.4688	1786489		OGDEN	yes	
RJ786	SRBS23S01	8015M	C11-C14 (Kerosene Range)	40	mg/kg		18	Soil	11/2/2000	1	Primary Sample	RJ772	no		CEIMIC	200794-15	T700TF18	268189.4688	1786489		OGDEN	yes	
RJ786	SRBS23S01	8015M	C14-C20 (Diesel Range)	18	mg/kg	U	18	Soil	11/2/2000	1	Primary Sample	RJ772	no		CEIMIC	200794-15	T700TF18	268189.4688	1786489		OGDEN	yes	
RJ786	SRBS23S01	8015M	C20-C30 (Lubricant Oil Range)	470	mg/kg		18	Soil	11/2/2000	1	Primary Sample	RJ772	no		CEIMIC	200794-15	T700TF18	268189.4688	1786489		OGDEN	yes	
RJ148	SRBS24S01	7471A	Mercury	16.1	mg/kg			Soil	3/26/2001	0.5	Primary Sample	RJ149	no		CEIMIC	010272-21	T700MT38	268470.625	1786306.125		OGDEN	yes	
RJ149	SRBS25S01	7471A	Mercury	13.3	mg/kg			Soil	3/26/2001	0.5	Primary Sample	RJ149	no		CEIMIC	010272-01	T700MT38	268476.4375	1786349.875		OGDEN	yes	
RJ150	SRBS26S01	7471A	Mercury	1.1	mg/kg			Soil	3/26/2001	0.5	Primary Sample	RJ149	no		CEIMIC	010272-02	T700MT38	268479.6562	1786254.5		OGDEN	yes	
RJ151	SRBS27S01	7471A	Mercury	1.5	mg/kg			Soil	3/26/2001	0.5	Primary Sample	RJ149	no		CEIMIC	010272-03	T700MT38	268502.3125	1786363.625		OGDEN	yes	
RJ203	SRBS28S01	6010B	Aluminum	12100	mg/kg			Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20	T700MT40	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	6010B	Antimony	0.83	mg/kg			Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20	T700MT40	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	6010B	Arsenic	2.9	mg/kg			Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20	T700MT40	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	6010B	Barium	54	mg/kg			Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20	T700MT40	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	6010B	Beryllium	0.57	mg/kg			Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20	T700MT40	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	6010B	Boron	3.7	mg/kg			Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20	T700MT40	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	6010B	Cadmium	0.15	mg/kg			Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20	T700MT40	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	6010B	Calcium	799	mg/kg			Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20	T700MT40	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	6010B	Chromium	12.8	mg/kg			Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20	T700MT40	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	6010B	Cobalt	4.2	mg/kg			Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20	T700MT40	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	6010B	Copper	4.1	mg/kg			Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20	T700MT40	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	6010B	Iron	16800	mg/kg			Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20	T700MT40	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	6010B	Lead	5	mg/kg			Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20	T700MT40	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	6010B	Magnesium	3380	mg/kg			Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20	T700MT40	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	6010B	Manganese	125	mg/kg			Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20	T700MT40	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	6010B	Molybdenum	0.66	mg/kg	U	0.66	Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20	T700MT40	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	6010B	Nickel	5.8	mg/kg			Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20	T700MT40	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	6010B	Potassium	1670	mg/kg			Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20	T700MT40	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	6010B	Selenium	1	mg/kg			Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20	T700MT40	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	6010B	Silver	0.46	mg/kg	U	0.46	Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20	T700MT40	268448.9375	1786536.875		OGDEN	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
RJ203	SRBS28S01	6010B	Sodium	221	mg/kg			Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20	T700MT40	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	6010B	Thallium	0.18	mg/kg	UJ	0.18	Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20	T700MT40	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	6010B	Vanadium	28.6	mg/kg			Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20	T700MT40	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	6010B	Zinc	42.7	mg/kg			Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20	T700MT40	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	7471A	Mercury	0.04	mg/kg	UJ	0.04	Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20	T700MT40	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	8270C SIM	2-Methylnaphthalene	2	µg/kg	J		Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20A	T700PA25	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	8270C SIM	Acenaphthene	2	µg/kg	J		Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20A	T700PA25	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	8270C SIM	Acenaphthylene	4	µg/kg	U	4	Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20A	T700PA25	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	8270C SIM	Anthracene	4	µg/kg	U	4	Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20A	T700PA25	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	8270C SIM	Benzo(a)anthracene	4	µg/kg	U	4	Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20A	T700PA25	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	8270C SIM	Benzo(a)pyrene	4	µg/kg	U	4	Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20A	T700PA25	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	8270C SIM	Benzo(b)fluoranthene	4	µg/kg	U	4	Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20A	T700PA25	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	8270C SIM	Benzo(g,h,i)perylene	4	µg/kg	U	4	Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20A	T700PA25	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	8270C SIM	Benzo(k)fluoranthene	4	µg/kg	U	4	Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20A	T700PA25	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	8270C SIM	Chrysene	4	µg/kg	U	4	Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20A	T700PA25	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	8270C SIM	Dibenzo(a,h)anthracene	4	µg/kg	U	4	Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20A	T700PA25	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	8270C SIM	Fluoranthene	4	µg/kg	U	4	Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20A	T700PA25	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	8270C SIM	Fluorene	4	µg/kg	U	4	Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20A	T700PA25	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	8270C SIM	Indeno(1,2,3-cd)pyrene	4	µg/kg	U	4	Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20A	T700PA25	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	8270C SIM	Naphthalene	4	µg/kg	U	4	Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20A	T700PA25	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	8270C SIM	N-nitrosodimethylamine	9	µg/kg	UJ	9	Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20A	T700PA25	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	8270C SIM	Phenanthrene	4	µg/kg	U	4	Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20A	T700PA25	268448.9375	1786536.875		OGDEN	yes	
RJ203	SRBS28S01	8270C SIM	Pyrene	4	µg/kg	U	4	Soil	4/6/2001	6	Primary Sample	RJ186	no		CEIMIC	010297-20A	T700PA25	268448.9375	1786536.875		OGDEN	yes	
RJ152	SRBS30S01	9045	pH	7.72	pH units	J	0	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700WC35	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	6010B	Aluminum	7220	mg/kg	J		Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700MT38	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	6010B	Antimony	0.47	mg/kg	J		Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700MT38	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	6010B	Arsenic	2.5	mg/kg	J		Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700MT38	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	6010B	Barium	39.6	mg/kg	J		Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700MT38	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	6010B	Beryllium	0.43	mg/kg			Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700MT38	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	6010B	Boron	3.7	mg/kg	U	3.7	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700MT38	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	6010B	Cadmium	0.03	mg/kg	U	0.03	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700MT38	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	6010B	Calcium	1060	mg/kg	J		Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700MT38	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	6010B	Chromium	8.2	mg/kg	J		Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700MT38	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	6010B	Cobalt	3.4	mg/kg			Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700MT38	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	6010B	Copper	7.2	mg/kg	J		Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700MT38	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	6010B	Iron	11300	mg/kg	J		Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700MT38	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	6010B	Lead	3.4	mg/kg	J		Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700MT38	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	6010B	Magnesium	2670	mg/kg	J		Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700MT38	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	6010B	Manganese	114	mg/kg	J		Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700MT38	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	6010B	Molybdenum	0.72	mg/kg	U	0.72	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700MT38	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	6010B	Nickel	3.7	mg/kg	J		Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700MT38	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	6010B	Potassium	817	mg/kg	J		Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700MT38	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	6010B	Selenium	0.31	mg/kg	J		Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700MT38	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	6010B	Silver	0.5	mg/kg	U	0.5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700MT38	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	6010B	Sodium	179	mg/kg	J		Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700MT38	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	6010B	Thallium	1.1	mg/kg	UJ	1.1	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700MT38	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	6010B	Vanadium	20.1	mg/kg	J		Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700MT38	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	6010B	Zinc	161	mg/kg	J		Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700MT38	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	7471A	Mercury	0.02	mg/kg	U	0.02	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700MT38	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8015M	C08-C11 (Gasoline Range)	4	mg/kg	U	4	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700TF27	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8015M	C11-C14 (Kerosene Range)	4	mg/kg	U	4	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700TF27	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8015M	C14-C20 (Diesel Range)	4	mg/kg	U	4	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700TF27	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8015M	C20-C30 (Lubricant Oil Range)	4	mg/kg	U	4	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700TF27	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	1,1,1,2-Tetrachloroethane	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	1,1,1-Trichloroethane	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	1,1,2,2-Tetrachloroethane	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	1,1,2-Trichloroethane	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	1,1,2-Trichlorotrifluoroethane	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	1,1-Dichloroethane	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	1,1-Dichloroethene	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	1,2,4-Trimethylbenzene	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	1,2-Dibromo-3-chloropropane	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	1,2-Dichlorobenzene	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	1,2-Dichloroethane	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	1,2-Dichloroethene (total)	10	µg/kg	U	10	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	1,3,5-Trimethylbenzene	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	1,3-Dichlorobenzene	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	1,4-Dichlorobenzene	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	2-Butanone	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	2-Chloroethyl vinyl ether	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	Acetone	20	µg/kg			Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	Benzene	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	Bromodichloromethane	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	Bromoform	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	Bromomethane	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	Carbon tetrachloride	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	Chlorobenzene	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	Chloroethane	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	Chloroform	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	Chloromethane	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	Chlorotrifluoroethene	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	cis-1,2-Dichloroethene	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	Dichlorodifluoromethane	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	Ethylbenzene	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	m,p-Xylene	0.6	µg/kg	J		Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	Methylene chloride	5	µg/kg	UJ	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	o-Xylene	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	Tetrachloroethene	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	Toluene	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	trans-1,2-Dichloroethene	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	trans-1,3-Dichloropropene	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	Trichloroethene	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	Trichlorofluoromethane	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ152	SRBS30S01	8260B	Vinyl chloride	5	µg/kg	U	5	Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
RJ152	SRBS30S01	8260B	Xylenes (total)	0.6	µg/kg	J		Soil	3/26/2001	5	Primary Sample	RJ149	no		CEIMIC	010272-04	T700VO11	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	9045	pH	7.11	pH units	J	0	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	010418-02	T700WC45	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	6010B	Aluminum	10600	mg/kg			Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	010418-02	T700MT52	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	6010B	Arsenic	4.2	mg/kg			Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	010418-02	T700MT52	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	6010B	Barium	47.8	mg/kg			Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	010418-02	T700MT52	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	6010B	Beryllium	0.62	mg/kg			Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	010418-02	T700MT52	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	6010B	Boron	3.5	mg/kg	U	3.5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	010418-02	T700MT52	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	6010B	Cadmium	0.03	mg/kg	UJ	0.03	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	010418-02	T700MT52	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	6010B	Calcium	1630	mg/kg			Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	010418-02	T700MT52	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	6010B	Chromium	11.2	mg/kg			Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	010418-02	T700MT52	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	6010B	Cobalt	6.5	mg/kg			Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	010418-02	T700MT52	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	6010B	Copper	5.2	mg/kg			Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	010418-02	T700MT52	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	6010B	Iron	16200	mg/kg			Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	010418-02	T700MT52	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	6010B	Lead	4.7	mg/kg			Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	010418-02	T700MT52	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	6010B	Magnesium	4050	mg/kg			Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	010418-02	T700MT52	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	6010B	Manganese	211	mg/kg			Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	010418-02	T700MT52	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	6010B	Molybdenum	0.67	mg/kg	U	0.67	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	010418-02	T700MT52	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	6010B	Nickel	8.1	mg/kg			Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	010418-02	T700MT52	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	6010B	Potassium	1040	mg/kg			Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	010418-02	T700MT52	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	6010B	Selenium	0.53	mg/kg	J		Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	010418-02	T700MT52	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	6010B	Sodium	183	mg/kg			Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	010418-02	T700MT52	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	6010B	Vanadium	29.3	mg/kg			Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	010418-02	T700MT52	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	6010B	Zinc	39.9	mg/kg			Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	010418-02	T700MT52	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	7471A	Mercury	0.1	mg/kg	UJ	0.1	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	010418-02	T700MT52	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8015M	C08-C11 (Gasoline Range)	4	mg/kg	U	4	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	010418-02	T700TF39	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8015M	C11-C14 (Kerosene Range)	4	mg/kg	U	4	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	010418-02	T700TF39	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8015M	C14-C20 (Diesel Range)	4	mg/kg	U	4	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	010418-02	T700TF39	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8015M	C20-C30 (Lubricant Oil Range)	4	mg/kg	UJ	4	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	010418-02	T700TF39	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	1,1,1,2-Tetrachloroethane	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	1,1,1-Trichloroethane	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	1,1,2,2-Tetrachloroethane	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	1,1,2-Trichloroethane	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	1,1,2-Trichlorotrifluoroethane	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	1,1-Dichloroethane	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	1,1-Dichloroethene	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	1,1-Dichloropropene	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	1,2,3-Trichloropropane	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	1,2,4-Trichlorobenzene	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	1,2,4-Trimethylbenzene	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	1,2-Dibromo-3-chloropropane	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	1,2-Dibromoethane	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	1,2-Dichlorobenzene	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	1,2-Dichloroethane	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	1,2-Dichloroethene (total)	10	µg/kg	UJ	10	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	1,2-Dichloropropane	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	1,3,5-Trimethylbenzene	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	1,3-Dichlorobenzene	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	1,3-Dichloropropane	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	1,4-Dichlorobenzene	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	1-Chlorohexane	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	2,2-Dichloropropane	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	2-Butanone	10	µg/kg	UJ	10	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	2-Chloroethyl vinyl ether	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	2-Chlorotoluene	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	2-Hexanone	10	µg/kg	UJ	10	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	4-Chlorotoluene	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	4-Isopropyltoluene	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	4-Methyl-2-pentanone	10	µg/kg	UJ	10	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	Acetone	20	µg/kg	J		Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	Benzene	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	Bromochloromethane	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	Bromodichloromethane	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	Bromoform	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	Bromomethane	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	Carbon disulfide	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	Carbon tetrachloride	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	Chlorobenzene	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	Chloroethane	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	Chloroform	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	Chloromethane	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	Chlorotrifluoroethene	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	cis-1,2-Dichloroethene	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	cis-1,3-Dichloropropene	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	Dibromochloromethane	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	Dibromomethane	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	Dichlorodifluoromethane	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	Ethylbenzene	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	Hexachlorobutadiene	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	Isopropylbenzene	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	m,p-Xylene	10	µg/kg	UJ	10	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	Methyl tert-butyl ether	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	Methylene chloride	7	µg/kg	UJ	7	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	Monobromobenzene	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	Naphthalene	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	n-Butylbenzene	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	n-Propylbenzene	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	o-Xylene	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	sec-Butylbenzene	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	Styrene	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	tert-Butylbenzene	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	Tetrachloroethene	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	Toluene	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	trans-1,2-Dichloroethene	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	trans-1,3-Dichloropropene	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
RJ398	SRBS30S02	8260B	Trichloroethene	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	Trichlorofluoromethane	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	Vinyl chloride	5	µg/kg	UJ	5	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ398	SRBS30S02	8260B	Xylenes (total)	15	µg/kg	UJ	15	Soil	5/16/2001	7.5	Primary Sample	RJ397	no		CEIMIC	LC727	T700VO20	268568.375	1786499.75		OGDEN	yes	
RJ202	SRBS31S01	6010B	Aluminum	6450	mg/kg			Soil	4/6/2001	0.5	Primary Sample	RJ186	no		CEIMIC	010297-16	T700MT40	268693.875	1786751.375		OGDEN	yes	
RJ202	SRBS31S01	6010B	Antimony	0.45	mg/kg	J		Soil	4/6/2001	0.5	Primary Sample	RJ186	no		CEIMIC	010297-16	T700MT40	268693.875	1786751.375		OGDEN	yes	
RJ202	SRBS31S01	6010B	Arsenic	2.7	mg/kg			Soil	4/6/2001	0.5	Primary Sample	RJ186	no		CEIMIC	010297-16	T700MT40	268693.875	1786751.375		OGDEN	yes	
RJ202	SRBS31S01	6010B	Barium	55.1	mg/kg			Soil	4/6/2001	0.5	Primary Sample	RJ186	no		CEIMIC	010297-16	T700MT40	268693.875	1786751.375		OGDEN	yes	
RJ202	SRBS31S01	6010B	Beryllium	0.38	mg/kg			Soil	4/6/2001	0.5	Primary Sample	RJ186	no		CEIMIC	010297-16	T700MT40	268693.875	1786751.375		OGDEN	yes	
RJ202	SRBS31S01	6010B	Boron	2.9	mg/kg	U	2.9	Soil	4/6/2001	0.5	Primary Sample	RJ186	no		CEIMIC	010297-16	T700MT40	268693.875	1786751.375		OGDEN	yes	
RJ202	SRBS31S01	6010B	Cadmium	0.29	mg/kg			Soil	4/6/2001	0.5	Primary Sample	RJ186	no		CEIMIC	010297-16	T700MT40	268693.875	1786751.375		OGDEN	yes	
RJ202	SRBS31S01	6010B	Calcium	2020	mg/kg			Soil	4/6/2001	0.5	Primary Sample	RJ186	no		CEIMIC	010297-16	T700MT40	268693.875	1786751.375		OGDEN	yes	
RJ202	SRBS31S01	6010B	Chromium	10.1	mg/kg			Soil	4/6/2001	0.5	Primary Sample	RJ186	no		CEIMIC	010297-16	T700MT40	268693.875	1786751.375		OGDEN	yes	
RJ202	SRBS31S01	6010B	Cobalt	4.4	mg/kg			Soil	4/6/2001	0.5	Primary Sample	RJ186	no		CEIMIC	010297-16	T700MT40	268693.875	1786751.375		OGDEN	yes	
RJ202	SRBS31S01	6010B	Copper	6.2	mg/kg			Soil	4/6/2001	0.5	Primary Sample	RJ186	no		CEIMIC	010297-16	T700MT40	268693.875	1786751.375		OGDEN	yes	
RJ202	SRBS31S01	6010B	Iron	12800	mg/kg			Soil	4/6/2001	0.5	Primary Sample	RJ186	no		CEIMIC	010297-16	T700MT40	268693.875	1786751.375		OGDEN	yes	
RJ202	SRBS31S01	6010B	Lead	5	mg/kg			Soil	4/6/2001	0.5	Primary Sample	RJ186	no		CEIMIC	010297-16	T700MT40	268693.875	1786751.375		OGDEN	yes	
RJ202	SRBS31S01	6010B	Magnesium	3180	mg/kg			Soil	4/6/2001	0.5	Primary Sample	RJ186	no		CEIMIC	010297-16	T700MT40	268693.875	1786751.375		OGDEN	yes	
RJ202	SRBS31S01	6010B	Manganese	292	mg/kg			Soil	4/6/2001	0.5	Primary Sample	RJ186	no		CEIMIC	010297-16	T700MT40	268693.875	1786751.375		OGDEN	yes	
RJ202	SRBS31S01	6010B	Molybdenum	0.55	mg/kg	U	0.55	Soil	4/6/2001	0.5	Primary Sample	RJ186	no		CEIMIC	010297-16	T700MT40	268693.875	1786751.375		OGDEN	yes	
RJ202	SRBS31S01	6010B	Nickel	5.7	mg/kg			Soil	4/6/2001	0.5	Primary Sample	RJ186	no		CEIMIC	010297-16	T700MT40	268693.875	1786751.375		OGDEN	yes	
RJ202	SRBS31S01	6010B	Potassium	1970	mg/kg			Soil	4/6/2001	0.5	Primary Sample	RJ186	no		CEIMIC	010297-16	T700MT40	268693.875	1786751.375		OGDEN	yes	
RJ202	SRBS31S01	6010B	Selenium	0.77	mg/kg			Soil	4/6/2001	0.5	Primary Sample	RJ186	no		CEIMIC	010297-16	T700MT40	268693.875	1786751.375		OGDEN	yes	
RJ202	SRBS31S01	6010B	Silver	0.38	mg/kg	U	0.38	Soil	4/6/2001	0.5	Primary Sample	RJ186	no		CEIMIC	010297-16	T700MT40	268693.875	1786751.375		OGDEN	yes	
RJ202	SRBS31S01	6010B	Sodium	103	mg/kg			Soil	4/6/2001	0.5	Primary Sample	RJ186	no		CEIMIC	010297-16	T700MT40	268693.875	1786751.375		OGDEN	yes	
RJ202	SRBS31S01	6010B	Thallium	0.15	mg/kg	UJ	0.15	Soil	4/6/2001	0.5	Primary Sample	RJ186	no		CEIMIC	010297-16	T700MT40	268693.875	1786751.375		OGDEN	yes	
RJ202	SRBS31S01	6010B	Vanadium	21.6	mg/kg			Soil	4/6/2001	0.5	Primary Sample	RJ186	no		CEIMIC	010297-16	T700MT40	268693.875	1786751.375		OGDEN	yes	
RJ202	SRBS31S01	6010B	Zinc	84.5	mg/kg			Soil	4/6/2001	0.5	Primary Sample	RJ186	no		CEIMIC	010297-16	T700MT40	268693.875	1786751.375		OGDEN	yes	
RJ202	SRBS31S01	7471A	Mercury	0.04	mg/kg	UJ	0.04	Soil	4/6/2001	0.5	Primary Sample	RJ186	no		CEIMIC	010297-16	T700MT40	268693.875	1786751.375		OGDEN	yes	
RJ202	SRBS31S01	8015M	C08-C11 (Gasoline Range)	4	mg/kg	UJ	4	Soil	4/6/2001	0.5	Primary Sample	RJ186	no		CEIMIC	010297-16	T700TF29	268693.875	1786751.375		OGDEN	yes	
RJ202	SRBS31S01	8015M	C11-C14 (Kerosene Range)	4	mg/kg	UJ	4	Soil	4/6/2001	0.5	Primary Sample	RJ186	no		CEIMIC	010297-16	T700TF29	268693.875	1786751.375		OGDEN	yes	
RJ202	SRBS31S01	8015M	C14-C20 (Diesel Range)	4	mg/kg	UJ	4	Soil	4/6/2001	0.5	Primary Sample	RJ186	no		CEIMIC	010297-16	T700TF29	268693.875	1786751.375		OGDEN	yes	
RJ202	SRBS31S01	8015M	C20-C30 (Lubricant Oil Range)	6.25	mg/kg	J	4	Soil	4/6/2001	0.5	Primary Sample	RJ186	no		CEIMIC	010297-16	T700TF29	268693.875	1786751.375		OGDEN	yes	
RJ223	SRBS32S01	7471A	Mercury	0.12	mg/kg			Soil	4/12/2001	0.5	Primary Sample	RJ210	no		CEIMIC	010329-05	T700MT42	268555.0313	1786458.875		OGDEN	yes	
RJ225	SRBS33S01	7471A	Mercury	0.02	mg/kg	J		Soil	4/12/2001	0.5	Primary Sample	RJ210	no		CEIMIC	010329-07	T700MT42	268547.6562	1786437.75		OGDEN	yes	
RJ226	SRBS34S01	7471A	Mercury	0.3	mg/kg			Soil	4/12/2001	0.5	Primary Sample	RJ210	no		CEIMIC	010329-08	T700MT42	268526.1875	1786438.5		OGDEN	yes	
RJ227	SRBS35S01	7471A	Mercury	0.04	mg/kg	J		Soil	4/12/2001	0.5	Primary Sample	RJ210	no		CEIMIC	010329-09	T700MT42	268530.3437	1786472.625		OGDEN	yes	
RJ414	SRBS37S01	7471A	Mercury	0.5	mg/kg	J	0.1	Soil	5/18/2001	0.5	Primary Sample	RJ397	no		CEIMIC	010418-18	T700MT52	268520.9063	1786396		OGDEN	yes	
MM003	SRBS38S01	1630M	Methyl mercury	0.00362	mg/kg			Soil	8/2/2001	0.5	Primary Sample	MWH8301	no		Frontier		T702MT5	268487.1562	1786388		MWH	yes	
RJ415	SRBS38S01	7471A	Mercury	13.5	mg/kg	J	0.5	Soil	5/18/2001	0.5	Primary Sample	RJ397	no		CEIMIC	010418-19	T700MT52	268487.1562	1786388		OGDEN	yes	
RJ416	SRBS39S01	7471A	Mercury	3.9	mg/kg	J	0.2	Soil	5/18/2001	0.5	Primary Sample	RJ397	no		CEIMIC	010418-20	T700MT52	268450.8125	1786372.25		OGDEN	yes	
MM001	SRBS40S01	1630M	Methyl mercury	0.00161	mg/kg			Soil	8/2/2001	0.5	Primary Sample	MWH8301	no		Frontier		T702MT5	268455.5	1786318.375		MWH	yes	
RJ417	SRBS40S01	7471A	Mercury	35	mg/kg	J	0.1	Soil	5/18/2001	0.5	Primary Sample	RJ417	no		CEIMIC	010419-01	T700MT54	268455.5	1786318.375		OGDEN	yes	
RJ418	SRBS41S01	7471A	Mercury	0.1	mg/kg	UJ	0.1	Soil	5/18/2001	0.5	Primary Sample	RJ417	no		CEIMIC	010419-02	T700MT54	268454.0938	1786268.125		OGDEN	yes	
RJ422	SRBS41S02	7471A	Mercury	0.1	mg/kg	UJ	0.1	Soil	5/22/2001	3	Primary Sample	RJ417	no		CEIMIC	010419-06	T700MT54	268454.0938	1786268.125		OGDEN	yes	
RJ419	SRBS42S01	7471A	Mercury	0.1	mg/kg	UJ	0.1	Soil	5/18/2001	0.5	Primary Sample	RJ417	no		CEIMIC	010419-03	T700MT54	268455.5	1786237.75		OGDEN	yes	
MJ010	SRBS43S01	7471A	Mercury	0.31	mg/kg		0.03	Soil	8/2/2001	0.5	Primary Sample	MJ001	no		CEIMIC	010662-10	T702MT1	268426.4063	1786407.125		MWH	yes	
MJ011	SRBS44S01	7471A	Mercury	0.26	mg/kg		0.03	Soil	8/2/2001	0.5	Primary Sample	MJ001	no		CEIMIC	010662-11	T702MT1	268403.8437	1786347.25		MWH	yes	
MJ015	SRBS45S01	7471A	Mercury	0.78	mg/kg		0.03	Soil	8/2/2001	0.5	Primary Sample	MJ001	no		CEIMIC	010662-15	T702MT1	268522.8125	1786415.25		MWH	yes	
MJ018	SRBS46S01	7471A	Mercury	0.23	mg/kg		0.03	Soil	8/2/2001	0.5	Primary Sample	MJ001	no		CEIMIC	010662-18	T702MT1	268477.8437	1786460.625		MWH	yes	
MJ017	SRBS47S01	7471A	Mercury	0.1	mg/kg		0.04	Soil	8/2/2001	0.5	Primary Sample	MJ001	no		CEIMIC	010662-17	T702MT1	268508.125	1786437.875		MWH	yes	
MJ016	SRBS48S01	7471A	Mercury	0.21	mg/kg		0.03	Soil	8/2/2001	0.5	Primary Sample	MJ001	no		CEIMIC	010662-16	T702MT1	268408	1786289.25		MWH	yes	
MJ020	SRBS49S01	7471A	Mercury	0.32	mg/kg		0.03	Soil	8/2/2001	0.5	Primary Sample	MJ001	no		CEIMIC	010662-20	T702MT1	268469.625	1786432		MWH	yes	
MJ013	SRBS50S01	7471A	Mercury	0.11	mg/kg		0.03	Soil	8/2/2001	0.5	Primary Sample	MJ001	no		CEIMIC	010662-13	T702MT1	268512.5938	1786473.875		MWH	yes	
MJ012	SRBS51S01	7471A	Mercury	0.13	mg/kg		0.03	Soil	8/2/2001	0.5	Primary Sample	MJ001	no		CEIMIC	010662-12	T702MT1	268521.875	1786457.625		MWH	yes	
MJ014	SRBS52S01	7471A	Mercury	1.1	mg/kg		0.03	Soil	8/2/2001	0.5	Primary Sample	MJ001	no		CEIMIC	010662-14	T702MT1	268488.75	1786414		MWH	yes	
MJ248	SRBS53S01	8082	Aroclor 1016	37	µg/kg	UJ	37	Soil	5/22/2003	0	Primary Sample	MJ246	no	T	CEIMIC	030606-03	T702PP4	268092.677	1786461.525		MWH	yes	
MJ248	SRBS53S01	8082	Aroclor 1221	75	µg/kg	UJ	75	Soil	5/22/2003	0	Primary Sample	MJ246	no	T	CEIMIC	030606-03	T702PP4	268092.677	1786461.525		MWH	yes	
MJ248	SRBS53S01	8082	Aroclor 1232	37	µg/kg	UJ	37	Soil	5/22/2003	0	Primary Sample	MJ246	no	T	CEIMIC	030606-03	T702PP4	268092.677	1786461.525		MWH	yes	
MJ248	SRBS53S01	8082	Aroclor 1242	37	µg/kg	UJ	37	Soil	5/22/2003	0	Primary Sample	MJ246	no	T	CEIMIC	030606-03	T702PP4	268092.677	1786461.525		MWH	yes	
MJ248	SRBS53S01	8082	Aroclor 1248	37	µg/kg	UJ	37	Soil	5/22/2003	0	Primary Sample	MJ246	no	T	CEIMIC	030606-03	T702PP4	268092.677	1786461.525		MWH	yes	
MJ248	SRBS53S01	8082	Aroclor 1254	120	µg/kg	J	37	Soil	5/22/2003	0	Primary Sample	MJ246	no	T	CEIMIC	030606-03	T702PP4	268092.677	1786461.525		MWH	yes	
MJ248	SRBS53S01	8082	Aroclor 1260	37	µg/kg	UJ	37	Soil	5/22/2003	0	Primary Sample	MJ246	no	T	CEIMIC	030606-03	T702PP4	268092.677	1786461.525		MWH	yes	
MJ623	SRBS54S01	8082	Aroclor 1016	1100	µg/kg	U	1100	Soil	2/14/2006	0.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-01	B5PP10	268175.031	1786546.667		MWH	yes	
MJ623	SRBS54S01	8082	Aroclor 1221	1100	µg/kg	U	1100	Soil	2/14/2006	0.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-01	B5PP10	268175.031	1786546.667		MWH	yes	
MJ623	SRBS54S01	8082	Aroclor 1232	1100	µg/kg	U	1100	Soil	2/14/2006	0.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-01	B5PP10	268175.031	1786546.667		MWH	yes	
MJ623	SRBS54S01	8082	Aroclor 1242	1100	µg/kg	U	1100	Soil	2/14/2006	0.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-01	B5PP10	268175.031	1786546.667		MWH	yes	
MJ623	SRBS54S01	8082	Aroclor 1248	1100	µg/kg	U	1100	Soil	2/14/2006	0.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-01	B5PP10	268175.031	1786546.667		MWH	yes	
MJ623	SRBS54S01	8082	Aroclor 1254	1100	µg/kg	U	1100	Soil	2/14/2006	0.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-01	B5PP10	268175.031	1786546.667		MWH	yes	
MJ623	SRBS54S01	8082	Aroclor 1260	6900	µg/kg		1100	Soil	2/14/2006	0.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-01	B5PP10	268175.031	1786546.667		MWH	yes	
MJ624	SRBS54S02	8082	Aroclor 1016	1100	µg/kg	U	1100	Soil	2/14/2006	0.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-02	B5PP10	268185.3741	1786547.78		MWH	yes	
MJ624	SRBS54S02	8082	Aroclor 1221	1100	µg/kg	U	1100	Soil	2/14/2006	0.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-02	B5PP10	268185.3741	1786547.78		MWH	yes	
MJ624	SRBS54S02	8082	Aroclor 1232	1100	µg/kg	U	1100	Soil	2/14/2006	0.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-02	B5PP10	268185.3741	1786547.78		MWH	yes	
MJ624	SRBS54S02	8082	Aroclor 1242	1100	µg/kg	U	1100	Soil	2/14/2006	0.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-02	B5PP10	268185.3741	1786547.78		MWH	yes	
MJ624	SRBS54S02	8082	Aroclor 1248	1100	µg/kg	U	1100	Soil	2/14/2006	0.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-02	B5PP10	268185.3741	1786547.78		MWH	yes	
MJ624	SRBS54S02	8082	Aroclor 1254	1100	µg/kg	U	1100	Soil	2/14/2006	0.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-02	B5PP10	268185.3741	1786547.78		MWH	yes	
MJ624	SRBS54S02	8082	Aroclor 1260	6400	µg/kg		1100	Soil	2/14/2006	0.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-02	B5PP10	268185.3741	1786547.78		MWH	yes	
MJ625	SRBS54S03	8082	Aroclor 1016	540	µg/kg	U	540	Soil	2/14/2006	0.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-03	B5PP10	268194.1378	1786554.361		MWH	yes	
MJ625	SRBS54S03	8082	Aroclor 1221	540	µg/kg	U	540	Soil	2/14/2006	0.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-03	B5PP10	268194.1378	1786554.361		MWH	yes	
MJ625	SRBS54S03	8082	Aroclor 1232	540	µg/kg	U	540	Soil	2/14/2006	0.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-03	B5PP10	268194.1378	1786554.361		MWH	yes	
MJ625	SRBS54S03	8082	Aroclor 1242	540	µg/kg	U	540	Soil	2/14/2006	0.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-03	B5PP10	268194.1378	1786554.361		MWH	yes	
MJ625	SRBS54S03	8082	Aroclor 1248	540	µg/kg	U	540	Soil	2/14/2006	0.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-03	B5PP10	268194.1378	1786554.361		MWH	yes	
MJ625	SRBS54S03	8082	Aroclor 1254	540	µg/kg	U	540	Soil	2/14/2006	0.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-03	B5PP10	268194.1378	1786554.361		MWH	yes	
MJ625	SRBS54S03	8082	Aroclor 1260	4800	µg/kg		540	Soil	2/14/2006	0.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-03	B5PP10	268194.1378	1786554.361		MWH	yes	
MJ626	SRBS54S04	8082	Aroclor 1016	1100	µg/kg	U	1100	Soil	2/14/2006	0.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-04	B5PP10	268199.3446	1786564.472		MWH	yes	
MJ626	SRBS54S04	8082	Aroclor 1221	1100	µg/kg	U	1100	Soil	2/14/2006	0.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-04	B5PP10	268199.3446	1786564.472		MWH	yes	
MJ626	SRBS54S04	8082	Aroclor 1232	1100	µg/kg	U	1100	Soil	2/14/2006	0.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-04	B5PP10	268199.3446	1786564.472		MWH	yes	
MJ626	SRBS54S04	8082	Aroclor 1242	1100	µg/kg	U	1100	Soil	2/14/2006	0.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-04	B5PP10	268199.3446	1786564.472		MWH	yes	
MJ626	SRBS54S04	8082	Aroclor 1248	1100	µg/kg	U	1100	Soil	2/14/2006	0.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-04	B5PP10	268199.3446	1786564.472		MWH	yes	
MJ626	SRBS54S04	8082	Aroclor 1254	1100	µg/kg	U	1100	Soil	2/14/2006	0.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-04	B5PP10	268199.3446	1786564.472		MWH	yes	
MJ626	SRBS54S04	8082	Aroclor 1260	7800	µg/kg		1100	Soil	2/14/2006	0.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-04	B5PP10	268199.3446	1786564.472		MWH	yes	
MJ627	SRBS54S05	8082	Aroclor 1016	56	µg/kg	U	56	Soil	2/14/2006	2.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-05	B5PP10	268181.113	1786543.066		MWH	yes	
MJ627	SRBS54S05	8082	Aroclor 1221	56	µg/kg	U	56	Soil	2/14/2006	2.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-05	B5PP10	268181.113	1786543.066		MWH	yes	
MJ627	SRBS54S05	8082	Aroclor 1232	56	µg/kg	U	56	Soil	2/14/2006	2.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-05	B5PP10	268181.113	1786543.066		MWH	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
MJ627	SRBS54S05	8082	Aroclor 1242	56	µg/kg	U	56	Soil	2/14/2006	2.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-05	B5PP10	268181.113	1786543.066		MWH	yes	
MJ627	SRBS54S05	8082	Aroclor 1248	56	µg/kg	U	56	Soil	2/14/2006	2.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-05	B5PP10	268181.113	1786543.066		MWH	yes	
MJ627	SRBS54S05	8082	Aroclor 1254	56	µg/kg	U	56	Soil	2/14/2006	2.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-05	B5PP10	268181.113	1786543.066		MWH	yes	
MJ627	SRBS54S05	8082	Aroclor 1260	140	µg/kg		56	Soil	2/14/2006	2.5	Primary Sample	IPC1562	no	T	DELMAR	IPC1562-05	B5PP10	268181.113	1786543.066		MWH	yes	
MJ622	SRBS54S70	8082	Aroclor 1016	540	µg/kg	U	540	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no	T	DELMAR	IPB1429-14	B5PP3				MWH	no	composite data; discretes analyzed when composites yielded detection
MJ622	SRBS54S70	8082	Aroclor 1221	540	µg/kg	U	540	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no	T	DELMAR	IPB1429-14	B5PP3				MWH	no	composite data; discretes analyzed when composites yielded detection
MJ622	SRBS54S70	8082	Aroclor 1232	540	µg/kg	U	540	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no	T	DELMAR	IPB1429-14	B5PP3				MWH	no	composite data; discretes analyzed when composites yielded detection
MJ622	SRBS54S70	8082	Aroclor 1242	540	µg/kg	U	540	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no	T	DELMAR	IPB1429-14	B5PP3				MWH	no	composite data; discretes analyzed when composites yielded detection
MJ622	SRBS54S70	8082	Aroclor 1248	540	µg/kg	U	540	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no	T	DELMAR	IPB1429-14	B5PP3				MWH	no	composite data; discretes analyzed when composites yielded detection
MJ622	SRBS54S70	8082	Aroclor 1254	540	µg/kg	U	540	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no	T	DELMAR	IPB1429-14	B5PP3				MWH	no	composite data; discretes analyzed when composites yielded detection
MJ622	SRBS54S70	8082	Aroclor 1260	6300	µg/kg		540	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no	T	DELMAR	IPB1429-14	B5PP3				MWH	no	composite data; discretes analyzed when composites yielded detection
MJ628	SRBS55S01	8082	Aroclor 1016	53	µg/kg	U	53	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no	T	DELMAR	IPB1429-16	B5PP3	268098.5909	1786449.203		MWH	yes	
MJ628	SRBS55S01	8082	Aroclor 1221	53	µg/kg	U	53	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no	T	DELMAR	IPB1429-16	B5PP3	268098.5909	1786449.203		MWH	yes	
MJ628	SRBS55S01	8082	Aroclor 1232	53	µg/kg	U	53	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no	T	DELMAR	IPB1429-16	B5PP3	268098.5909	1786449.203		MWH	yes	
MJ628	SRBS55S01	8082	Aroclor 1242	53	µg/kg	U	53	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no	T	DELMAR	IPB1429-16	B5PP3	268098.5909	1786449.203		MWH	yes	
MJ628	SRBS55S01	8082	Aroclor 1248	53	µg/kg	U	53	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no	T	DELMAR	IPB1429-16	B5PP3	268098.5909	1786449.203		MWH	yes	
MJ628	SRBS55S01	8082	Aroclor 1254	430	µg/kg		53	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no	T	DELMAR	IPB1429-16	B5PP3	268098.5909	1786449.203		MWH	yes	
MJ628	SRBS55S01	8082	Aroclor 1260	53	µg/kg	U	53	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no	T	DELMAR	IPB1429-16	B5PP3	268098.5909	1786449.203		MWH	yes	
MJ629	SRBS56S01	8082	Aroclor 1016	82	µg/kg	U	82	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no	T	DELMAR	IPB1429-17	B5PP3	268085.0367	1786473.477		MWH	yes	
MJ629	SRBS56S01	8082	Aroclor 1221	82	µg/kg	U	82	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no	T	DELMAR	IPB1429-17	B5PP3	268085.0367	1786473.477		MWH	yes	
MJ629	SRBS56S01	8082	Aroclor 1232	82	µg/kg	U	82	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no	T	DELMAR	IPB1429-17	B5PP3	268085.0367	1786473.477		MWH	yes	
MJ629	SRBS56S01	8082	Aroclor 1242	82	µg/kg	U	82	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no	T	DELMAR	IPB1429-17	B5PP3	268085.0367	1786473.477		MWH	yes	
MJ629	SRBS56S01	8082	Aroclor 1248	82	µg/kg	U	82	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no	T	DELMAR	IPB1429-17	B5PP3	268085.0367	1786473.477		MWH	yes	
MJ629	SRBS56S01	8082	Aroclor 1254	160	µg/kg		82	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no	T	DELMAR	IPB1429-17	B5PP3	268085.0367	1786473.477		MWH	yes	
MJ629	SRBS56S01	8082	Aroclor 1260	82	µg/kg	U	82	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no	T	DELMAR	IPB1429-17	B5PP3	268085.0367	1786473.477		MWH	yes	
MJ630	SRBS58S01	6020	Arsenic	1.2	mg/kg		0.27	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-18	B5MT11	268397.3491	1786691.09		MWH	yes	
MJ630	SRBS58S01	6020	Barium	56	mg/kg	J	0.086	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-18	B5MT11	268397.3491	1786691.09		MWH	yes	
MJ630	SRBS58S01	6020	Beryllium	0.26	mg/kg		0.043	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-18	B5MT11	268397.3491	1786691.09		MWH	yes	
MJ630	SRBS58S01	6020	Cadmium	0.22	mg/kg	J	0.021	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-18	B5MT11	268397.3491	1786691.09		MWH	yes	
MJ630	SRBS58S01	6020	Chromium	8	mg/kg	J	0.32	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-18	B5MT11	268397.3491	1786691.09		MWH	yes	
MJ630	SRBS58S01	6020	Cobalt	2.8	mg/kg		0.021	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-18	B5MT11	268397.3491	1786691.09		MWH	yes	
MJ630	SRBS58S01	6020	Copper	5.3	mg/kg	J	0.21	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-18	B5MT11	268397.3491	1786691.09		MWH	yes	
MJ630	SRBS58S01	6020	Lead	5.5	mg/kg	J	0.021	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-18	B5MT11	268397.3491	1786691.09		MWH	yes	
MJ630	SRBS58S01	6020	Molybdenum	0.65	mg/kg	J	0.11	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-18	B5MT11	268397.3491	1786691.09		MWH	yes	
MJ630	SRBS58S01	6020	Nickel	4.5	mg/kg	J	0.21	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-18	B5MT11	268397.3491	1786691.09		MWH	yes	
MJ630	SRBS58S01	6020	Selenium	0.21	mg/kg	UJ	0.21	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-18	B5MT11	268397.3491	1786691.09		MWH	yes	
MJ630	SRBS58S01	6020	Silver	0.034	mg/kg	UJ	0.034	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-18	B5MT11	268397.3491	1786691.09		MWH	yes	
MJ630	SRBS58S01	6020	Thallium	0.19	mg/kg		0.11	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-18	B5MT11	268397.3491	1786691.09		MWH	yes	
MJ630	SRBS58S01	6020	Vanadium	15	mg/kg	J	0.43	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-18	B5MT11	268397.3491	1786691.09		MWH	yes	
MJ630	SRBS58S01	6020	Zinc	48	mg/kg	J	0.54	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-18	B5MT11	268397.3491	1786691.09		MWH	yes	
MJ630	SRBS58S01	8082	Aroclor 1016	54	µg/kg	U	54	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-18	B5PP3	268397.3491	1786691.09		MWH	yes	
MJ630	SRBS58S01	8082	Aroclor 1221	54	µg/kg	U	54	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-18	B5PP3	268397.3491	1786691.09		MWH	yes	
MJ630	SRBS58S01	8082	Aroclor 1232	54	µg/kg	U	54	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-18	B5PP3	268397.3491	1786691.09		MWH	yes	
MJ630	SRBS58S01	8082	Aroclor 1242	54	µg/kg	U	54	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-18	B5PP3	268397.3491	1786691.09		MWH	yes	
MJ630	SRBS58S01	8082	Aroclor 1248	54	µg/kg	U	54	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-18	B5PP3	268397.3491	1786691.09		MWH	yes	
MJ630	SRBS58S01	8082	Aroclor 1254	54	µg/kg	U	54	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-18	B5PP3	268397.3491	1786691.09		MWH	yes	
MJ630	SRBS58S01	8082	Aroclor 1260	54	µg/kg	U	54	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-18	B5PP3	268397.3491	1786691.09		MWH	yes	
MJ630	SRBS58S01	6010B	Aluminum	8300	mg/kg		5.4	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-18	B5MT11	268397.3491	1786691.09		MWH	yes	
MJ630	SRBS58S01	6010B	Boron	4.4	mg/kg	UJ	4.4	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-18	B5MT11	268397.3491	1786691.09		MWH	yes	
MJ630	SRBS58S01	7471A	Mercury	0.025	mg/kg		0.0032	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-18	B5MT11	268397.3491	1786691.09		MWH	yes	
MJ630	SRBS58S01	8015 MOD.	C08-C11 (Gasoline Range)	5.4	mg/kg	U	5.4	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-18	B5TF1	268397.3491	1786691.09		MWH	yes	
MJ630	SRBS58S01	8015 MOD.	C12-C14 (Kerosene Range)	5.4	mg/kg	U	5.4	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-18	B5TF1	268397.3491	1786691.09		MWH	yes	
MJ630	SRBS58S01	8015 MOD.	C15-C20 (Diesel Range)	5.4	mg/kg	U	5.4	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-18	B5TF1	268397.3491	1786691.09		MWH	yes	
MJ630	SRBS58S01	8015 MOD.	C21-C30 (Lubricant Oil Range)	5.4	mg/kg	U	5.4	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-18	B5TF1	268397.3491	1786691.09		MWH	yes	
MJ631	SRBS59S01	6020	Arsenic	1.2	mg/kg		0.27	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-19	B5MT11	268398.4586	1786733.5		MWH	yes	
MJ631	SRBS59S01	6020	Barium	56	mg/kg	J	0.085	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-19	B5MT11	268398.4586	1786733.5		MWH	yes	
MJ631	SRBS59S01	6020	Beryllium	0.29	mg/kg		0.043	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-19	B5MT11	268398.4586	1786733.5		MWH	yes	
MJ631	SRBS59S01	6020	Cadmium	0.17	mg/kg	J	0.021	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-19	B5MT11	268398.4586	1786733.5		MWH	yes	
MJ631	SRBS59S01	6020	Chromium	9	mg/kg	J	0.32	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-19	B5MT11	268398.4586	1786733.5		MWH	yes	
MJ631	SRBS59S01	6020	Cobalt	3.2	mg/kg		0.021	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-19	B5MT11	268398.4586	1786733.5		MWH	yes	
MJ631	SRBS59S01	6020	Copper	5.8	mg/kg	J	0.21	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-19	B5MT11	268398.4586	1786733.5		MWH	yes	
MJ631	SRBS59S01	6020	Lead	11	mg/kg		0.021	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-19	B5MT11	268398.4586	1786733.5		MWH	yes	
MJ631	SRBS59S01	6020	Molybdenum	0.33	mg/kg	UJ	0.33	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-19	B5MT11	268398.4586	1786733.5		MWH	yes	
MJ631	SRBS59S01	6020	Nickel	5.9	mg/kg	J	0.21	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-19	B5MT11	268398.4586	1786733.5		MWH	yes	
MJ631	SRBS59S01	6020	Selenium	0.21	mg/kg	UJ	0.21	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-19	B5MT11	268398.4586	1786733.5		MWH	yes	
MJ631	SRBS59S01	6020	Silver	0.037	mg/kg	UJ	0.037	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-19	B5MT11	268398.4586	1786733.5		MWH	yes	
MJ631	SRBS59S01	6020	Thallium	0.19	mg/kg		0.11	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-19	B5MT11	268398.4586	1786733.5		MWH	yes	
MJ631	SRBS59S01	6020	Vanadium	16	mg/kg	J	0.43	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-19	B5MT11	268398.4586	1786733.5		MWH	yes	
MJ631	SRBS59S01	6020	Zinc	60	mg/kg	J	0.53	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-19	B5MT11	268398.4586	1786733.5		MWH	yes	
MJ631	SRBS59S01	8082	Aroclor 1016	53	µg/kg	U	53	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-19	B5PP3	268398.4586	1786733.5		MWH	yes	
MJ631	SRBS59S01	8082	Aroclor 1221	53	µg/kg	U	53	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-19	B5PP3	268398.4586	1786733.5		MWH	yes	
MJ631	SRBS59S01	8082	Aroclor 1232	53	µg/kg	U	53	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-19	B5PP3	268398.4586	1786733.5		MWH	yes	
MJ631	SRBS59S01	8082	Aroclor 1242	53	µg/kg	U	53	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-19	B5PP3	268398.4586	1786733.5		MWH	yes	
MJ631	SRBS59S01	8082	Aroclor 1248	53	µg/kg	U	53	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-19	B5PP3	268398.4586	1786733.5		MWH	yes	
MJ631	SRBS59S01	8082	Aroclor 1254	53	µg/kg	U	53	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-19	B5PP3	268398.4586	1786733.5		MWH	yes	
MJ631	SRBS59S01	8082	Aroclor 1260	53	µg/kg	U	53	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-19	B5PP3	268398.4586	1786733.5		MWH	yes	
MJ631	SRBS59S01	6010B	Aluminum	9100	mg/kg		5.3	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-19	B5MT11	268398.4586	1786733.5		MWH	yes	
MJ631	SRBS59S01	6010B	Boron	4.6	mg/kg	UJ	4.6	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-19	B5MT11	268398.4586	1786733.5		MWH	yes	
MJ631	SRBS59S01	7471A	Mercury	0.022	mg/kg		0.0032	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-19	B5MT11	268398.4586	1786733.5		MWH	yes	
MJ631	SRBS59S01	8015 MOD.	C08-C11 (Gasoline Range)	5.3	mg/kg	U	5.3	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-19	B5TF1	268398.4586	1786733.5		MWH	yes	
MJ631	SRBS59S01	8015 MOD.	C12-C14 (Kerosene Range)	5.3	mg/kg	U	5.3	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-19	B5TF1	268398.4586	1786733.5		MWH	yes	
MJ631	SRBS59S01	8015 MOD.	C15-C20 (Diesel Range)	5.3	mg/kg	U	5.3	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-19	B5TF1	268398.4586	1786733.5		MWH	yes	
MJ631	SRBS59S01	8015 MOD.	C21-C30 (Lubricant Oil Range)	11	mg/kg		5.3	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-19	B5TF1	268398.4586	1786733.5		MWH	yes	
MJ635	SRBS60S01	6020	Selenium	0.23	mg/kg	UJ	0.23	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-23	B5MT11	268544.8742	1786532.645		MWH	yes	
MJ635	SRBS60S01	6020	Silver	0.14	mg/kg		0.023	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-23	B5MT11	268544.8742	1786532.645		MWH	yes	
MJ635	SRBS60S01	6020	Thallium	0.16	mg/kg		0.11	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-23	B5MT11	268544.8742	1786532.645		MWH	yes	
MJ635	SRBS60S01	8082	Aroclor 1016	85	µg/kg	UJ	85	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-23	B5PP3	268544.8742	1786532.645		MWH	yes	
MJ635	SRBS60S01	8082	Aroclor 1221	85	µg/kg	UJ	85	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-23	B5PP3	268544.8742	1786532.645		MWH	yes	
MJ635	SRBS60S01	8082	Aroclor 1232	85	µg/kg	UJ	85	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-23	B5PP3	268544.8742	1786532.645		MWH	yes	
MJ635	SRBS60S01	8082	Aroclor 1242	85	µg/kg	UJ	85	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-23	B5PP3	268544.8742	1786532.645		MWH	yes	
MJ635	SRBS60S01	8082	Aroclor 1248	85	µg/kg	UJ	85	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-23	B5PP3	268544.8742	1786532.645		MWH	yes	
MJ635	SRBS60S01	8082	Aroclor 1254	110	µg/kg	J	85	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-23	B5PP3	268544.8742	1786532.645		MWH	yes	
MJ635	SRBS60S01	8082	Aroclor 1260	180	µg/kg	J	85	Soil	2/14/2006	0.5	Primary Sample	IPB1429	no		DELMAR	IPB1429-23	B5PP3	268544.8742	1786532.645		MWH	yes	
MJ636	SRBS60S02	1613	1,2,3,4,6,7,8-HpCDD	1320	ng/kg			Soil	2/14/2006	2	Primary Sample	IPB1429	no		ALTA	IPB1429-24	B5DF3	268544.8742	1786532.645		MWH	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
MJ636	SRBS60S02	1613	1,2,3,4,6,7,8-HpCDF	100	ng/kg	J		Soil	2/14/2006	2	Primary Sample	IPB1429	no		ALTA	IPB1429-24	B5DF3	268544.8742	1786532.645		MWH	yes	
MJ636	SRBS60S02	1613	1,2,3,4,7,8,9-HpCDF	10	ng/kg			Soil	2/14/2006	2	Primary Sample	IPB1429	no		ALTA	IPB1429-24	B5DF3	268544.8742	1786532.645		MWH	yes	
MJ636	SRBS60S02	1613	1,2,3,4,7,8-HxCDD	5.25	ng/kg			Soil	2/14/2006	2	Primary Sample	IPB1429	no		ALTA	IPB1429-24	B5DF3	268544.8742	1786532.645		MWH	yes	
MJ636	SRBS60S02	1613	1,2,3,4,7,8-HxCDF	3.65	ng/kg			Soil	2/14/2006	2	Primary Sample	IPB1429	no		ALTA	IPB1429-24	B5DF3	268544.8742	1786532.645		MWH	yes	
MJ636	SRBS60S02	1613	1,2,3,6,7,8-HxCDD	32.8	ng/kg			Soil	2/14/2006	2	Primary Sample	IPB1429	no		ALTA	IPB1429-24	B5DF3	268544.8742	1786532.645		MWH	yes	
MJ636	SRBS60S02	1613	1,2,3,6,7,8-HxCDF	3.37	ng/kg			Soil	2/14/2006	2	Primary Sample	IPB1429	no		ALTA	IPB1429-24	B5DF3	268544.8742	1786532.645		MWH	yes	
MJ636	SRBS60S02	1613	1,2,3,7,8,9-HxCDD	10.6	ng/kg			Soil	2/14/2006	2	Primary Sample	IPB1429	no		ALTA	IPB1429-24	B5DF3	268544.8742	1786532.645		MWH	yes	
MJ636	SRBS60S02	1613	1,2,3,7,8,9-HxCDF	0.968	ng/kg	J		Soil	2/14/2006	2	Primary Sample	IPB1429	no		ALTA	IPB1429-24	B5DF3	268544.8742	1786532.645		MWH	yes	
MJ636	SRBS60S02	1613	1,2,3,7,8-PeCDD	2.2	ng/kg	J		Soil	2/14/2006	2	Primary Sample	IPB1429	no		ALTA	IPB1429-24	B5DF3	268544.8742	1786532.645		MWH	yes	
MJ636	SRBS60S02	1613	1,2,3,7,8-PeCDF	0.58	ng/kg	J		Soil	2/14/2006	2	Primary Sample	IPB1429	no		ALTA	IPB1429-24	B5DF3	268544.8742	1786532.645		MWH	yes	
MJ636	SRBS60S02	1613	2,3,4,6,7,8-HxCDF	6.44	ng/kg			Soil	2/14/2006	2	Primary Sample	IPB1429	no		ALTA	IPB1429-24	B5DF3	268544.8742	1786532.645		MWH	yes	
MJ636	SRBS60S02	1613	2,3,4,7,8-PeCDF	1.64	ng/kg	J		Soil	2/14/2006	2	Primary Sample	IPB1429	no		ALTA	IPB1429-24	B5DF3	268544.8742	1786532.645		MWH	yes	
MJ636	SRBS60S02	1613	2,3,7,8-TCDD	0.534	ng/kg			Soil	2/14/2006	2	Primary Sample	IPB1429	no		ALTA	IPB1429-24	B5DF3	268544.8742	1786532.645		MWH	yes	
MJ636	SRBS60S02	1613	2,3,7,8-TCDF	0.789	ng/kg	J		Soil	2/14/2006	2	Primary Sample	IPB1429	no		ALTA	IPB1429-24	B5DF3	268544.8742	1786532.645		MWH	yes	
MJ636	SRBS60S02	1613	OCDD	18600	ng/kg			Soil	2/14/2006	2	Primary Sample	IPB1429	no		ALTA	IPB1429-24	B5DF3	268544.8742	1786532.645		MWH	yes	
MJ636	SRBS60S02	1613	OCDF	245	ng/kg			Soil	2/14/2006	2	Primary Sample	IPB1429	no		ALTA	IPB1429-24	B5DF3	268544.8742	1786532.645		MWH	yes	
MJ636	SRBS60S02	1613	TCDD TEQ (ND = 0)	26.1542	ng/kg			Soil	2/14/2006	2	Primary Sample	IPB1429	no		ALTA	IPB1429-24	B5DF3	268544.8742	1786532.645		MWH	yes	
MJ636	SRBS60S02	1613	Total HpCDD	2440	ng/kg			Soil	2/14/2006	2	Primary Sample	IPB1429	no		ALTA	IPB1429-24	B5DF3	268544.8742	1786532.645		MWH	yes	
MJ636	SRBS60S02	1613	Total HpCDF	427	ng/kg	J		Soil	2/14/2006	2	Primary Sample	IPB1429	no		ALTA	IPB1429-24	B5DF3	268544.8742	1786532.645		MWH	yes	
MJ636	SRBS60S02	1613	Total HxCDD	264	ng/kg			Soil	2/14/2006	2	Primary Sample	IPB1429	no		ALTA	IPB1429-24	B5DF3	268544.8742	1786532.645		MWH	yes	
MJ636	SRBS60S02	1613	Total HxCDF	192	ng/kg	J		Soil	2/14/2006	2	Primary Sample	IPB1429	no		ALTA	IPB1429-24	B5DF3	268544.8742	1786532.645		MWH	yes	
MJ636	SRBS60S02	1613	Total PeCDD	16	ng/kg			Soil	2/14/2006	2	Primary Sample	IPB1429	no		ALTA	IPB1429-24	B5DF3	268544.8742	1786532.645		MWH	yes	
MJ636	SRBS60S02	1613	Total PeCDF	41.3	ng/kg			Soil	2/14/2006	2	Primary Sample	IPB1429	no		ALTA	IPB1429-24	B5DF3	268544.8742	1786532.645		MWH	yes	
MJ636	SRBS60S02	1613	Total TCDD	3.12	ng/kg			Soil	2/14/2006	2	Primary Sample	IPB1429	no		ALTA	IPB1429-24	B5DF3	268544.8742	1786532.645		MWH	yes	
MJ636	SRBS60S02	1613	Total TCDF	9.32	ng/kg			Soil	2/14/2006	2	Primary Sample	IPB1429	no		ALTA	IPB1429-24	B5DF3	268544.8742	1786532.645		MWH	yes	
MJ637	SRBS61S01	1613	1,2,3,4,6,7,8-HpCDD	1.02	ng/kg	J		Soil	2/15/2006	4	Primary Sample	IPB1641	no		ALTA	IPB1641-01	B5DF5	268494.1985	1786523.136		MWH	yes	
MJ637	SRBS61S01	1613	1,2,3,4,6,7,8-HpCDF	0.195	ng/kg	UJ	0.195	Soil	2/15/2006	4	Primary Sample	IPB1641	no		ALTA	IPB1641-01	B5DF5	268494.1985	1786523.136		MWH	yes	
MJ637	SRBS61S01	1613	1,2,3,4,7,8,9-HpCDF	0.131	ng/kg	U	0.131	Soil	2/15/2006	4	Primary Sample	IPB1641	no		ALTA	IPB1641-01	B5DF5	268494.1985	1786523.136		MWH	yes	
MJ637	SRBS61S01	1613	1,2,3,4,7,8-HxCDD	0.207	ng/kg	U	0.207	Soil	2/15/2006	4	Primary Sample	IPB1641	no		ALTA	IPB1641-01	B5DF5	268494.1985	1786523.136		MWH	yes	
MJ637	SRBS61S01	1613	1,2,3,4,7,8-HxCDF	0.0782	ng/kg	U	0.0782	Soil	2/15/2006	4	Primary Sample	IPB1641	no		ALTA	IPB1641-01	B5DF5	268494.1985	1786523.136		MWH	yes	
MJ637	SRBS61S01	1613	1,2,3,6,7,8-HxCDD	0.218	ng/kg	U	0.218	Soil	2/15/2006	4	Primary Sample	IPB1641	no		ALTA	IPB1641-01	B5DF5	268494.1985	1786523.136		MWH	yes	
MJ637	SRBS61S01	1613	1,2,3,6,7,8-HxCDF	0.078	ng/kg	U	0.078	Soil	2/15/2006	4	Primary Sample	IPB1641	no		ALTA	IPB1641-01	B5DF5	268494.1985	1786523.136		MWH	yes	
MJ637	SRBS61S01	1613	1,2,3,7,8,9-HxCDD	0.206	ng/kg	U	0.206	Soil	2/15/2006	4	Primary Sample	IPB1641	no		ALTA	IPB1641-01	B5DF5	268494.1985	1786523.136		MWH	yes	
MJ637	SRBS61S01	1613	1,2,3,7,8,9-HxCDF	0.158	ng/kg	U	0.158	Soil	2/15/2006	4	Primary Sample	IPB1641	no		ALTA	IPB1641-01	B5DF5	268494.1985	1786523.136		MWH	yes	
MJ637	SRBS61S01	1613	1,2,3,7,8-PeCDD	0.103	ng/kg	U	0.103	Soil	2/15/2006	4	Primary Sample	IPB1641	no		ALTA	IPB1641-01	B5DF5	268494.1985	1786523.136		MWH	yes	
MJ637	SRBS61S01	1613	1,2,3,7,8-PeCDF	0.125	ng/kg	U	0.125	Soil	2/15/2006	4	Primary Sample	IPB1641	no		ALTA	IPB1641-01	B5DF5	268494.1985	1786523.136		MWH	yes	
MJ637	SRBS61S01	1613	2,3,4,6,7,8-HxCDF	0.0924	ng/kg	U	0.0924	Soil	2/15/2006	4	Primary Sample	IPB1641	no		ALTA	IPB1641-01	B5DF5	268494.1985	1786523.136		MWH	yes	
MJ637	SRBS61S01	1613	2,3,4,7,8-PeCDF	0.119	ng/kg	U	0.119	Soil	2/15/2006	4	Primary Sample	IPB1641	no		ALTA	IPB1641-01	B5DF5	268494.1985	1786523.136		MWH	yes	
MJ637	SRBS61S01	1613	2,3,7,8-TCDD	0.075	ng/kg	U	0.075	Soil	2/15/2006	4	Primary Sample	IPB1641	no		ALTA	IPB1641-01	B5DF5	268494.1985	1786523.136		MWH	yes	
MJ637	SRBS61S01	1613	2,3,7,8-TCDF	0.0972	ng/kg	U	0.0972	Soil	2/15/2006	4	Primary Sample	IPB1641	no		ALTA	IPB1641-01	B5DF5	268494.1985	1786523.136		MWH	yes	
MJ637	SRBS61S01	1613	OCDD	9.73	ng/kg			Soil	2/15/2006	4	Primary Sample	IPB1641	no		ALTA	IPB1641-01	B5DF5	268494.1985	1786523.136		MWH	yes	
MJ637	SRBS61S01	1613	OCDF	0.278	ng/kg	U	0.278	Soil	2/15/2006	4	Primary Sample	IPB1641	no		ALTA	IPB1641-01	B5DF5	268494.1985	1786523.136		MWH	yes	
MJ637	SRBS61S01	1613	TCDD TEQ (ND = 0)	0.01117	ng/kg			Soil	2/15/2006	4	Primary Sample	IPB1641	no		ALTA	IPB1641-01	B5DF5	268494.1985	1786523.136		MWH	yes	
MJ637	SRBS61S01	1613	Total HpCDD	1.73	ng/kg			Soil	2/15/2006	4	Primary Sample	IPB1641	no		ALTA	IPB1641-01	B5DF5	268494.1985	1786523.136		MWH	yes	
MJ637	SRBS61S01	1613	Total HpCDF	0.538	ng/kg	J		Soil	2/15/2006	4	Primary Sample	IPB1641	no		ALTA	IPB1641-01	B5DF5	268494.1985	1786523.136		MWH	yes	
MJ637	SRBS61S01	1613	Total HxCDD	0.21	ng/kg	U	0.21	Soil	2/15/2006	4	Primary Sample	IPB1641	no		ALTA	IPB1641-01	B5DF5	268494.1985	1786523.136		MWH	yes	
MJ637	SRBS61S01	1613	Total HxCDF	0.0981	ng/kg	U	0.0981	Soil	2/15/2006	4	Primary Sample	IPB1641	no		ALTA	IPB1641-01	B5DF5	268494.1985	1786523.136		MWH	yes	
MJ637	SRBS61S01	1613	Total PeCDD	0.103	ng/kg	U	0.103	Soil	2/15/2006	4	Primary Sample	IPB1641	no		ALTA	IPB1641-01	B5DF5	268494.1985	1786523.136		MWH	yes	
MJ637	SRBS61S01	1613	Total PeCDF	0.143	ng/kg			Soil	2/15/2006	4	Primary Sample	IPB1641	no		ALTA	IPB1641-01	B5DF5	268494.1985	1786523.136		MWH	yes	
MJ637	SRBS61S01	1613	Total TCDD	0.075	ng/kg	U	0.075	Soil	2/15/2006	4	Primary Sample	IPB1641	no		ALTA	IPB1641-01	B5DF5	268494.1985	1786523.136		MWH	yes	
MJ637	SRBS61S01	1613	Total TCDF	0.116	ng/kg			Soil	2/15/2006	4	Primary Sample	IPB1641	no		ALTA	IPB1641-01	B5DF5	268494.1985	1786523.136		MWH	yes	
MJ638	SRBS62S01	6020	Antimony	0.59	mg/kg	J	0.032	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-02	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ638	SRBS62S01	6020	Arsenic	3.3	mg/kg		0.27	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-02	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ638	SRBS62S01	6020	Barium	76	mg/kg		0.086	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-02	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ638	SRBS62S01	6020	Beryllium	0.5	mg/kg		0.043	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-02	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ638	SRBS62S01	6020	Cadmium	0.15	mg/kg	J	0.022	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-02	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ638	SRBS62S01	6020	Chromium	13	mg/kg		0.32	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-02	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ638	SRBS62S01	6020	Cobalt	4.7	mg/kg		0.022	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-02	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ638	SRBS62S01	6020	Copper	19	mg/kg	J	0.22	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-02	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ638	SRBS62S01	6020	Lead	18	mg/kg		0.022	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-02	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ638	SRBS62S01	6020	Molybdenum	0.63	mg/kg		0.11	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-02	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ638	SRBS62S01	6020	Nickel	8.6	mg/kg	J	0.22	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-02	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ638	SRBS62S01	6020	Selenium	0.82	mg/kg	U	0.82	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-02	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ638	SRBS62S01	6020	Silver	0.022	mg/kg	UJ	0.022	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-02	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ638	SRBS62S01	6020	Thallium	0.33	mg/kg		0.11	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-02	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ638	SRBS62S01	6020	Vanadium	27	mg/kg		0.43	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-02	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ638	SRBS62S01	6020	Zinc	57	mg/kg	J	0.54	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-02	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ638	SRBS62S01	6010B	Aluminum	13000	mg/kg		5.4	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-02	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ638	SRBS62S01	6010B	Boron	10	mg/kg		1.1	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-02	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ638	SRBS62S01	7196A	Hexavalent Chromium	1.1	mg/kg	U	1.1	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-02	B5WC12	268576.3486	1786468.98		MWH	yes	
MJ638	SRBS62S01	7471A	Mercury	0.0041	mg/kg	J	0.00003	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-02	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	6020	Arsenic	3.8	mg/kg		0.28	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	6020	Barium	63	mg/kg		0.088	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	6020	Beryllium	0.59	mg/kg		0.044	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	6020	Cadmium	0.022	mg/kg	U	0.022	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	6020	Chromium	13	mg/kg		0.33	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	6020	Cobalt	7.1	mg/kg		0.022	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	6020	Copper	6.1	mg/kg	J	0.22	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	6020	Lead	4.9	mg/kg	J	0.022	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	6020	Molybdenum	0.71	mg/kg		0.11	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	6020	Nickel	8	mg/kg	J	0.22	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	6020	Selenium	0.84	mg/kg	U	0.84	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	6020	Silver	0.022	mg/kg	UJ	0.022	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	6020	Thallium	0.32	mg/kg		0.11	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	6020	Vanadium	30	mg/kg		0.44	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	6020	Zinc	36	mg/kg	J	0.55	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	6010B	Aluminum	16000	mg/kg		5.5	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	6010B	Boron	5.3	mg/kg	UJ	5.3	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	7196A	Hexavalent Chromium	1.1	mg/kg	UJ	1.1	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5WC12	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	7471A	Mercury	0.02	mg/kg	J	0.0033	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5MT13	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	1,1,1,2-Tetrachloroethane	4.6	µg/kg	U	4.6	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	1,1,1-Trichloroethane	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	1,1,2,2-Tetrachloroethane	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	1,1,2-Trichloroethane	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
MJ639	SRBS62S02	8260B	1,1,2-Trichlorotrifluoroethane	4.6	µg/kg	U	4.6	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	1,1-Dichloroethane	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	1,1-Dichloroethene	4.6	µg/kg	U	4.6	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	1,1-Dichloropropene	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	1,2,3-Trichlorobenzene	4.6	µg/kg	U	4.6	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	1,2,3-Trichloropropane	9.1	µg/kg	U	9.1	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	1,2,4-Trichlorobenzene	4.6	µg/kg	U	4.6	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	1,2,4-Trimethylbenzene	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	1,2-Dibromo-3-chloropropane	4.6	µg/kg	U	4.6	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	1,2-Dibromoethane	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	1,2-Dichlorobenzene	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	1,2-Dichloroethane	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	1,2-Dichloropropane	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	1,3,5-Trimethylbenzene	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	1,3-Dichlorobenzene	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	1,3-Dichloropropane	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	1,4-Dichlorobenzene	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	2,2-Dichloropropane	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	2-Butanone	9.1	µg/kg	U	9.1	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	2-Chloroethyl vinyl ether	4.6	µg/kg	U	4.6	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	2-Chlorotoluene	4.6	µg/kg	U	4.6	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	2-Hexanone	9.1	µg/kg	U	9.1	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	4-Chlorotoluene	4.6	µg/kg	U	4.6	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	4-Isopropyltoluene	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	4-Methyl-2-pentanone	4.6	µg/kg	U	4.6	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	Acetone	9.1	µg/kg	U	9.1	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	Benzene	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	Bromochloromethane	4.6	µg/kg	U	4.6	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	Bromodichloromethane	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	Bromoform	4.6	µg/kg	U	4.6	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	Bromomethane	4.6	µg/kg	U	4.6	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	Carbon tetrachloride	4.6	µg/kg	U	4.6	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	Chlorobenzene	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	Chloroethane	4.6	µg/kg	U	4.6	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	Chloroform	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	Chloromethane	4.6	µg/kg	U	4.6	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	cis-1,2-Dichloroethene	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	cis-1,3-Dichloropropene	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	Dibromochloromethane	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	Dibromomethane	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	Dichlorodifluoromethane	4.6	µg/kg	U	4.6	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	Ethylbenzene	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	Hexachlorobutadiene	4.6	µg/kg	U	4.6	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	Isopropylbenzene	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	m,p-Xylene	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	Methyl tert-butyl ether	4.6	µg/kg	U	4.6	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	Methylene chloride	18	µg/kg	U	18	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	Monobromobenzene	4.6	µg/kg	U	4.6	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	Naphthalene	4.6	µg/kg	U	4.6	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	n-Butylbenzene	4.6	µg/kg	U	4.6	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	n-Propylbenzene	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	o-Xylene	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	sec-Butylbenzene	4.6	µg/kg	U	4.6	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	Styrene	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	tert-Butylbenzene	4.6	µg/kg	U	4.6	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	Tetrachloroethene	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	Toluene	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	trans-1,2-Dichloroethene	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	trans-1,3-Dichloropropene	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	Trichloroethene	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	Trichlorofluoromethane	4.6	µg/kg	U	4.6	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ639	SRBS62S02	8260B	Vinyl chloride	1.8	µg/kg	U	1.8	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-03	B5VO2	268576.3486	1786468.98		MWH	yes	
MJ641	SRBS63D01	6020	Arsenic	4.8	mg/kg		0.26	Soil	2/15/2006	0.5	Field Duplicate	IPB1641	no		DELMAR	IPB1641-05	B5MT13	268579.2186	1786389.882		MWH	no	duplicate result
MJ641	SRBS63D01	6020	Barium	75	mg/kg		0.083	Soil	2/15/2006	0.5	Field Duplicate	IPB1641	no		DELMAR	IPB1641-05	B5MT13	268579.2186	1786389.882		MWH	no	duplicate result
MJ641	SRBS63D01	6020	Beryllium	0.53	mg/kg		0.041	Soil	2/15/2006	0.5	Field Duplicate	IPB1641	no		DELMAR	IPB1641-05	B5MT13	268579.2186	1786389.882		MWH	no	duplicate result
MJ641	SRBS63D01	6020	Cadmium	0.071	mg/kg	J	0.021	Soil	2/15/2006	0.5	Field Duplicate	IPB1641	no		DELMAR	IPB1641-05	B5MT13	268579.2186	1786389.882		MWH	no	duplicate result
MJ641	SRBS63D01	6020	Chromium	15	mg/kg		0.31	Soil	2/15/2006	0.5	Field Duplicate	IPB1641	no		DELMAR	IPB1641-05	B5MT13	268579.2186	1786389.882		MWH	no	duplicate result
MJ641	SRBS63D01	6020	Cobalt	6	mg/kg		0.021	Soil	2/15/2006	0.5	Field Duplicate	IPB1641	no		DELMAR	IPB1641-05	B5MT13	268579.2186	1786389.882		MWH	no	duplicate result
MJ641	SRBS63D01	6020	Copper	8.2	mg/kg	J	0.21	Soil	2/15/2006	0.5	Field Duplicate	IPB1641	no		DELMAR	IPB1641-05	B5MT13	268579.2186	1786389.882		MWH	no	duplicate result
MJ641	SRBS63D01	6020	Lead	5.7	mg/kg	J	0.021	Soil	2/15/2006	0.5	Field Duplicate	IPB1641	no		DELMAR	IPB1641-05	B5MT13	268579.2186	1786389.882		MWH	no	duplicate result
MJ641	SRBS63D01	6020	Molybdenum	0.44	mg/kg		0.1	Soil	2/15/2006	0.5	Field Duplicate	IPB1641	no		DELMAR	IPB1641-05	B5MT13	268579.2186	1786389.882		MWH	no	duplicate result
MJ641	SRBS63D01	6020	Nickel	8.4	mg/kg	J	0.21	Soil	2/15/2006	0.5	Field Duplicate	IPB1641	no		DELMAR	IPB1641-05	B5MT13	268579.2186	1786389.882		MWH	no	duplicate result
MJ641	SRBS63D01	6020	Selenium	0.79	mg/kg	U	0.79	Soil	2/15/2006	0.5	Field Duplicate	IPB1641	no		DELMAR	IPB1641-05	B5MT13	268579.2186	1786389.882		MWH	no	duplicate result
MJ641	SRBS63D01	6020	Silver	0.021	mg/kg	UJ	0.021	Soil	2/15/2006	0.5	Field Duplicate	IPB1641	no		DELMAR	IPB1641-05	B5MT13	268579.2186	1786389.882		MWH	no	duplicate result
MJ641	SRBS63D01	6020	Thallium	0.24	mg/kg		0.1	Soil	2/15/2006	0.5	Field Duplicate	IPB1641	no		DELMAR	IPB1641-05	B5MT13	268579.2186	1786389.882		MWH	no	duplicate result
MJ641	SRBS63D01	6020	Vanadium	31	mg/kg		0.41	Soil	2/15/2006	0.5	Field Duplicate	IPB1641	no		DELMAR	IPB1641-05	B5MT13	268579.2186	1786389.882		MWH	no	duplicate result
MJ641	SRBS63D01	6020	Zinc	40	mg/kg	J	0.52	Soil	2/15/2006	0.5	Field Duplicate	IPB1641	no		DELMAR	IPB1641-05	B5MT13	268579.2186	1786389.882		MWH	no	duplicate result
MJ641	SRBS63D01	6010B	Aluminum	15000	mg/kg		5.2	Soil	2/15/2006	0.5	Field Duplicate	IPB1641	no		DELMAR	IPB1641-05	B5MT13	268579.2186	1786389.882		MWH	no	duplicate result
MJ641	SRBS63D01	6010B	Boron	6	mg/kg	UJ	6	Soil	2/15/2006	0.5	Field Duplicate	IPB1641	no		DELMAR	IPB1641-05	B5MT13	268579.2186	1786389.882		MWH	no	duplicate result
MJ641	SRBS63D01	7196A	Hexavalent Chromium	0.21	mg/kg	J	1	Soil	2/15/2006	0.5	Field Duplicate	IPB1641	no		DELMAR	IPB1641-05	B5WC12	268579.2186	1786389.882		MWH	no	duplicate result
MJ641	SRBS63D01	7471A	Mercury	0.032	mg/kg	J	0.0031	Soil	2/15/2006	0.5	Field Duplicate	IPB1641	no		DELMAR	IPB1641-05	B5MT13	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	1,1,1,2-Tetrachloroethane	5	µg/kg	U	5	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	1,1,1-Trichloroethane	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	1,1,2,2-Tetrachloroethane	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	1,1,2-Trichloroethane	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	1,1,2-Trichlorotrifluoroethane	5	µg/kg	U	5	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	1,1-Dichloroethane	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	1,1-Dichloroethene	5	µg/kg	U	5	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	1,1-Dichloropropene	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	1,2,3-Trichlorobenzene	5	µg/kg	U	5	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	1,2,3-Trichloropropane	10	µg/kg	U	10	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	1,2,4-Trichlorobenzene	5	µg/kg	U	5	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	1,2,4-Trimethylbenzene	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	1,2-Dibromo-3-chloropropane	5	µg/kg	U	5	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
MJ643	SRBS63D02	8260B	1,2-Dibromoethane	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	1,2-Dichlorobenzene	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	1,2-Dichloroethane	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	1,2-Dichloropropane	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	1,3,5-Trimethylbenzene	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	1,3-Dichlorobenzene	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	1,3-Dichloropropane	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	1,4-Dichlorobenzene	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	2,2-Dichloropropane	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	2-Butanone	10	µg/kg	U	10	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	2-Chloroethyl vinyl ether	5	µg/kg	U	5	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	2-Chlorotoluene	5	µg/kg	U	5	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	2-Hexanone	10	µg/kg	U	10	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	4-Chlorotoluene	5	µg/kg	U	5	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	4-Isopropyltoluene	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	4-Methyl-2-pentanone	5	µg/kg	U	5	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	Acetone	22	µg/kg	J	10	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	Benzene	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	Bromochloromethane	5	µg/kg	U	5	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	Bromodichloromethane	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	Bromoform	5	µg/kg	U	5	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	Bromomethane	5	µg/kg	U	5	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	Carbon tetrachloride	5	µg/kg	U	5	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	Chlorobenzene	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	Chloroethane	5	µg/kg	U	5	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	Chloroform	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	Chloromethane	5	µg/kg	U	5	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	cis-1,2-Dichloroethene	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	cis-1,3-Dichloropropene	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	Dibromochloromethane	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	Dibromomethane	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	Dichlorodifluoromethane	5	µg/kg	U	5	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	Ethylbenzene	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	Hexachlorobutadiene	5	µg/kg	U	5	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	Isopropylbenzene	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	m,p-Xylene	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	Methyl tert-butyl ether	5	µg/kg	U	5	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	Methylene chloride	20	µg/kg	U	20	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	Monobromobenzene	5	µg/kg	U	5	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	Naphthalene	5	µg/kg	U	5	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	n-Butylbenzene	5	µg/kg	U	5	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	n-Propylbenzene	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	o-Xylene	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	sec-Butylbenzene	5	µg/kg	U	5	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	Styrene	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	tert-Butylbenzene	5	µg/kg	U	5	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	Tetrachloroethene	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	Toluene	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	trans-1,2-Dichloroethene	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	trans-1,3-Dichloropropene	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	Trichloroethene	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	Trichlorofluoromethane	5	µg/kg	U	5	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ643	SRBS63D02	8260B	Vinyl chloride	2	µg/kg	U	2	Soil	2/15/2006	3	Field Duplicate	IPB1641	no		DELMAR	IPB1641-07	B5VO2	268579.2186	1786389.882		MWH	no	duplicate result
MJ640	SRBS63S01	6020	Arsenic	4.6	mg/kg		0.26	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-04	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ640	SRBS63S01	6020	Barium	79	mg/kg		0.082	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-04	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ640	SRBS63S01	6020	Beryllium	0.53	mg/kg		0.041	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-04	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ640	SRBS63S01	6020	Cadmium	0.09	mg/kg	J	0.021	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-04	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ640	SRBS63S01	6020	Chromium	16	mg/kg		0.31	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-04	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ640	SRBS63S01	6020	Cobalt	8.1	mg/kg		0.021	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-04	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ640	SRBS63S01	6020	Copper	11	mg/kg	J	0.21	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-04	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ640	SRBS63S01	6020	Lead	7	mg/kg	J	0.021	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-04	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ640	SRBS63S01	6020	Molybdenum	0.45	mg/kg		0.1	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-04	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ640	SRBS63S01	6020	Nickel	9.1	mg/kg	J	0.21	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-04	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ640	SRBS63S01	6020	Selenium	0.79	mg/kg	U	0.79	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-04	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ640	SRBS63S01	6020	Silver	0.021	mg/kg	UJ	0.021	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-04	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ640	SRBS63S01	6020	Thallium	0.26	mg/kg		0.1	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-04	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ640	SRBS63S01	6020	Vanadium	32	mg/kg		0.41	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-04	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ640	SRBS63S01	6020	Zinc	43	mg/kg	J	0.52	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-04	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ640	SRBS63S01	6010B	Aluminum	15000	mg/kg		5.2	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-04	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ640	SRBS63S01	6010B	Boron	6.6	mg/kg	UJ	6.6	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-04	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ640	SRBS63S01	7196A	Hexavalent Chromium	1	mg/kg	UJ	1	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-04	B5WC12	268579.2186	1786389.882		MWH	yes	
MJ640	SRBS63S01	7471A	Mercury	0.043	mg/kg	J	0.0031	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-04	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	6020	Arsenic	3.3	mg/kg		0.28	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	6020	Barium	100	mg/kg		0.089	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	6020	Beryllium	0.67	mg/kg		0.045	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	6020	Cadmium	0.18	mg/kg	J	0.022	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	6020	Chromium	22	mg/kg		0.33	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	6020	Cobalt	7.1	mg/kg		0.022	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	6020	Copper	11	mg/kg	J	0.22	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	6020	Lead	8.4	mg/kg	J	0.022	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	6020	Molybdenum	0.32	mg/kg		0.11	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	6020	Nickel	14	mg/kg	J	0.22	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	6020	Selenium	0.85	mg/kg	U	0.85	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	6020	Silver	0.022	mg/kg	UJ	0.022	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	6020	Thallium	0.32	mg/kg		0.11	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	6020	Vanadium	40	mg/kg		0.45	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	6020	Zinc	48	mg/kg	J	0.56	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	6010B	Aluminum	22000	mg/kg		5.6	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	6010B	Boron	9.1	mg/kg		1.1	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	7196A	Hexavalent Chromium	1.1	mg/kg	UJ	1.1	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5WC12	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	7471A	Mercury	0.014	mg/kg	J	0.0033	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5MT13	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	1,1,1,2-Tetrachloroethane	5.4	µg/kg	U	5.4	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	1,1,1-Trichloroethane	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	1,1,2,2-Tetrachloroethane	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
MJ642	SRBS63S02	8260B	1,1,2-Trichloroethane	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	1,1,2-Trichlorotrifluoroethane	5.4	µg/kg	U	5.4	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	1,1-Dichloroethane	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	1,1-Dichloroethene	5.4	µg/kg	U	5.4	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	1,1-Dichloropropene	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	1,2,3-Trichlorobenzene	5.4	µg/kg	U	5.4	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	1,2,3-Trichloropropane	11	µg/kg	U	11	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	1,2,4-Trichlorobenzene	5.4	µg/kg	U	5.4	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	1,2,4-Trimethylbenzene	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	1,2-Dibromo-3-chloropropane	5.4	µg/kg	U	5.4	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	1,2-Dibromoethane	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	1,2-Dichlorobenzene	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	1,2-Dichloroethane	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	1,2-Dichloropropane	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	1,3,5-Trimethylbenzene	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	1,3-Dichlorobenzene	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	1,3-Dichloropropane	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	1,4-Dichlorobenzene	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	2,2-Dichloropropane	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	2-Butanone	11	µg/kg	U	11	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	2-Chloroethyl vinyl ether	5.4	µg/kg	U	5.4	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	2-Chlorotoluene	5.4	µg/kg	U	5.4	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	2-Hexanone	11	µg/kg	U	11	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	4-Chlorotoluene	5.4	µg/kg	U	5.4	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	4-Isopropyltoluene	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	4-Methyl-2-pentanone	5.4	µg/kg	U	5.4	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	Acetone	32	µg/kg	J	11	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	Benzene	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	Bromochloromethane	5.4	µg/kg	U	5.4	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	Bromodichloromethane	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	Bromoform	5.4	µg/kg	U	5.4	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	Bromomethane	5.4	µg/kg	U	5.4	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	Carbon tetrachloride	5.4	µg/kg	U	5.4	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	Chlorobenzene	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	Chloroethane	5.4	µg/kg	U	5.4	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	Chloroform	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	Chloromethane	5.4	µg/kg	U	5.4	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	cis-1,2-Dichloroethene	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	cis-1,3-Dichloropropene	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	Dibromochloromethane	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	Dibromomethane	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	Dichlorodifluoromethane	5.4	µg/kg	U	5.4	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	Ethylbenzene	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	Hexachlorobutadiene	5.4	µg/kg	U	5.4	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	Isopropylbenzene	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	m,p-Xylene	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	Methyl tert-butyl ether	5.4	µg/kg	U	5.4	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	Methylene chloride	22	µg/kg	U	22	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	Monobromobenzene	5.4	µg/kg	U	5.4	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	Naphthalene	5.4	µg/kg	U	5.4	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	n-Butylbenzene	5.4	µg/kg	U	5.4	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	n-Propylbenzene	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	o-Xylene	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	sec-Butylbenzene	5.4	µg/kg	U	5.4	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	Styrene	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	tert-Butylbenzene	5.4	µg/kg	U	5.4	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	Tetrachloroethene	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	Toluene	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	trans-1,2-Dichloroethene	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	trans-1,3-Dichloropropene	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	Trichloroethene	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	Trichlorofluoromethane	5.4	µg/kg	U	5.4	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ642	SRBS63S02	8260B	Vinyl chloride	2.2	µg/kg	U	2.2	Soil	2/15/2006	3	Primary Sample	IPB1641	no		DELMAR	IPB1641-06	B5VO2	268579.2186	1786389.882		MWH	yes	
MJ644	SRBS64S01	6020	Selenium	0.93	mg/kg	U	0.93	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-08	B5MT13	268568.5776	1786593.214		MWH	yes	
MJ644	SRBS64S01	6020	Silver	0.066	mg/kg	UJ	0.066	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-08	B5MT13	268568.5776	1786593.214		MWH	yes	
MJ644	SRBS64S01	6020	Thallium	0.13	mg/kg		0.12	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-08	B5MT13	268568.5776	1786593.214		MWH	yes	
MJ644	SRBS64S01	8082	Aroclor 1016	91	µg/kg	UJ	91	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-08	B5PP5	268568.5776	1786593.214		MWH	yes	
MJ644	SRBS64S01	8082	Aroclor 1221	91	µg/kg	UJ	91	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-08	B5PP5	268568.5776	1786593.214		MWH	yes	
MJ644	SRBS64S01	8082	Aroclor 1232	91	µg/kg	UJ	91	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-08	B5PP5	268568.5776	1786593.214		MWH	yes	
MJ644	SRBS64S01	8082	Aroclor 1242	91	µg/kg	UJ	91	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-08	B5PP5	268568.5776	1786593.214		MWH	yes	
MJ644	SRBS64S01	8082	Aroclor 1248	91	µg/kg	UJ	91	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-08	B5PP5	268568.5776	1786593.214		MWH	yes	
MJ644	SRBS64S01	8082	Aroclor 1254	91	µg/kg	UJ	91	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-08	B5PP5	268568.5776	1786593.214		MWH	yes	
MJ644	SRBS64S01	8082	Aroclor 1260	91	µg/kg	UJ	91	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-08	B5PP5	268568.5776	1786593.214		MWH	yes	
MJ645	SRBS65S01	1613	1,2,3,4,6,7,8-HpCDD	125	ng/kg			Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		ALTA	IPB1641-09	B5DF5	268529.0029	1786335.479		MWH	yes	
MJ645	SRBS65S01	1613	1,2,3,4,6,7,8-HpCDF	11.8	ng/kg			Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		ALTA	IPB1641-09	B5DF5	268529.0029	1786335.479		MWH	yes	
MJ645	SRBS65S01	1613	1,2,3,4,7,8,9-HpCDF	1.1	ng/kg	J		Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		ALTA	IPB1641-09	B5DF5	268529.0029	1786335.479		MWH	yes	
MJ645	SRBS65S01	1613	1,2,3,4,7,8-HxCDD	1.05	ng/kg	J		Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		ALTA	IPB1641-09	B5DF5	268529.0029	1786335.479		MWH	yes	
MJ645	SRBS65S01	1613	1,2,3,4,7,8-HxCDF	0.747	ng/kg	J		Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		ALTA	IPB1641-09	B5DF5	268529.0029	1786335.479		MWH	yes	
MJ645	SRBS65S01	1613	1,2,3,6,7,8-HxCDD	3.22	ng/kg			Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		ALTA	IPB1641-09	B5DF5	268529.0029	1786335.479		MWH	yes	
MJ645	SRBS65S01	1613	1,2,3,6,7,8-HxCDF	0.445	ng/kg	J		Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		ALTA	IPB1641-09	B5DF5	268529.0029	1786335.479		MWH	yes	
MJ645	SRBS65S01	1613	1,2,3,7,8,9-HxCDD	1.47	ng/kg	J		Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		ALTA	IPB1641-09	B5DF5	268529.0029	1786335.479		MWH	yes	
MJ645	SRBS65S01	1613	1,2,3,7,8,9-HxCDF	0.408	ng/kg	U	0.408	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		ALTA	IPB1641-09	B5DF5	268529.0029	1786335.479		MWH	yes	
MJ645	SRBS65S01	1613	1,2,3,7,8-PeCDD	0.316	ng/kg	J		Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		ALTA	IPB1641-09	B5DF5	268529.0029	1786335.479		MWH	yes	
MJ645	SRBS65S01	1613	1,2,3,7,8-PeCDF	0.165	ng/kg	UJ	0.165	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		ALTA	IPB1641-09	B5DF5	268529.0029	1786335.479		MWH	yes	
MJ645	SRBS65S01	1613	2,3,4,6,7,8-HxCDF	0.8	ng/kg	J		Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		ALTA	IPB1641-09	B5DF5	268529.0029	1786335.479		MWH	yes	
MJ645	SRBS65S01	1613	2,3,4,7,8-PeCDF	0.414	ng/kg	J		Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		ALTA	IPB1641-09	B5DF5	268529.0029	1786335.479		MWH	yes	
MJ645	SRBS65S01	1613	2,3,7,8-TCDD	0.128	ng/kg	U	0.128	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		ALTA	IPB1641-09	B5DF5	268529.0029	1786335.479		MWH	yes	
MJ645	SRBS65S01	1613	2,3,7,8-TCDF	0.515	ng/kg	J		Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		ALTA	IPB1641-09	B5DF5	268529.0029	1786335.479		MWH	yes	
MJ645	SRBS65S01	1613	OCDD	1800	ng/kg			Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		ALTA	IPB1641-09	B5DF5	268529.0029	1786335.479		MWH	yes	
MJ645	SRBS65S01	1613	OCDF	32.2	ng/kg			Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		ALTA	IPB1641-09	B5DF5	268529.0029	1786335.479		MWH	yes	
MJ645	SRBS65S01	1613	TCDD TEQ (ND = 0)	2.90992	ng/kg			Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		ALTA	IPB1641-09	B5DF5	268529.0029	1786335.479		MWH	yes	
MJ645	SRBS65S01	1613	Total HpCDD	248	ng/kg			Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		ALTA	IPB1641-09	B5DF5	268529.0029	1786335.479		MWH	yes	
MJ645	SRBS65S01	1613	Total HpCDF	50.7	ng/kg			Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		ALTA	IPB1641-09	B5DF5	268529.0029	1786335.479		MWH	yes	
MJ645	SRBS65S01	1613	Total HxCDD	20.5	ng/kg			Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		ALTA	IPB1641-09	B5DF5	268529.0029	1786335.479		MWH	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
MJ645	SRBS65S01	1613	Total HxCDF	17.8	ng/kg			Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		ALTA	IPB1641-09	B5DF5	268529.0029	1786335.479		MWH	yes	
MJ645	SRBS65S01	1613	Total PeCDD	1.89	ng/kg		2.36	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		ALTA	IPB1641-09	B5DF5	268529.0029	1786335.479		MWH	yes	
MJ645	SRBS65S01	1613	Total PeCDF	4.61	ng/kg		4.78	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		ALTA	IPB1641-09	B5DF5	268529.0029	1786335.479		MWH	yes	
MJ645	SRBS65S01	1613	Total TCDD	0.128	ng/kg	U	0.128	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		ALTA	IPB1641-09	B5DF5	268529.0029	1786335.479		MWH	yes	
MJ645	SRBS65S01	1613	Total TCDF	1.84	ng/kg		1.99	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		ALTA	IPB1641-09	B5DF5	268529.0029	1786335.479		MWH	yes	
MJ648	SRBS66S70	8082	Aroclor 1016	56	µg/kg	U	56	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no	T	DELMAR	IPB1641-12	B5PP5				MWH	no	composite data; discretes analyzed when composites yielded detection
MJ648	SRBS66S70	8082	Aroclor 1221	56	µg/kg	U	56	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no	T	DELMAR	IPB1641-12	B5PP5				MWH	no	composite data; discretes analyzed when composites yielded detection
MJ648	SRBS66S70	8082	Aroclor 1232	56	µg/kg	U	56	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no	T	DELMAR	IPB1641-12	B5PP5				MWH	no	composite data; discretes analyzed when composites yielded detection
MJ648	SRBS66S70	8082	Aroclor 1242	56	µg/kg	U	56	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no	T	DELMAR	IPB1641-12	B5PP5				MWH	no	composite data; discretes analyzed when composites yielded detection
MJ648	SRBS66S70	8082	Aroclor 1248	56	µg/kg	U	56	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no	T	DELMAR	IPB1641-12	B5PP5				MWH	no	composite data; discretes analyzed when composites yielded detection
MJ648	SRBS66S70	8082	Aroclor 1254	56	µg/kg	U	56	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no	T	DELMAR	IPB1641-12	B5PP5				MWH	no	composite data; discretes analyzed when composites yielded detection
MJ648	SRBS66S70	8082	Aroclor 1260	56	µg/kg	U	56	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no	T	DELMAR	IPB1641-12	B5PP5				MWH	no	composite data; discretes analyzed when composites yielded detection
MJ652	SRBS67S01	8082	Aroclor 1016	54	µg/kg	U	54	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-13	B5PP5	268401.0506	1786123.55		MWH	yes	
MJ652	SRBS67S01	8082	Aroclor 1221	54	µg/kg	U	54	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-13	B5PP5	268401.0506	1786123.55		MWH	yes	
MJ652	SRBS67S01	8082	Aroclor 1232	54	µg/kg	U	54	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-13	B5PP5	268401.0506	1786123.55		MWH	yes	
MJ652	SRBS67S01	8082	Aroclor 1242	54	µg/kg	U	54	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-13	B5PP5	268401.0506	1786123.55		MWH	yes	
MJ652	SRBS67S01	8082	Aroclor 1248	54	µg/kg	U	54	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-13	B5PP5	268401.0506	1786123.55		MWH	yes	
MJ652	SRBS67S01	8082	Aroclor 1254	54	µg/kg	U	54	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-13	B5PP5	268401.0506	1786123.55		MWH	yes	
MJ652	SRBS67S01	8082	Aroclor 1260	54	µg/kg	U	54	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-13	B5PP5	268401.0506	1786123.55		MWH	yes	
MJ653	SRBS68S01	8082	Aroclor 1016	53	µg/kg	U	53	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-14	B5PP5	268417.8806	1786111.886		MWH	yes	
MJ653	SRBS68S01	8082	Aroclor 1221	53	µg/kg	U	53	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-14	B5PP5	268417.8806	1786111.886		MWH	yes	
MJ653	SRBS68S01	8082	Aroclor 1232	53	µg/kg	U	53	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-14	B5PP5	268417.8806	1786111.886		MWH	yes	
MJ653	SRBS68S01	8082	Aroclor 1242	53	µg/kg	U	53	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-14	B5PP5	268417.8806	1786111.886		MWH	yes	
MJ653	SRBS68S01	8082	Aroclor 1248	53	µg/kg	U	53	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-14	B5PP5	268417.8806	1786111.886		MWH	yes	
MJ653	SRBS68S01	8082	Aroclor 1254	53	µg/kg	U	53	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-14	B5PP5	268417.8806	1786111.886		MWH	yes	
MJ653	SRBS68S01	8082	Aroclor 1260	53	µg/kg	U	53	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no		DELMAR	IPB1641-14	B5PP5	268417.8806	1786111.886		MWH	yes	
MJ654	SRBS69S70	8082	Aroclor 1016	52	µg/kg	U	52	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no	T	DELMAR	IPB1641-15	B5PP5				MWH	no	composite data; discretes analyzed when composites yielded detection
MJ654	SRBS69S70	8082	Aroclor 1221	52	µg/kg	U	52	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no	T	DELMAR	IPB1641-15	B5PP5				MWH	no	composite data; discretes analyzed when composites yielded detection
MJ654	SRBS69S70	8082	Aroclor 1232	52	µg/kg	U	52	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no	T	DELMAR	IPB1641-15	B5PP5				MWH	no	composite data; discretes analyzed when composites yielded detection
MJ654	SRBS69S70	8082	Aroclor 1242	52	µg/kg	U	52	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no	T	DELMAR	IPB1641-15	B5PP5				MWH	no	composite data; discretes analyzed when composites yielded detection
MJ654	SRBS69S70	8082	Aroclor 1248	52	µg/kg	U	52	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no	T	DELMAR	IPB1641-15	B5PP5				MWH	no	composite data; discretes analyzed when composites yielded detection
MJ654	SRBS69S70	8082	Aroclor 1254	52	µg/kg	U	52	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no	T	DELMAR	IPB1641-15	B5PP5				MWH	no	composite data; discretes analyzed when composites yielded detection
MJ654	SRBS69S70	8082	Aroclor 1260	52	µg/kg	U	52	Soil	2/15/2006	0.5	Primary Sample	IPB1641	no	T	DELMAR	IPB1641-15	B5PP5				MWH	no	composite data; discretes analyzed when composites yielded detection
MJ661	SRBS70S01	8015 MOD.	C08-C11 (Gasoline Range)	12	mg/kg	U	12	Soil	2/16/2006	1	Primary Sample	IPB1719	no		DELMAR	IPB1719-01	B5TF2	268480.8466	1786341.795		MWH	yes	
MJ661	SRBS70S01	8015 MOD.	C12-C14 (Kerosene Range)	12	mg/kg	U	12	Soil	2/16/2006	1	Primary Sample	IPB1719	no		DELMAR	IPB1719-01	B5TF2	268480.8466	1786341.795		MWH	yes	
MJ661	SRBS70S01	8015 MOD.	C15-C20 (Diesel Range)	12	mg/kg	U	12	Soil	2/16/2006	1	Primary Sample	IPB1719	no		DELMAR	IPB1719-01	B5TF2	268480.8466	1786341.795		MWH	yes	
MJ661	SRBS70S01	8015 MOD.	C21-C30 (Lubricant Oil Range)	12	mg/kg	U	12	Soil	2/16/2006	1	Primary Sample	IPB1719	no		DELMAR	IPB1719-01	B5TF2	268480.8466	1786341.795		MWH	yes	
MJ662	SRBS71S01	8015 MOD.	C08-C11 (Gasoline Range)	11	mg/kg	U	11	Soil	2/16/2006	1	Primary Sample	IPB1719	no		DELMAR	IPB1719-02	B5TF2	268495.1346	1786344.762		MWH	yes	
MJ662	SRBS71S01	8015 MOD.	C12-C14 (Kerosene Range)	11	mg/kg	U	11	Soil	2/16/2006	1	Primary Sample	IPB1719	no		DELMAR	IPB1719-02	B5TF2	268495.1346	1786344.762		MWH	yes	
MJ662	SRBS71S01	8015 MOD.	C15-C20 (Diesel Range)	11	mg/kg	U	11	Soil	2/16/2006	1	Primary Sample	IPB1719	no		DELMAR	IPB1719-02	B5TF2	268495.1346	1786344.762		MWH	yes	
MJ662	SRBS71S01	8015 MOD.	C21-C30 (Lubricant Oil Range)	11	mg/kg	U	11	Soil	2/16/2006	1	Primary Sample	IPB1719	no		DELMAR	IPB1719-02	B5TF2	268495.1346	1786344.762		MWH	yes	
MJ663	SRBS72S01	8015 MOD.	C08-C11 (Gasoline Range)	11	mg/kg	U	11	Soil	2/16/2006	1	Primary Sample	IPB1719	no		DELMAR	IPB1719-03	B5TF2	268491.1351	1786326.89		MWH	yes	
MJ663	SRBS72S01	8015 MOD.	C12-C14 (Kerosene Range)	11	mg/kg	U	11	Soil	2/16/2006	1	Primary Sample	IPB1719	no		DELMAR	IPB1719-03	B5TF2	268491.1351	1786326.89		MWH	yes	
MJ663	SRBS72S01	8015 MOD.	C15-C20 (Diesel Range)	11	mg/kg	U	11	Soil	2/16/2006	1	Primary Sample	IPB1719	no		DELMAR	IPB1719-03	B5TF2	268491.1351	1786326.89		MWH	yes	
MJ663	SRBS72S01	8015 MOD.	C21-C30 (Lubricant Oil Range)	5	mg/kg	J	11	Soil	2/16/2006	1	Primary Sample	IPB1719	no		DELMAR	IPB1719-03	B5TF2	268491.1351	1786326.89		MWH	yes	
MJ664	SRBS73S01	6020	Arsenic	2.2	mg/kg		0.27	Soil	2/16/2006	0.5	Primary Sample	IPB1719	no		DELMAR	IPB1719-04	B5MT12	268484.0178	1786799.567		MWH	yes	
MJ664	SRBS73S01	6020	Barium	68	mg/kg		0.088	Soil	2/16/2006	0.5	Primary Sample	IPB1719	no		DELMAR	IPB1719-04	B5MT12	268484.0178	1786799.567		MWH	yes	
MJ664	SRBS73S01	6020	Beryllium	0.43	mg/kg		0.044	Soil	2/16/2006	0.5	Primary Sample	IPB1719	no		DELMAR	IPB1719-04	B5MT12	268484.0178	1786799.567		MWH	yes	
MJ664	SRBS73S01	6020	Cadmium	0.86	mg/kg		0.022	Soil	2/16/2006	0.5	Primary Sample	IPB1719	no		DELMAR	IPB1719-04	B5MT12	268484.0178	1786799.567		MWH	yes	
MJ664	SRBS73S01	6020	Chromium	13	mg/kg		0.33	Soil	2/16/2006	0.5	Primary Sample	IPB1719	no		DELMAR	IPB1719-04	B5MT12	268484.0178	1786799.567		MWH	yes	
MJ664	SRBS73S01	6020	Cobalt	3.7	mg/kg		0.022	Soil	2/16/2006	0.5	Primary Sample	IPB1719	no		DELMAR	IPB1719-04	B5MT12	268484.0178	1786799.567		MWH	yes	
MJ664	SRBS73S01	6020	Copper	8.2	mg/kg	J	0.22	Soil	2/16/2006	0.5	Primary Sample	IPB1719	no		DELMAR	IPB1719-04	B5MT12	268484.0178	1786799.567		MWH	yes	
MJ664	SRBS73S01	6020	Lead	20	mg/kg		0.022	Soil	2/16/2006	0.5	Primary Sample	IPB1719	no		DELMAR	IPB1719-04	B5MT12	268484.0178	1786799.567		MWH	yes	
MJ664	SRBS73S01	6020	Molybdenum	0.5	mg/kg		0.11	Soil	2/16/2006	0.5	Primary Sample	IPB1719	no		DELMAR	IPB1719-04	B5MT12	268484.0178	1786799.567		MWH	yes	
MJ664	SRBS73S01	6020	Nickel	8.8	mg/kg	J	0.22	Soil	2/16/2006	0.5	Primary Sample	IPB1719	no		DELMAR	IPB1719-04	B5MT12	268484.0178	1786799.567		MWH	yes	
MJ664	SRBS73S01	6020	Selenium	1.1	mg/kg	U	1.1	Soil	2/16/2006	0.5	Primary Sample	IPB1719	no		DELMAR	IPB1719-04	B5MT12	268484.0178	1786799.567		MWH	yes	
MJ664	SRBS73S01	6020	Silver	0.055	mg/kg	J	0.022	Soil	2/16/2006	0.5	Primary Sample	IPB1719	no		DELMAR	IPB1719-04	B5MT12	268484.0178	1786799.567		MWH	yes	
MJ664	SRBS73S01	6020	Thallium	0.24	mg/kg		0.11	Soil	2/16/2006	0.5	Primary Sample	IPB1719	no		DELMAR	IPB1719-04	B5MT12	268484.0178	1786799.567		MWH	yes	
MJ664	SRBS73S01	6020	Vanadium	19	mg/kg		0.44	Soil	2/16/2006	0.5	Primary Sample	IPB1719	no		DELMAR	IPB1719-04	B5MT12	268484.0178	1786799.567		MWH	yes	
MJ664	SRBS73S01	6020	Zinc	86	mg/kg	J	0.55	Soil	2/16/2006	0.5	Primary Sample	IPB1719	no		DELMAR	IPB1719-04	B5MT12	268484.0178	1786799.567		MWH	yes	
MJ664	SRBS73S01	8082	Aroclor 1016	82	µg/kg	U	82	Soil	2/16/2006	0.5	Primary Sample	IPB1719	no		DELMAR	IPB1719-04	B5PP4	268484.0178	1786799.567		MWH	yes	
MJ664	SRBS73S01	8082	Aroclor 1221	82	µg/kg	U	82	Soil	2/16/2006	0.5	Primary Sample	IPB1719	no		DELMAR	IPB1719-04	B5PP4	268484.0178	1786799.567		MWH	yes	
MJ664	SRBS73S01	8082	Aroclor 1232	82	µg/kg	U	82	Soil	2/16/2006	0.5	Primary Sample	IPB1719	no		DELMAR	IPB1719-04	B5PP4	268484.0178	1786799.567		MWH	yes	
MJ664	SRBS73S01	8082	Aroclor 1242	82	µg/kg	U	82	Soil	2/16/2006	0.5	Primary Sample	IPB1719	no		DELMAR	IPB1719-04	B5PP4	268484.0178	1786799.567		MWH	yes	
MJ664	SRBS73S01	8082	Aroclor 1248	82	µg/kg	U	82	Soil	2/16/2006	0.5	Primary Sample	IPB1719	no		DELMAR	IPB1719-04	B5PP4	268484.0178	1786799.567		MWH	yes	
MJ664	SRBS73S01	8082	Aroclor 1254	82	µg/kg	U	82	Soil	2/16/2006	0.5	Primary Sample	IPB1719	no		DELMAR	IPB1719-04	B5PP4	268484.0178	1786799.567		MWH	yes	
MJ664	SRBS73S01	8082	Aroclor 1260	82	µg/kg	U	82	Soil	2/16/2006	0.5	Primary Sample	IPB1719	no		DELMAR	IPB1719-04	B5PP4	268484.0178	1786799.567		MWH	yes	
MJ664	SRBS73S01	6010B	Aluminum	11000	mg/kg		5.5	Soil	2/16/2006	0.5	Primary Sample	IPB1719	no		DELMAR	IPB1719-04	B5MT12	268484.0178	1786799.567		MWH	yes	
MJ664	SRBS73S01	6010B	Boron	5.6	mg/kg	UJ	5.6	Soil	2/16/2006	0.5	Primary Sample	IPB1719	no		DELMAR	IPB1719-04	B5MT12	268484.0178	1786799.567		MWH	yes	
MJ664	SRBS73S01	7471A	Mercury	0.37	mg/kg		0.0033	Soil	2/16/2006	0.5	Primary Sample	IPB1719	no		DELMAR	IPB1719-04	B5MT12	268484.0178	1786799.567		MWH	yes	
MJ664	SRBS73S01	8015 MOD.	C08-C11 (Gasoline Range)	11	mg/kg	U	11	Soil	2/16/2006	0.5	Primary Sample	IPB1719	no		DELMAR	IPB1719-04	B5TF2	268484.0178	1786799.567		MWH	yes	
MJ664	SRBS73S01	8015 MOD.	C12-C14 (Kerosene Range)	11	mg/kg	U	11	Soil	2/16/2006	0.5	Primary Sample	IPB1719	no		DELMAR	IPB1719-04	B5TF2	268484.0178	1786799.567		MWH	yes	
MJ664	SRBS73S01	8015 MOD.	C15-C20 (Diesel Range)	11	mg/kg	U	11	Soil	2/16/2006	0.5	Primary Sample	IPB1719	no		DELMAR	IPB1719-04	B5TF2	268484.0178	1786799.567		MWH	yes	
MJ664	SRBS73S01	8015 MOD.	C21-C30 (Lubricant Oil Range)	6.3	mg/kg	J	11	Soil	2/16/2006	0.5	Primary Sample	IPB1719	no		DELMAR	IPB1719-04	B5TF2	268484.0178	1786799.567		MWH	yes	
MJ765	SRBS74S01	8082	Aroclor 1016	180	µg/kg	U	180	Soil	4/11/2006	0.5	Primary Sample	IPD1108	no		DELMAR	IPD1108-27	B5PP11	268108.0425	1786437.497		MWH	yes	
MJ765	SRBS74S01	8082	Aroclor 1221	180	µg/kg	U	180	Soil	4/11/2006	0.5	Primary Sample	IPD1108	no		DELMAR	IPD1108-27	B5PP11	268108.0425	1786437.497		MWH	yes	
MJ765	SRBS74S01	8082	Aroclor 1232	180	µg/kg	U	180	Soil	4/11/2006	0.5	Primary Sample	IPD1108	no		DELMAR	IPD1108-27	B5PP11	268108.0425	1786437.497		MWH	yes	
MJ765	SRBS74S01	8082	Aroclor 1242	180	µg/kg	U	180	Soil	4/11/2006	0.5	Primary Sample	IPD1108	no		DELMAR	IPD1108-27	B5PP11	268108.0425	1786437.497		MWH	yes	
MJ765	SRBS74S01	8082	Aroclor 1248	180	µg/kg	U	180	Soil	4/11/2006	0.5	Primary Sample	IPD1108	no		DELMAR	IPD1108-27	B5PP11	268108.0425	1786437.497		MWH	yes	
MJ765	SRBS74S01	8082	Aroclor 1254	180	µg/kg	U	180	Soil	4/11/2006	0.5	Primary Sample	IPD1108	no		DELMAR	IPD1108-27	B5PP11	268108.0425	1786437.497		MWH	yes	
MJ765	SRBS74S01	8082	Aroclor 1260	180	µg/kg	U	180	Soil	4/11/2006	0.5	Primary Sample	IPD1108	no		DELMAR	IPD1108-27	B5PP11	268108.0425	1786437.497		MWH	yes	
MJ767	SRBS76S01	8082	Aroclor 1016	210	µg/kg	U	210	Soil	4/11/2006	0.5	Primary Sample	IPD1108	no	C	DELMAR	IPD1108-29	B5PP11	268074.8279	1786478.722		MWH	no	contained unit
MJ767	SRBS76S01	8082	Aroclor 1221	210	µg/kg	U	210	Soil	4/11/2006	0.5	Primary Sample	IPD1108	no	C	DELMAR	IPD1108-29	B5PP11	268074.8279	1786478.722		MWH	no	contained unit
MJ767	SRBS76S01	8082	Aroclor 1232	210	µg/kg	U	210	Soil	4/11/2006	0.5	Primary Sample	IPD1108	no	C	DELMAR	IPD1108-29	B5PP11	268074.8279	1786478.722		MWH	no	contained unit
MJ767	SRBS76S01	8082	Aroclor 1242	210	µg/kg	U	210	Soil	4/11/2006	0.5	Primary Sample	IPD1108	no	C	DELMAR	IPD1108-29	B5PP11	268074.8279	1786478.722		MWH	no	contained unit
MJ767	SRBS76S01	8082	Aroclor 1248	210	µg/kg	U	210	Soil	4/11/2006	0.5	Primary Sample	IPD1108	no	C	DELMAR	IPD1108-29	B5PP11	268074.8279	1786478.722		MWH	no	contained unit
MJ767	SRBS76S01	8082	Aroclor 1254	210	µg/kg	U	210	Soil	4/11/2006	0.5	Primary Sample	IPD1108	no	C	DELMAR	IPD1108-29	B5PP11	268074.8279	1786478.722		MWH	no	contained unit
MJ767	SRBS76S01	8082	Aroclor 1260	210	µg/kg	U	210	Soil	4/11/2006	0.5	Primary Sample	IPD1108	no	C	DELMAR	IPD1108-29	B5PP11	268074.8279	1786478.722		MWH	no	contained unit
MJ768	SRBS77S01	8082	Aroclor 1016	85	µg/kg	U	85	Soil	4/11/2006	0.5	Primary Sample	IPD1108	no		DELMAR	IPD1108-30	B5PP11	268175.2091	1786536.3		MWH	yes	
MJ768	SRBS77S01	8082	Aroclor 1221	85	µg/kg	U	85	Soil	4/11/2006	0.5	Primary Sample	IPD1108	no		DELMAR	IPD1108-30	B5PP11	268175.2091	1786536.3		MWH	yes	
MJ768	SRBS77S01	8082	Aroclor 1232	85	µg/kg	U	85	Soil	4/11/2006	0.5	Primary Sample	IPD1108	no		DELMAR	IPD1108-30	B5PP11	268175.2091	1786536.3		MWH	yes	
MJ768	SRBS77S01	8082	Aroclor 1242	85	µg/kg	U	85	Soil	4/11/2006	0.5	Primary Sample	IPD1108	no		DELMAR	IPD1108-30	B5PP11	268175.2091	1786536.3		MWH	yes	
MJ768	SRBS77S01	8082	Aroclor 1248	85	µg/kg	U	85	Soil	4/11/2006	0.5	Primary Sample	IPD1108	no		DELMAR	IPD1108-30	B5PP11	268175.2091	1786536.3		MWH	yes	
MJ768	SRBS77S01	8082	Aroclor 1254	85	µg/kg	U	85	Soil	4/11/2006	0.5	Primary Sample	IPD1108	no		DELMAR	IPD1108-30	B5PP11	268175.2091	1786536.3		MWH	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
MJ768	SRBS77S01	8082	Aroclor 1260	85	µg/kg	U	85	Soil	4/11/2006	0.5	Primary Sample	IPD1108	no		DELMAR	IPD1108-30	B5PP11	268175.2091	1786536.3		MWH	yes	
MJ769	SRBS78S01	8082	Aroclor 1016	96	µg/kg	U	96	Soil	4/11/2006	0.5	Primary Sample	IPD1108	no	C	DELMAR	IPD1108-31	B5PP11	268206.8149	1786562.479		MWH	no	contained unit
MJ769	SRBS78S01	8082	Aroclor 1221	96	µg/kg	U	96	Soil	4/11/2006	0.5	Primary Sample	IPD1108	no	C	DELMAR	IPD1108-31	B5PP11	268206.8149	1786562.479		MWH	no	contained unit
MJ769	SRBS78S01	8082	Aroclor 1232	96	µg/kg	U	96	Soil	4/11/2006	0.5	Primary Sample	IPD1108	no	C	DELMAR	IPD1108-31	B5PP11	268206.8149	1786562.479		MWH	no	contained unit
MJ769	SRBS78S01	8082	Aroclor 1242	96	µg/kg	U	96	Soil	4/11/2006	0.5	Primary Sample	IPD1108	no	C	DELMAR	IPD1108-31	B5PP11	268206.8149	1786562.479		MWH	no	contained unit
MJ769	SRBS78S01	8082	Aroclor 1248	96	µg/kg	U	96	Soil	4/11/2006	0.5	Primary Sample	IPD1108	no	C	DELMAR	IPD1108-31	B5PP11	268206.8149	1786562.479		MWH	no	contained unit
MJ769	SRBS78S01	8082	Aroclor 1254	96	µg/kg	U	96	Soil	4/11/2006	0.5	Primary Sample	IPD1108	no	C	DELMAR	IPD1108-31	B5PP11	268206.8149	1786562.479		MWH	no	contained unit
MJ769	SRBS78S01	8082	Aroclor 1260	240	µg/kg		96	Soil	4/11/2006	0.5	Primary Sample	IPD1108	no	C	DELMAR	IPD1108-31	B5PP11	268206.8149	1786562.479		MWH	no	contained unit
MJ770	SRBS81S01	7471A	Mercury	0.036	mg/kg		0.0041	Soil	4/11/2006	0.5	Primary Sample	IPD1108	no		DELMAR	IPD1108-32	B5MT22	268455.8463	1786785.816		MWH	yes	
MJ771	SRBS82S01	7471A	Mercury	0.72	mg/kg		0.0037	Soil	4/11/2006	0.5	Primary Sample	IPD1108	no		DELMAR	IPD1108-33	B5MT22	268468.6114	1786771.032		MWH	yes	
MJ774	SRBS83D01	7471A	Mercury	0.059	mg/kg		0.0037	Soil	4/11/2006	0.5	Field Duplicate	IPD1108	no		DELMAR	IPD1108-36	B5MT22	268540.5832	1786819.631		MWH	no	duplicate result
MJ772	SRBS83S01	7471A	Mercury	0.034	mg/kg		0.0039	Soil	4/11/2006	0.5	Primary Sample	IPD1108	no		DELMAR	IPD1108-34	B5MT22	268540.5832	1786819.631		MWH	yes	
MJ773	SRBS84S01	7471A	Mercury	0.058	mg/kg		0.004	Soil	4/11/2006	0.5	Primary Sample	IPD1108	no		DELMAR	IPD1108-35	B5MT22	268576.4738	1786813.758		MWH	yes	
MJ776	SRBS85S01	1613	1,2,3,4,6,7,8-HpCDD	318	ng/kg			Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-01	B5DF8	268706.7587	1786754.684		MWH	yes	
MJ776	SRBS85S01	1613	1,2,3,4,6,7,8-HpCDF	48.9	ng/kg			Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-01	B5DF8	268706.7587	1786754.684		MWH	yes	
MJ776	SRBS85S01	1613	1,2,3,4,7,8,9-HpCDF	4.11	ng/kg			Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-01	B5DF8	268706.7587	1786754.684		MWH	yes	
MJ776	SRBS85S01	1613	1,2,3,4,7,8-HxCDD	1.17	ng/kg	J		Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-01	B5DF8	268706.7587	1786754.684		MWH	yes	
MJ776	SRBS85S01	1613	1,2,3,4,7,8-HxCDF	0.908	ng/kg	J		Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-01	B5DF8	268706.7587	1786754.684		MWH	yes	
MJ776	SRBS85S01	1613	1,2,3,6,7,8-HxCDD	9.4	ng/kg			Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-01	B5DF8	268706.7587	1786754.684		MWH	yes	
MJ776	SRBS85S01	1613	1,2,3,6,7,8-HxCDF	0.56	ng/kg	J		Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-01	B5DF8	268706.7587	1786754.684		MWH	yes	
MJ776	SRBS85S01	1613	1,2,3,7,8,9-HxCDD	2.17	ng/kg	J		Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-01	B5DF8	268706.7587	1786754.684		MWH	yes	
MJ776	SRBS85S01	1613	1,2,3,7,8,9-HxCDF	0.196	ng/kg	U	0.196	Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-01	B5DF8	268706.7587	1786754.684		MWH	yes	
MJ776	SRBS85S01	1613	1,2,3,7,8-PeCDD	0.381	ng/kg	J		Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-01	B5DF8	268706.7587	1786754.684		MWH	yes	
MJ776	SRBS85S01	1613	1,2,3,7,8-PeCDF	0.111	ng/kg	U	0.111	Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-01	B5DF8	268706.7587	1786754.684		MWH	yes	
MJ776	SRBS85S01	1613	2,3,4,6,7,8-HxCDF	1.55	ng/kg	J		Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-01	B5DF8	268706.7587	1786754.684		MWH	yes	
MJ776	SRBS85S01	1613	2,3,4,7,8-PeCDF	0.216	ng/kg	J		Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-01	B5DF8	268706.7587	1786754.684		MWH	yes	
MJ776	SRBS85S01	1613	2,3,7,8-TCDD	0.187	ng/kg	UJ	0.187	Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-01	B5DF8	268706.7587	1786754.684		MWH	yes	
MJ776	SRBS85S01	1613	2,3,7,8-TCDF	0.216	ng/kg	U	0.216	Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-01	B5DF8	268706.7587	1786754.684		MWH	yes	
MJ776	SRBS85S01	1613	OCDD	7310	ng/kg			Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-01	B5DF8	268706.7587	1786754.684		MWH	yes	
MJ776	SRBS85S01	1613	OCDF	154	ng/kg			Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-01	B5DF8	268706.7587	1786754.684		MWH	yes	
MJ776	SRBS85S01	1613	TCDD TEQ (ND = 0)	6.5213	ng/kg			Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-01	B5DF8	268706.7587	1786754.684		MWH	yes	
MJ776	SRBS85S01	1613	Total HpCDD	568	ng/kg			Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-01	B5DF8	268706.7587	1786754.684		MWH	yes	
MJ776	SRBS85S01	1613	Total HpCDF	236	ng/kg			Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-01	B5DF8	268706.7587	1786754.684		MWH	yes	
MJ776	SRBS85S01	1613	Total HxCDD	38.6	ng/kg			Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-01	B5DF8	268706.7587	1786754.684		MWH	yes	
MJ776	SRBS85S01	1613	Total HxCDF	56.3	ng/kg	J		Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-01	B5DF8	268706.7587	1786754.684		MWH	yes	
MJ776	SRBS85S01	1613	Total PeCDD	1.4	ng/kg		1.88	Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-01	B5DF8	268706.7587	1786754.684		MWH	yes	
MJ776	SRBS85S01	1613	Total PeCDF	3.93	ng/kg		4.44	Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-01	B5DF8	268706.7587	1786754.684		MWH	yes	
MJ776	SRBS85S01	1613	Total TCDD	0.187	ng/kg	UJ	0.187	Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-01	B5DF8	268706.7587	1786754.684		MWH	yes	
MJ776	SRBS85S01	1613	Total TCDF	0.626	ng/kg			Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-01	B5DF8	268706.7587	1786754.684		MWH	yes	
MJ776	SRBS85S01	8082	Aroclor 1016	88	µg/kg	U	88	Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		DELMAR	IPD1302-01	B5PP12	268706.7587	1786754.684		MWH	yes	
MJ776	SRBS85S01	8082	Aroclor 1221	88	µg/kg	U	88	Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		DELMAR	IPD1302-01	B5PP12	268706.7587	1786754.684		MWH	yes	
MJ776	SRBS85S01	8082	Aroclor 1232	88	µg/kg	U	88	Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		DELMAR	IPD1302-01	B5PP12	268706.7587	1786754.684		MWH	yes	
MJ776	SRBS85S01	8082	Aroclor 1242	88	µg/kg	U	88	Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		DELMAR	IPD1302-01	B5PP12	268706.7587	1786754.684		MWH	yes	
MJ776	SRBS85S01	8082	Aroclor 1248	88	µg/kg	U	88	Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		DELMAR	IPD1302-01	B5PP12	268706.7587	1786754.684		MWH	yes	
MJ776	SRBS85S01	8082	Aroclor 1254	88	µg/kg	U	88	Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		DELMAR	IPD1302-01	B5PP12	268706.7587	1786754.684		MWH	yes	
MJ776	SRBS85S01	8082	Aroclor 1260	88	µg/kg	U	88	Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		DELMAR	IPD1302-01	B5PP12	268706.7587	1786754.684		MWH	yes	
MJ777	SRBS86S01	1613	1,2,3,4,6,7,8-HpCDD	505	ng/kg			Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-02	B5DF8	268761.3452	1786773.675		MWH	yes	
MJ777	SRBS86S01	1613	1,2,3,4,6,7,8-HpCDF	49.6	ng/kg			Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-02	B5DF8	268761.3452	1786773.675		MWH	yes	
MJ777	SRBS86S01	1613	1,2,3,4,7,8,9-HpCDF	4.24	ng/kg			Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-02	B5DF8	268761.3452	1786773.675		MWH	yes	
MJ777	SRBS86S01	1613	1,2,3,4,7,8-HxCDD	4.2	ng/kg			Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-02	B5DF8	268761.3452	1786773.675		MWH	yes	
MJ777	SRBS86S01	1613	1,2,3,4,7,8-HxCDF	1.81	ng/kg	J		Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-02	B5DF8	268761.3452	1786773.675		MWH	yes	
MJ777	SRBS86S01	1613	1,2,3,6,7,8-HxCDD	15.6	ng/kg			Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-02	B5DF8	268761.3452	1786773.675		MWH	yes	
MJ777	SRBS86S01	1613	1,2,3,6,7,8-HxCDF	1.83	ng/kg	J		Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-02	B5DF8	268761.3452	1786773.675		MWH	yes	
MJ777	SRBS86S01	1613	1,2,3,7,8,9-HxCDD	7.53	ng/kg			Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-02	B5DF8	268761.3452	1786773.675		MWH	yes	
MJ777	SRBS86S01	1613	1,2,3,7,8,9-HxCDF	0.175	ng/kg	J		Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-02	B5DF8	268761.3452	1786773.675		MWH	yes	
MJ777	SRBS86S01	1613	1,2,3,7,8-PeCDD	1.5	ng/kg	J		Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-02	B5DF8	268761.3452	1786773.675		MWH	yes	
MJ777	SRBS86S01	1613	1,2,3,7,8-PeCDF	0.388	ng/kg	J		Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-02	B5DF8	268761.3452	1786773.675		MWH	yes	
MJ777	SRBS86S01	1613	2,3,4,6,7,8-HxCDF	3.02	ng/kg			Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-02	B5DF8	268761.3452	1786773.675		MWH	yes	
MJ777	SRBS86S01	1613	2,3,4,7,8-PeCDF	0.992	ng/kg	J		Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-02	B5DF8	268761.3452	1786773.675		MWH	yes	
MJ777	SRBS86S01	1613	2,3,7,8-TCDD	0.4	ng/kg	J		Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-02	B5DF8	268761.3452	1786773.675		MWH	yes	
MJ777	SRBS86S01	1613	2,3,7,8-TCDF	0.788	ng/kg	J		Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-02	B5DF8	268761.3452	1786773.675		MWH	yes	
MJ777	SRBS86S01	1613	OCDD	5760	ng/kg			Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-02	B5DF8	268761.3452	1786773.675		MWH	yes	
MJ777	SRBS86S01	1613	OCDF	123	ng/kg			Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-02	B5DF8	268761.3452	1786773.675		MWH	yes	
MJ777	SRBS86S01	1613	TCDD TEQ (ND = 0)	12.0874	ng/kg			Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-02	B5DF8	268761.3452	1786773.675		MWH	yes	
MJ777	SRBS86S01	1613	Total HpCDD	930	ng/kg			Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-02	B5DF8	268761.3452	1786773.675		MWH	yes	
MJ777	SRBS86S01	1613	Total HpCDF	208	ng/kg			Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-02	B5DF8	268761.3452	1786773.675		MWH	yes	
MJ777	SRBS86S01	1613	Total HxCDD	110	ng/kg			Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-02	B5DF8	268761.3452	1786773.675		MWH	yes	
MJ777	SRBS86S01	1613	Total HxCDF	79.4	ng/kg			Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-02	B5DF8	268761.3452	1786773.675		MWH	yes	
MJ777	SRBS86S01	1613	Total PeCDD	10.4	ng/kg		11.6	Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-02	B5DF8	268761.3452	1786773.675		MWH	yes	
MJ777	SRBS86S01	1613	Total PeCDF	18.4	ng/kg			Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-02	B5DF8	268761.3452	1786773.675		MWH	yes	
MJ777	SRBS86S01	1613	Total TCDD	0.688	ng/kg			Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-02	B5DF8	268761.3452	1786773.675		MWH	yes	
MJ777	SRBS86S01	1613	Total TCDF	7.34	ng/kg		7.57	Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		ALTA	IPD1302-02	B5DF8	268761.3452	1786773.675		MWH	yes	
MJ777	SRBS86S01	8082	Aroclor 1016	88	µg/kg	U	88	Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		DELMAR	IPD1302-02	B5PP12	268761.3452	1786773.675		MWH	yes	
MJ777	SRBS86S01	8082	Aroclor 1221	88	µg/kg	U	88	Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		DELMAR	IPD1302-02	B5PP12	268761.3452	1786773.675		MWH	yes	
MJ777	SRBS86S01	8082	Aroclor 1232	88	µg/kg	U	88	Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		DELMAR	IPD1302-02	B5PP12	268761.3452	1786773.675		MWH	yes	
MJ777	SRBS86S01	8082	Aroclor 1242	88	µg/kg	U	88	Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		DELMAR	IPD1302-02	B5PP12	268761.3452	1786773.675		MWH	yes	
MJ777	SRBS86S01	8082	Aroclor 1248	88	µg/kg	U	88	Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		DELMAR	IPD1302-02	B5PP12	268761.3452	1786773.675		MWH	yes	
MJ777	SRBS86S01	8082	Aroclor 1254	88	µg/kg	U	88	Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		DELMAR	IPD1302-02	B5PP12	268761.3452	1786773.675		MWH	yes	
MJ777	SRBS86S01	8082	Aroclor 1260	88	µg/kg	U	88	Soil	4/12/2006	0.5	Primary Sample	IPD1302	no		DELMAR	IPD1302-02	B5PP12	268761.3452	1786773.675		MWH	yes	
MJ816	SRBS90S01	7471A	Mercury	0.34	mg/kg		0.0031	Soil	5/5/2006	0.5	Primary Sample	IPE0642	no		DELMAR	IPE0642-01	B5MT27	268441.9647	1786731.497		MWH	yes	
RF978	SRSS01S01	6010	Antimony	14	mg/kg	UJ	14	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400MT34	268488.8125	1786508		OGDEN	no	contained unit
RF978	SRSS01S01	6010	Barium	76	mg/kg		1	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400MT34	268488.8125	1786508		OGDEN	no	contained unit
RF978	SRSS01S01	6010	Beryllium	0.7	mg/kg	U	0.7	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400MT34	268488.8125	1786508		OGDEN	no	contained unit
RF978	SRSS01S01	6010	Cadmium	2	mg/kg		1	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400MT34	268488.8125	1786508		OGDEN	no	contained unit
RF978	SRSS01S01	6010	Chromium	21	mg/kg		3	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400MT34	268488.8125	1786508		OGDEN	no	contained unit
RF978	SRSS01S01	6010	Cobalt	10	mg/kg		3	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400MT34	268488.8125	1786508		OGDEN	no	contained unit
RF978	SRSS01S01	6010	Copper	20	mg/kg		3	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400MT34	268488.8125	1786508		OGDEN	no	contained unit
RF978	SRSS01S01	6010	Lead	56	mg/kg		7	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400MT34	268488.8125	1786508		OGDEN	no	contained unit
RF978	SRSS01S01	6010	Molybdenum	14	mg/kg	U	14	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400MT34	268488.8125	1786508		OGDEN	no	contained unit
RF978	SRSS01S01	6010	Nickel	11	mg/kg		7	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400MT34	268488.8125	1786508		OGDEN	no	contained unit
RF978	SRSS01S01	6010	Silver	1	mg/kg	U	1	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400MT34	268488.8125	1786508		OGDEN	no	contained unit
RF978	SRSS01S01	6010	Vanadium	25	mg/kg		3	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400MT34	268488.8125	1786508		OGDEN	no	contained unit
RF978	SRSS01S01	6010	Zinc	840	mg/kg	J	1	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400MT34	268488.8125	1786508		OGDEN	no	contained unit
RF978	SRSS01S01	7060	Arsenic	7	mg/kg	U	7	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400MT34	268488.8125	1786508		OGDEN	no	contained unit

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
RF978	SRSS01S01	7471	Mercury	0.3	mg/kg	U	0.3	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400MT34	268488.8125	1786508		OGDEN	no	contained unit
RF978	SRSS01S01	7740	Selenium	7	mg/kg	U	7	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400MT34	268488.8125	1786508		OGDEN	no	contained unit
RF978	SRSS01S01	7841	Thallium	7	mg/kg	U	7	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400MT34	268488.8125	1786508		OGDEN	no	contained unit
RF978	SRSS01S01	9045	pH	7.5	pH units	J	0.1	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400WC47	268488.8125	1786508		OGDEN	no	contained unit
RD978	SRSS01S01	8015M	C08-C11 (Gasoline Range)	13	mg/kg	UJ	13	Soil	12/2/1997	0	Primary Sample	L9704088	no	C	CAS	L9704088-016	T400TF43	268488.8125	1786508		OGDEN	no	contained unit
RD978	SRSS01S01	8015M	C11-C14 (Kerosene Range)	13	mg/kg	UJ	13	Soil	12/2/1997	0	Primary Sample	L9704088	no	C	CAS	L9704088-016	T400TF43	268488.8125	1786508		OGDEN	no	contained unit
RD978	SRSS01S01	8015M	C14-C20 (Diesel Range)	13	mg/kg	UJ	13	Soil	12/2/1997	0	Primary Sample	L9704088	no	C	CAS	L9704088-016	T400TF43	268488.8125	1786508		OGDEN	no	contained unit
RD978	SRSS01S01	8015M	C20-C30 (Lubricant Oil Range)	13	mg/kg	UJ	13	Soil	12/2/1997	0	Primary Sample	L9704088	no	C	CAS	L9704088-016	T400TF43	268488.8125	1786508		OGDEN	no	contained unit
RF978DL	SRSS01S01	8270 SIM	Acenaphthene	420	µg/kg	U	420	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400PA36	268488.8125	1786508		OGDEN	no	contained unit
RF978DL	SRSS01S01	8270 SIM	Acenaphthylene	420	µg/kg	U	420	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400PA36	268488.8125	1786508		OGDEN	no	contained unit
RF978DL	SRSS01S01	8270 SIM	Anthracene	420	µg/kg	U	420	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400PA36	268488.8125	1786508		OGDEN	no	contained unit
RF978DL	SRSS01S01	8270 SIM	Benzo(a)anthracene	420	µg/kg	U	420	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400PA36	268488.8125	1786508		OGDEN	no	contained unit
RF978DL	SRSS01S01	8270 SIM	Benzo(a)pyrene	420	µg/kg	U	420	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400PA36	268488.8125	1786508		OGDEN	no	contained unit
RF978DL	SRSS01S01	8270 SIM	Benzo(b)fluoranthene	420	µg/kg	U	420	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400PA36	268488.8125	1786508		OGDEN	no	contained unit
RF978DL	SRSS01S01	8270 SIM	Benzo(g,h,i)perylene	420	µg/kg	U	420	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400PA36	268488.8125	1786508		OGDEN	no	contained unit
RF978DL	SRSS01S01	8270 SIM	Benzo(k)fluoranthene	420	µg/kg	U	420	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400PA36	268488.8125	1786508		OGDEN	no	contained unit
RF978DL	SRSS01S01	8270 SIM	bis(2-Ethylhexyl)phthalate	1400	µg/kg	U	1400	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400PA36	268488.8125	1786508		OGDEN	no	contained unit
RF978DL	SRSS01S01	8270 SIM	Chrysene	420	µg/kg	U	420	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400PA36	268488.8125	1786508		OGDEN	no	contained unit
RF978DL	SRSS01S01	8270 SIM	Dibenzo(a,h)anthracene	420	µg/kg	U	420	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400PA36	268488.8125	1786508		OGDEN	no	contained unit
RF978DL	SRSS01S01	8270 SIM	Diethylphthalate	1400	µg/kg	U	1400	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400PA36	268488.8125	1786508		OGDEN	no	contained unit
RF978DL	SRSS01S01	8270 SIM	Di-n-butyl phthalate	1400	µg/kg	U	1400	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400PA36	268488.8125	1786508		OGDEN	no	contained unit
RF978DL	SRSS01S01	8270 SIM	Fluoranthene	420	µg/kg	U	420	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400PA36	268488.8125	1786508		OGDEN	no	contained unit
RF978DL	SRSS01S01	8270 SIM	Fluorene	420	µg/kg	U	420	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400PA36	268488.8125	1786508		OGDEN	no	contained unit
RF978DL	SRSS01S01	8270 SIM	Indeno(1,2,3-cd)pyrene	420	µg/kg	U	420	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400PA36	268488.8125	1786508		OGDEN	no	contained unit
RF978DL	SRSS01S01	8270 SIM	Naphthalene	420	µg/kg	U	420	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400PA36	268488.8125	1786508		OGDEN	no	contained unit
RF978DL	SRSS01S01	8270 SIM	N-nitrosodimethylamine	28	µg/kg	U	28	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400PA36	268488.8125	1786508		OGDEN	no	contained unit
RF978DL	SRSS01S01	8270 SIM	N-nitrosodiphenylamine	420	µg/kg	U	420	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400PA36	268488.8125	1786508		OGDEN	no	contained unit
RF978DL	SRSS01S01	8270 SIM	Phenanthrene	420	µg/kg	U	420	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400PA36	268488.8125	1786508		OGDEN	no	contained unit
RF978DL	SRSS01S01	8270 SIM	Pyrene	420	µg/kg	U	420	Soil	12/2/1997	0	Primary Sample	L9704114	no	C	CAS	L9704114-002	T400PA36	268488.8125	1786508		OGDEN	no	contained unit
RJ507	SRSS02S01	7471A	Mercury	0.22	mg/kg	UJ	0.22	Soil	6/30/2000	0	Primary Sample	RJ001	no		CEIMIC	200456-11	T700MT2	268536.3437	1786452.75		OGDEN	yes	
RJ508	SRSS03S01	7471A	Mercury	0.9	mg/kg	J		Soil	6/30/2000	0	Primary Sample	RJ001	no		CEIMIC	200456-12	T700MT2	268543.5938	1786389.125		OGDEN	yes	
RJ509	SRSS04S01	7471A	Mercury	0.29	mg/kg	UJ	0.29	Soil	6/30/2000	0	Primary Sample	RJ001	no		CEIMIC	200456-13	T700MT2	268532.0938	1786342.25		OGDEN	yes	
RJ510	SRSS05S01	7471A	Mercury	0.97	mg/kg	J		Soil	6/30/2000	0	Primary Sample	RJ001	no		CEIMIC	200456-14	T700MT2	268510.1562	1786317.25		OGDEN	yes	
RJ506	SRSU01S01	9045	pH	4.62	pH units	J	0	Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700WC49	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	6010B	Aluminum	17400	mg/kg			Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700MT2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	6010B	Antimony	0.57	mg/kg	J		Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700MT2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	6010B	Arsenic	4.5	mg/kg			Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700MT2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	6010B	Barium	70.6	mg/kg			Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700MT2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	6010B	Beryllium	0.75	mg/kg			Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700MT2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	6010B	Boron	3.8	mg/kg	UJ	3.8	Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700MT2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	6010B	Cadmium	0.26	mg/kg			Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700MT2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	6010B	Calcium	1610	mg/kg	J		Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700MT2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	6010B	Chromium	16.4	mg/kg			Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700MT2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	6010B	Cobalt	7.7	mg/kg			Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700MT2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	6010B	Copper	10.1	mg/kg			Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700MT2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	6010B	Iron	24700	mg/kg			Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700MT2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	6010B	Lead	5.9	mg/kg			Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700MT2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	6010B	Magnesium	4700	mg/kg			Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700MT2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	6010B	Manganese	218	mg/kg			Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700MT2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	6010B	Molybdenum	10	mg/kg	UJ	10	Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700MT2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	6010B	Nickel	10.8	mg/kg	UJ	10.8	Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700MT2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	6010B	Potassium	1630	mg/kg			Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700MT2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	6010B	Selenium	1.2	mg/kg	U	1.2	Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700MT2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	6010B	Silver	6	mg/kg	J		Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700MT2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	6010B	Sodium	168	mg/kg			Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700MT2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	6010B	Thallium	0.2	mg/kg	U	0.2	Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700MT2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	6010B	Vanadium	37.7	mg/kg			Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700MT2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	6010B	Zinc	826	mg/kg			Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700MT2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	7471A	Mercury	0.06	mg/kg	UJ	0.06	Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700MT2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	8015B	C08-C11 (Gasoline Range)	39	mg/kg	U	39	Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700TF2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	8015B	C11-C14 (Kerosene Range)	39	mg/kg	U	39	Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700TF2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	8015B	C14-C20 (Diesel Range)	39	mg/kg	U	39	Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700TF2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	8015B	C20-C30 (Lubricant Oil Range)	350	mg/kg		39	Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700TF2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	1,1,1,2-Tetrachloroethane	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	1,1,1-Trichloroethane	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	1,1,2,2-Tetrachloroethane	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	1,1,2-Trichloroethane	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	1,1-Dichloroethane	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	1,1-Dichloroethene	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	1,2,4-Trimethylbenzene	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	1,2-Dibromo-3-chloropropane	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	1,2-Dichlorobenzene	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	1,2-Dichloroethane	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	1,2-Dichloroethene (total)	10	µg/kg	U	10	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	1,3,5-Trimethylbenzene	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	1,3-Dichlorobenzene	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	1,4-Dichlorobenzene	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	2-Butanone	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	Acetone	36	µg/kg			Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	Benzene	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	Bromodichloromethane	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	Bromoform	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	Bromomethane	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	Carbon tetrachloride	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	Chlorobenzene	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	Chloroethane	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	Chloroform	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	Chloromethane	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	cis-1,2-Dichloroethene	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	Dichlorodifluoromethane	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	Ethylbenzene	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	m,p-Xylene	10	µg/kg	U	10	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	Methylene chloride	13	µg/kg			Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	o-Xylene	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
RJ519	SRSU01S01	8260B	Tetrachloroethene	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	Toluene	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	trans-1,2-Dichloroethene	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	trans-1,3-Dichloropropene	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	Trichloroethene	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	Trichlorofluoromethane	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	Vinyl chloride	5	µg/kg	U	5	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ519	SRSU01S01	8260B	Xylenes (total)	15	µg/kg	U	15	Soil	7/6/2000	8.5	Primary Sample	RJ514	no	C	CEIMIC	200484-06A	T700VO2	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	8270C SIM	2-Methylnaphthalene	4	µg/kg	UJ	4	Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700PA1	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	8270C SIM	Acenaphthene	4	µg/kg	UJ	4	Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700PA1	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	8270C SIM	Acenaphthylene	4	µg/kg	UJ	4	Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700PA1	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	8270C SIM	Anthracene	4	µg/kg	UJ	4	Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700PA1	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	8270C SIM	Benzo(a)anthracene	4	µg/kg	UJ	4	Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700PA1	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	8270C SIM	Benzo(a)pyrene	4	µg/kg	UJ	4	Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700PA1	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	8270C SIM	Benzo(b)fluoranthene	4	µg/kg	UJ	4	Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700PA1	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	8270C SIM	Benzo(g,h,i)perylene	4	µg/kg	UJ	4	Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700PA1	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	8270C SIM	Benzo(k)fluoranthene	4	µg/kg	UJ	4	Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700PA1	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	8270C SIM	Chrysene	4	µg/kg	U	4	Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700PA1	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	8270C SIM	Dibenzo(a,h)anthracene	4	µg/kg	UJ	4	Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700PA1	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	8270C SIM	Fluoranthene	4	µg/kg	UJ	4	Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700PA1	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	8270C SIM	Fluorene	4	µg/kg	UJ	4	Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700PA1	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	8270C SIM	Indeno(1,2,3-cd)pyrene	4	µg/kg	UJ	4	Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700PA1	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	8270C SIM	Naphthalene	4	µg/kg	UJ	4	Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700PA1	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	8270C SIM	N-nitrosodimethylamine	4	µg/kg	U	4	Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700PA1	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	8270C SIM	Phenanthrene	4	µg/kg	U	4	Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700PA1	268575.1562	1786493.625		OGDEN	no	contained unit
RJ506	SRSU01S01	8270C SIM	Pyrene	4	µg/kg	UJ	4	Soil	6/30/2000	8.5	Primary Sample	RJ001	no	C	CEIMIC	200456-10	T700PA1	268575.1562	1786493.625		OGDEN	no	contained unit
RV822	SRSV01S01	8260B	1,1,1,2-Tetrachloroethane	1	µg/L	U	1	Vapor	8/4/2000	6.5	Primary Sample	0024	no		CENTRUM	M4-154-4	T300VO52	268400.125	1786376.125		OGDEN	yes	
RV822	SRSV01S01	8260B	1,1,1-Trichloroethane	1	µg/L	U	1	Vapor	8/4/2000	6.5	Primary Sample	0024	no		CENTRUM	M4-154-4	T300VO52	268400.125	1786376.125		OGDEN	yes	
RV822	SRSV01S01	8260B	1,1,2,2-Tetrachloroethane	1	µg/L	U	1	Vapor	8/4/2000	6.5	Primary Sample	0024	no		CENTRUM	M4-154-4	T300VO52	268400.125	1786376.125		OGDEN	yes	
RV822	SRSV01S01	8260B	1,1,2-Trichloroethane	1	µg/L	U	1	Vapor	8/4/2000	6.5	Primary Sample	0024	no		CENTRUM	M4-154-4	T300VO52	268400.125	1786376.125		OGDEN	yes	
RV822	SRSV01S01	8260B	1,1,2-Trichlorotrifluoroethane	2.2	µg/L	J	5	Vapor	8/4/2000	6.5	Primary Sample	0024	no		CENTRUM	M4-154-4	T300VO52	268400.125	1786376.125		OGDEN	yes	
RV822	SRSV01S01	8260B	1,1-Dichloroethane	1	µg/L	U	1	Vapor	8/4/2000	6.5	Primary Sample	0024	no		CENTRUM	M4-154-4	T300VO52	268400.125	1786376.125		OGDEN	yes	
RV822	SRSV01S01	8260B	1,1-Dichloroethene	1	µg/L	U	1	Vapor	8/4/2000	6.5	Primary Sample	0024	no		CENTRUM	M4-154-4	T300VO52	268400.125	1786376.125		OGDEN	yes	
RV822	SRSV01S01	8260B	1,2-Dichloroethane	1	µg/L	U	1	Vapor	8/4/2000	6.5	Primary Sample	0024	no		CENTRUM	M4-154-4	T300VO52	268400.125	1786376.125		OGDEN	yes	
RV822	SRSV01S01	8260B	Benzene	1	µg/L	U	1	Vapor	8/4/2000	6.5	Primary Sample	0024	no		CENTRUM	M4-154-4	T300VO52	268400.125	1786376.125		OGDEN	yes	
RV822	SRSV01S01	8260B	Carbon tetrachloride	1	µg/L	U	1	Vapor	8/4/2000	6.5	Primary Sample	0024	no		CENTRUM	M4-154-4	T300VO52	268400.125	1786376.125		OGDEN	yes	
RV822	SRSV01S01	8260B	Chloroethane	1	µg/L	U	1	Vapor	8/4/2000	6.5	Primary Sample	0024	no		CENTRUM	M4-154-4	T300VO52	268400.125	1786376.125		OGDEN	yes	
RV822	SRSV01S01	8260B	Chloroform	1	µg/L	U	1	Vapor	8/4/2000	6.5	Primary Sample	0024	no		CENTRUM	M4-154-4	T300VO52	268400.125	1786376.125		OGDEN	yes	
RV822	SRSV01S01	8260B	cis-1,2-Dichloroethene	1	µg/L	U	1	Vapor	8/4/2000	6.5	Primary Sample	0024	no		CENTRUM	M4-154-4	T300VO52	268400.125	1786376.125		OGDEN	yes	
RV822	SRSV01S01	8260B	Dichlorodifluoromethane	1	µg/L	UJ	1	Vapor	8/4/2000	6.5	Primary Sample	0024	no		CENTRUM	M4-154-4	T300VO52	268400.125	1786376.125		OGDEN	yes	
RV822	SRSV01S01	8260B	Ethylbenzene	1	µg/L	U	1	Vapor	8/4/2000	6.5	Primary Sample	0024	no		CENTRUM	M4-154-4	T300VO52	268400.125	1786376.125		OGDEN	yes	
RV822	SRSV01S01	8260B	m,p-Xylene	2	µg/L	U	2	Vapor	8/4/2000	6.5	Primary Sample	0024	no		CENTRUM	M4-154-4	T300VO52	268400.125	1786376.125		OGDEN	yes	
RV822	SRSV01S01	8260B	Methylene chloride	1	µg/L	U	1	Vapor	8/4/2000	6.5	Primary Sample	0024	no		CENTRUM	M4-154-4	T300VO52	268400.125	1786376.125		OGDEN	yes	
RV822	SRSV01S01	8260B	o-Xylene	1	µg/L	U	1	Vapor	8/4/2000	6.5	Primary Sample	0024	no		CENTRUM	M4-154-4	T300VO52	268400.125	1786376.125		OGDEN	yes	
RV822	SRSV01S01	8260B	Tetrachloroethene	1	µg/L	UJ	1	Vapor	8/4/2000	6.5	Primary Sample	0024	no		CENTRUM	M4-154-4	T300VO52	268400.125	1786376.125		OGDEN	yes	
RV822	SRSV01S01	8260B	Toluene	1	µg/L	U	1	Vapor	8/4/2000	6.5	Primary Sample	0024	no		CENTRUM	M4-154-4	T300VO52	268400.125	1786376.125		OGDEN	yes	
RV822	SRSV01S01	8260B	trans-1,2-Dichloroethene	1	µg/L	U	1	Vapor	8/4/2000	6.5	Primary Sample	0024	no		CENTRUM	M4-154-4	T300VO52	268400.125	1786376.125		OGDEN	yes	
RV822	SRSV01S01	8260B	Trichloroethene	1	µg/L	U	1	Vapor	8/4/2000	6.5	Primary Sample	0024	no		CENTRUM	M4-154-4	T300VO52	268400.125	1786376.125		OGDEN	yes	
RV822	SRSV01S01	8260B	Trichlorofluoromethane	1	µg/L	U	1	Vapor	8/4/2000	6.5	Primary Sample	0024	no		CENTRUM	M4-154-4	T300VO52	268400.125	1786376.125		OGDEN	yes	
RV822	SRSV01S01	8260B	Vinyl chloride	1	µg/L	U	1	Vapor	8/4/2000	6.5	Primary Sample	0024	no		CENTRUM	M4-154-4	T300VO52	268400.125	1786376.125		OGDEN	yes	
RV820	SRSV02S01	8260B	1,1,1,2-Tetrachloroethane	1	µg/L	U	1	Vapor	8/4/2000	7	Primary Sample	0024	no		CENTRUM	M4-154-2	T300VO52	268305.3125	1786476.25		OGDEN	yes	
RV820	SRSV02S01	8260B	1,1,1-Trichloroethane	1	µg/L	U	1	Vapor	8/4/2000	7	Primary Sample	0024	no		CENTRUM	M4-154-2	T300VO52	268305.3125	1786476.25		OGDEN	yes	
RV820	SRSV02S01	8260B	1,1,2,2-Tetrachloroethane	1	µg/L	U	1	Vapor	8/4/2000	7	Primary Sample	0024	no		CENTRUM	M4-154-2	T300VO52	268305.3125	1786476.25		OGDEN	yes	
RV820	SRSV02S01	8260B	1,1,2-Trichloroethane	1	µg/L	U	1	Vapor	8/4/2000	7	Primary Sample	0024	no		CENTRUM	M4-154-2	T300VO52	268305.3125	1786476.25		OGDEN	yes	
RV820	SRSV02S01	8260B	1,1,2-Trichlorotrifluoroethane	2	µg/L	J	5	Vapor	8/4/2000	7	Primary Sample	0024	no		CENTRUM	M4-154-2	T300VO52	268305.3125	1786476.25		OGDEN	yes	
RV820	SRSV02S01	8260B	1,1-Dichloroethane	1	µg/L	U	1	Vapor	8/4/2000	7	Primary Sample	0024	no		CENTRUM	M4-154-2	T300VO52	268305.3125	1786476.25		OGDEN	yes	
RV820	SRSV02S01	8260B	1,1-Dichloroethene	1	µg/L	U	1	Vapor	8/4/2000	7	Primary Sample	0024	no		CENTRUM	M4-154-2	T300VO52	268305.3125	1786476.25		OGDEN	yes	
RV820	SRSV02S01	8260B	1,2-Dichloroethane	1	µg/L	U	1	Vapor	8/4/2000	7	Primary Sample	0024	no		CENTRUM	M4-154-2	T300VO52	268305.3125	1786476.25		OGDEN	yes	
RV820	SRSV02S01	8260B	Benzene	1	µg/L	U	1	Vapor	8/4/2000	7	Primary Sample	0024	no		CENTRUM	M4-154-2	T300VO52	268305.3125	1786476.25		OGDEN	yes	
RV820	SRSV02S01	8260B	Carbon tetrachloride	1	µg/L	U	1	Vapor	8/4/2000	7	Primary Sample	0024	no		CENTRUM	M4-154-2	T300VO52	268305.3125	1786476.25		OGDEN	yes	
RV820	SRSV02S01	8260B	Chloroethane	1	µg/L	U	1	Vapor	8/4/2000	7	Primary Sample	0024	no		CENTRUM	M4-154-2	T300VO52	268305.3125	1786476.25		OGDEN	yes	
RV820	SRSV02S01	8260B	Chloroform	1	µg/L	U	1	Vapor	8/4/2000	7	Primary Sample	0024	no		CENTRUM	M4-154-2	T300VO52	268305.3125	1786476.25		OGDEN	yes	
RV820	SRSV02S01	8260B	cis-1,2-Dichloroethene	1	µg/L	U	1	Vapor	8/4/2000	7	Primary Sample	0024	no		CENTRUM	M4-154-2	T300VO52	268305.3125	1786476.25		OGDEN	yes	
RV820	SRSV02S01	8260B	Dichlorodifluoromethane	1	µg/L	UJ	1	Vapor	8/4/2000	7	Primary Sample	0024	no		CENTRUM	M4-154-2	T300VO52	268305.3125	1786476.25		OGDEN	yes	
RV820	SRSV02S01	8260B	Ethylbenzene	1	µg/L	U	1	Vapor	8/4/2000	7	Primary Sample	0024	no		CENTRUM	M4-154-2	T300VO52	268305.3125	1786476.25		OGDEN	yes	
RV820	SRSV02S01	8260B	m,p-Xylene	2	µg/L	U	2	Vapor	8/4/2000	7	Primary Sample	0024	no		CENTRUM	M4-154-2	T300VO52	268305.3125	1786476.25		OGDEN	yes	
RV820	SRSV02S01	8260B	Methylene chloride	1	µg/L	U	1	Vapor	8/4/2000	7	Primary Sample	0024	no		CENTRUM	M4-154-2	T300VO52	268305.3125	1786476.25		OGDEN	yes	
RV820	SRSV02S01	8260B	o-Xylene	1	µg/L	U	1	Vapor	8/4/2000	7	Primary Sample	0024	no		CENTRUM	M4-154-2	T300VO52	268305.3125	1786476.25		OGDEN	yes	
RV820	SRSV02S01	8260B	Tetrachloroethene	1	µg/L	UJ	1	Vapor	8/4/2000	7	Primary Sample	0024	no		CENTRUM	M4-154-2	T300VO52	268305.3125	1786476.25		OGDEN	yes	
RV820	SRSV02S01	8260B	Toluene	1	µg/L	U	1	Vapor	8/4/2000	7	Primary Sample	0024	no		CENTRUM	M4-154-2	T300VO52	268305.3125	1786476.25		OGDEN	yes	
RV820	SRSV02S01	8260B	trans-1,2-Dichloroethene	1	µg/L	U	1	Vapor	8/4/2000	7	Primary Sample	0024	no		CENTRUM	M4-154-2	T300VO52	268305.3125	1786476.25		OGDEN	yes	
RV820	SRSV02S01	8260B	Trichloroethene	1	µg/L	U	1	Vapor	8/4/2000	7	Primary Sample	0024	no		CENTRUM	M4-154-2	T300VO52	268305.3125	1786476.25		OGDEN	yes	
RV820	SRSV02S01	8260B	Trichlorofluoromethane	1	µg/L	U	1	Vapor	8/4/2000	7	Primary Sample	0024	no		CENTRUM	M4-154-2	T300VO52	268305.3125	1786476.25		OGDEN	yes	
RV820	SRSV02S01	8260B	Vinyl chloride	1	µg/L	U	1	Vapor	8/4/2000	7	Primary Sample	0024	no		CENTRUM	M4-154-2	T300VO52	268305.3125	1786476.25		OGDEN	yes	
RV819	SRSV02S02	8260B	1,1,1,2-Tetrachloroethane	1	µg/L	U	1	Vapor	8/4/2000	12	Primary Sample	0024	no		CENTRUM	M4-154-1	T300VO52	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV819	SRSV02S02	8260B	1,1,1-Trichloroethane	1	µg/L	U	1	Vapor	8/4/2000	12	Primary Sample	0024	no		CENTRUM	M4-154-1	T300VO52	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV819	SRSV02S02	8260B	1,1,2,2-Tetrachloroethane	1	µg/L	U	1	Vapor	8/4/2000	12	Primary Sample	0024	no		CENTRUM	M4-154-1	T300VO52	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV819	SRSV02S02	8260B	1,1,2-Trichloroethane	1	µg/L	U	1	Vapor	8/4/2000	12	Primary Sample	0024	no		CENTRUM	M4-154-1	T300VO52	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV819	SRSV02S02	8260B	1,1,2-Trichlorotrifluoroethane	2.3	µg/L	J	5	Vapor	8/4/2000	12	Primary Sample	0024	no		CENTRUM	M4-154-1	T300VO52	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV819	SRSV02S02	8260B	1,1-Dichloroethane	1	µg/L	U	1	Vapor	8/4/2000	12	Primary Sample	0024	no		CENTRUM	M4-154-1	T300VO52	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV819	SRSV02S02	8260B	1,1-Dichloroethene	1	µg/L	U	1	Vapor	8/4/2000	12	Primary Sample	0024	no		CENTRUM	M4-154-1	T300VO52	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV819	SRSV02S02	8260B	1,2-Dichloroethane	1	µg/L	U	1	Vapor	8/4/2000	12	Primary Sample	0024	no		CENTRUM	M4-154-1	T300VO52	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV819	SRSV02S02	8260B	Benzene	1	µg/L	U	1	Vapor	8/4/2000	12	Primary Sample	0024	no		CENTRUM	M4-154-1	T300VO52	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV819	SRSV02S02	8260B	Carbon tetrachloride	1	µg/L	U	1	Vapor	8/4/2000	12	Primary Sample	0024	no		CENTRUM	M4-154-1	T300VO52	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV819	SRSV02S02	8260B	Chloroethane	1	µg/L	U	1	Vapor	8/4/2000	12	Primary Sample	0024	no		CENTRUM	M4-154-1	T300VO52	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV819	SRSV02S02	8260B	Chloroform	1	µg/L	U	1	Vapor	8/4/2000	12	Primary Sample	0024	no		CENTRUM	M4-154-1	T300VO52	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV819	SRSV02S02	8260B	cis-1,2-Dichloroethene	1	µg/L	U	1	Vapor	8/4/2000	12	Primary Sample	0024	no		CENTRUM	M4-154-1	T300VO52	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV819	SRSV02S02	8260B	Dichlorodifluoromethane	1	µg/L	UJ	1	Vapor	8/4/2000	12	Primary Sample	0024	no		CENTRUM	M4-154-1	T300VO52	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV819	SRSV02S02	8260B	Ethylbenzene	1	µg/L	U	1	Vapor	8/4/2000	12	Primary Sample	0024	no		CENTRUM	M4-154-1	T300VO52	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV819	SRSV02S02	8260B	m,p-Xylene	2	µg/L	U	2	Vapor	8/4/2000	12	Primary Sample	0024	no		CENTRUM	M4-154-1	T300VO52	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV819	SRSV02S02	8260B	Methylene chloride	1	µg/L	U	1	Vapor	8/4/2000	12	Primary Sample	0024	no		CENTRUM	M4-154-1	T300VO52	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV819	SRSV02S02	8260B	o-Xylene	1	µg/L	U	1	Vapor	8/4/2000	12	Primary Sample	0024	no		CENTRUM	M4-154-1	T300VO52	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV819	SRSV02S02	8260B	Tetrachloroethene	1	µg/L	UJ	1	Vapor	8/4/2000	12	Primary Sample	0024	no		CENTRUM	M4-154-1	T300VO52	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV819	SRSV02S02	8260B	Toluene	1	µg/L	U	1	Vapor	8/4/2000	12	Primary Sample	0024	no		CENTRUM	M4-154-1	T300VO52	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
RV819	SRSV02S02	8260B	trans-1,2-Dichloroethene	1	µg/L	U	1	Vapor	8/4/2000	12	Primary Sample	0024	no		CENTRUM	M4-154-1	T300VO52	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV819	SRSV02S02	8260B	Trichloroethene	1	µg/L	U	1	Vapor	8/4/2000	12	Primary Sample	0024	no		CENTRUM	M4-154-1	T300VO52	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV819	SRSV02S02	8260B	Trichlorofluoromethane	1	µg/L	U	1	Vapor	8/4/2000	12	Primary Sample	0024	no		CENTRUM	M4-154-1	T300VO52	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV819	SRSV02S02	8260B	Vinyl chloride	1	µg/L	U	1	Vapor	8/4/2000	12	Primary Sample	0024	no		CENTRUM	M4-154-1	T300VO52	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV971	SRSV02S04	8260B	1,1,1,2-Tetrachloroethane	1	µg/L	U	1	Vapor	12/19/2000	22	Primary Sample	31	no		Centrum-Mobile	M4-203-02	T300VO55	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV971	SRSV02S04	8260B	1,1,1-Trichloroethane	1	µg/L	U	1	Vapor	12/19/2000	22	Primary Sample	31	no		Centrum-Mobile	M4-203-02	T300VO55	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV971	SRSV02S04	8260B	1,1,2,2-Tetrachloroethane	1	µg/L	U	1	Vapor	12/19/2000	22	Primary Sample	31	no		Centrum-Mobile	M4-203-02	T300VO55	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV971	SRSV02S04	8260B	1,1,2-Trichloroethane	1	µg/L	U	1	Vapor	12/19/2000	22	Primary Sample	31	no		Centrum-Mobile	M4-203-02	T300VO55	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV971	SRSV02S04	8260B	1,1,2-Trichlorotrifluoroethane	5	µg/L	U	5	Vapor	12/19/2000	22	Primary Sample	31	no		Centrum-Mobile	M4-203-02	T300VO55	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV971	SRSV02S04	8260B	1,1-Dichloroethane	1	µg/L	U	1	Vapor	12/19/2000	22	Primary Sample	31	no		Centrum-Mobile	M4-203-02	T300VO55	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV971	SRSV02S04	8260B	1,1-Dichloroethene	1	µg/L	U	1	Vapor	12/19/2000	22	Primary Sample	31	no		Centrum-Mobile	M4-203-02	T300VO55	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV971	SRSV02S04	8260B	1,2-Dichloroethane	1	µg/L	U	1	Vapor	12/19/2000	22	Primary Sample	31	no		Centrum-Mobile	M4-203-02	T300VO55	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV971	SRSV02S04	8260B	Benzene	1	µg/L	U	1	Vapor	12/19/2000	22	Primary Sample	31	no		Centrum-Mobile	M4-203-02	T300VO55	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV971	SRSV02S04	8260B	Carbon tetrachloride	1	µg/L	U	1	Vapor	12/19/2000	22	Primary Sample	31	no		Centrum-Mobile	M4-203-02	T300VO55	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV971	SRSV02S04	8260B	Chloroethane	1	µg/L	UJ	1	Vapor	12/19/2000	22	Primary Sample	31	no		Centrum-Mobile	M4-203-02	T300VO55	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV971	SRSV02S04	8260B	Chloroform	1	µg/L	U	1	Vapor	12/19/2000	22	Primary Sample	31	no		Centrum-Mobile	M4-203-02	T300VO55	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV971	SRSV02S04	8260B	cis-1,2-Dichloroethene	1	µg/L	U	1	Vapor	12/19/2000	22	Primary Sample	31	no		Centrum-Mobile	M4-203-02	T300VO55	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV971	SRSV02S04	8260B	Dichlorodifluoromethane	1	µg/L	U	1	Vapor	12/19/2000	22	Primary Sample	31	no		Centrum-Mobile	M4-203-02	T300VO55	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV971	SRSV02S04	8260B	Ethylbenzene	1	µg/L	U	1	Vapor	12/19/2000	22	Primary Sample	31	no		Centrum-Mobile	M4-203-02	T300VO55	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV971	SRSV02S04	8260B	m,p-Xylene	1	µg/L	U	1	Vapor	12/19/2000	22	Primary Sample	31	no		Centrum-Mobile	M4-203-02	T300VO55	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV971	SRSV02S04	8260B	Methylene chloride	1	µg/L	U	1	Vapor	12/19/2000	22	Primary Sample	31	no		Centrum-Mobile	M4-203-02	T300VO55	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV971	SRSV02S04	8260B	o-Xylene	1	µg/L	U	1	Vapor	12/19/2000	22	Primary Sample	31	no		Centrum-Mobile	M4-203-02	T300VO55	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV971	SRSV02S04	8260B	Tetrachloroethene	1	µg/L	U	1	Vapor	12/19/2000	22	Primary Sample	31	no		Centrum-Mobile	M4-203-02	T300VO55	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV971	SRSV02S04	8260B	Toluene	1	µg/L	U	1	Vapor	12/19/2000	22	Primary Sample	31	no		Centrum-Mobile	M4-203-02	T300VO55	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV971	SRSV02S04	8260B	trans-1,2-Dichloroethene	1	µg/L	U	1	Vapor	12/19/2000	22	Primary Sample	31	no		Centrum-Mobile	M4-203-02	T300VO55	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV971	SRSV02S04	8260B	Trichloroethene	1	µg/L	U	1	Vapor	12/19/2000	22	Primary Sample	31	no		Centrum-Mobile	M4-203-02	T300VO55	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV971	SRSV02S04	8260B	Trichlorofluoromethane	1	µg/L	U	1	Vapor	12/19/2000	22	Primary Sample	31	no		Centrum-Mobile	M4-203-02	T300VO55	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV971	SRSV02S04	8260B	Vinyl chloride	1	µg/L	U	1	Vapor	12/19/2000	22	Primary Sample	31	no		Centrum-Mobile	M4-203-02	T300VO55	268305.3125	1786476.25		OGDEN	no	greater than 10 feet bgs
RV821	SRSV03S01	8260B	1,1,1,2-Tetrachloroethane	1	µg/L	U	1	Vapor	8/4/2000	6	Primary Sample	0024	no		CENTRUM	M4-154-3	T300VO52	268161.25	1786491.375		OGDEN	yes	
RV821	SRSV03S01	8260B	1,1,1-Trichloroethane	1	µg/L	U	1	Vapor	8/4/2000	6	Primary Sample	0024	no		CENTRUM	M4-154-3	T300VO52	268161.25	1786491.375		OGDEN	yes	
RV821	SRSV03S01	8260B	1,1,2,2-Tetrachloroethane	1	µg/L	U	1	Vapor	8/4/2000	6	Primary Sample	0024	no		CENTRUM	M4-154-3	T300VO52	268161.25	1786491.375		OGDEN	yes	
RV821	SRSV03S01	8260B	1,1,2-Trichloroethane	1	µg/L	U	1	Vapor	8/4/2000	6	Primary Sample	0024	no		CENTRUM	M4-154-3	T300VO52	268161.25	1786491.375		OGDEN	yes	
RV821	SRSV03S01	8260B	1,1,2-Trichlorotrifluoroethane	2.3	µg/L	J	5	Vapor	8/4/2000	6	Primary Sample	0024	no		CENTRUM	M4-154-3	T300VO52	268161.25	1786491.375		OGDEN	yes	
RV821	SRSV03S01	8260B	1,1-Dichloroethane	1	µg/L	U	1	Vapor	8/4/2000	6	Primary Sample	0024	no		CENTRUM	M4-154-3	T300VO52	268161.25	1786491.375		OGDEN	yes	
RV821	SRSV03S01	8260B	1,1-Dichloroethene	1	µg/L	U	1	Vapor	8/4/2000	6	Primary Sample	0024	no		CENTRUM	M4-154-3	T300VO52	268161.25	1786491.375		OGDEN	yes	
RV821	SRSV03S01	8260B	1,2-Dichloroethane	1	µg/L	U	1	Vapor	8/4/2000	6	Primary Sample	0024	no		CENTRUM	M4-154-3	T300VO52	268161.25	1786491.375		OGDEN	yes	
RV821	SRSV03S01	8260B	Benzene	1	µg/L	U	1	Vapor	8/4/2000	6	Primary Sample	0024	no		CENTRUM	M4-154-3	T300VO52	268161.25	1786491.375		OGDEN	yes	
RV821	SRSV03S01	8260B	Carbon tetrachloride	1	µg/L	U	1	Vapor	8/4/2000	6	Primary Sample	0024	no		CENTRUM	M4-154-3	T300VO52	268161.25	1786491.375		OGDEN	yes	
RV821	SRSV03S01	8260B	Chloroethane	1	µg/L	U	1	Vapor	8/4/2000	6	Primary Sample	0024	no		CENTRUM	M4-154-3	T300VO52	268161.25	1786491.375		OGDEN	yes	
RV821	SRSV03S01	8260B	Chloroform	1	µg/L	U	1	Vapor	8/4/2000	6	Primary Sample	0024	no		CENTRUM	M4-154-3	T300VO52	268161.25	1786491.375		OGDEN	yes	
RV821	SRSV03S01	8260B	cis-1,2-Dichloroethene	1	µg/L	U	1	Vapor	8/4/2000	6	Primary Sample	0024	no		CENTRUM	M4-154-3	T300VO52	268161.25	1786491.375		OGDEN	yes	
RV821	SRSV03S01	8260B	Dichlorodifluoromethane	1	µg/L	UJ	1	Vapor	8/4/2000	6	Primary Sample	0024	no		CENTRUM	M4-154-3	T300VO52	268161.25	1786491.375		OGDEN	yes	
RV821	SRSV03S01	8260B	Ethylbenzene	1	µg/L	U	1	Vapor	8/4/2000	6	Primary Sample	0024	no		CENTRUM	M4-154-3	T300VO52	268161.25	1786491.375		OGDEN	yes	
RV821	SRSV03S01	8260B	m,p-Xylene	2	µg/L	U	2	Vapor	8/4/2000	6	Primary Sample	0024	no		CENTRUM	M4-154-3	T300VO52	268161.25	1786491.375		OGDEN	yes	
RV821	SRSV03S01	8260B	Methylene chloride	1	µg/L	U	1	Vapor	8/4/2000	6	Primary Sample	0024	no		CENTRUM	M4-154-3	T300VO52	268161.25	1786491.375		OGDEN	yes	
RV821	SRSV03S01	8260B	o-Xylene	1	µg/L	U	1	Vapor	8/4/2000	6	Primary Sample	0024	no		CENTRUM	M4-154-3	T300VO52	268161.25	1786491.375		OGDEN	yes	
RV821	SRSV03S01	8260B	Tetrachloroethene	1	µg/L	UJ	1	Vapor	8/4/2000	6	Primary Sample	0024	no		CENTRUM	M4-154-3	T300VO52	268161.25	1786491.375		OGDEN	yes	
RV821	SRSV03S01	8260B	Toluene	1	µg/L	U	1	Vapor	8/4/2000	6	Primary Sample	0024	no		CENTRUM	M4-154-3	T300VO52	268161.25	1786491.375		OGDEN	yes	
RV821	SRSV03S01	8260B	trans-1,2-Dichloroethene	1	µg/L	U	1	Vapor	8/4/2000	6	Primary Sample	0024	no		CENTRUM	M4-154-3	T300VO52	268161.25	1786491.375		OGDEN	yes	
RV821	SRSV03S01	8260B	Trichloroethene	1	µg/L	U	1	Vapor	8/4/2000	6	Primary Sample	0024	no		CENTRUM	M4-154-3	T300VO52	268161.25	1786491.375		OGDEN	yes	
RV821	SRSV03S01	8260B	Trichlorofluoromethane	1	µg/L	U	1	Vapor	8/4/2000	6	Primary Sample	0024	no		CENTRUM	M4-154-3	T300VO52	268161.25	1786491.375		OGDEN	yes	
RV821	SRSV03S01	8260B	Vinyl chloride	1	µg/L	U	1	Vapor	8/4/2000	6	Primary Sample	0024	no		CENTRUM	M4-154-3	T300VO52	268161.25	1786491.375		OGDEN	yes	
RV823	SRSV04S01	8260B	1,1,1,2-Tetrachloroethane	1	µg/L	U	1	Vapor	8/4/2000	4	Primary Sample	0024	no		CENTRUM	M4-154-5	T300VO52	268249.5	1786266		OGDEN	yes	
RV823	SRSV04S01	8260B	1,1,1-Trichloroethane	1	µg/L	U	1	Vapor	8/4/2000	4	Primary Sample	0024	no		CENTRUM	M4-154-5	T300VO52	268249.5	1786266		OGDEN	yes	
RV823	SRSV04S01	8260B	1,1,2,2-Tetrachloroethane	1	µg/L	U	1	Vapor	8/4/2000	4	Primary Sample	0024	no		CENTRUM	M4-154-5	T300VO52	268249.5	1786266		OGDEN	yes	
RV823	SRSV04S01	8260B	1,1,2-Trichloroethane	1	µg/L	U	1	Vapor	8/4/2000	4	Primary Sample	0024	no		CENTRUM	M4-154-5	T300VO52	268249.5	1786266		OGDEN	yes	
RV823	SRSV04S01	8260B	1,1,2-Trichlorotrifluoroethane	3.8	µg/L	J	5	Vapor	8/4/2000	4	Primary Sample	0024	no		CENTRUM	M4-154-5	T300VO52	268249.5	1786266		OGDEN	yes	
RV823	SRSV04S01	8260B	1,1-Dichloroethane	1	µg/L	U	1	Vapor	8/4/2000	4	Primary Sample	0024	no		CENTRUM	M4-154-5	T300VO52	268249.5	1786266		OGDEN	yes	
RV823	SRSV04S01	8260B	1,1-Dichloroethene	1	µg/L	U	1	Vapor	8/4/2000	4	Primary Sample	0024	no		CENTRUM	M4-154-5	T300VO52	268249.5	1786266		OGDEN	yes	
RV823	SRSV04S01	8260B	1,2-Dichloroethane	1	µg/L	U	1	Vapor	8/4/2000	4	Primary Sample	0024	no		CENTRUM	M4-154-5	T300VO52	268249.5	1786266		OGDEN	yes	
RV823	SRSV04S01	8260B	Benzene	1	µg/L	U	1	Vapor	8/4/2000	4	Primary Sample	0024	no		CENTRUM	M4-154-5	T300VO52	268249.5	1786266		OGDEN	yes	
RV823	SRSV04S01	8260B	Carbon tetrachloride	1	µg/L	U	1	Vapor	8/4/2000	4	Primary Sample	0024	no		CENTRUM	M4-154-5	T300VO52	268249.5	1786266		OGDEN	yes	
RV823	SRSV04S01	8260B	Chloroethane	1	µg/L	U	1	Vapor	8/4/2000	4	Primary Sample	0024	no		CENTRUM	M4-154-5	T300VO52	268249.5	1786266		OGDEN	yes	
RV823	SRSV04S01	8260B	Chloroform	1	µg/L	U	1	Vapor	8/4/2000	4	Primary Sample	0024	no		CENTRUM	M4-154-5	T300VO52	268249.5	1786266		OGDEN	yes	
RV823	SRSV04S01	8260B	cis-1,2-Dichloroethene	1	µg/L	U	1	Vapor	8/4/2000	4	Primary Sample	0024	no		CENTRUM	M4-154-5	T300VO52	268249.5	1786266		OGDEN	yes	
RV823	SRSV04S01	8260B	Dichlorodifluoromethane	1	µg/L	UJ	1	Vapor	8/4/2000	4	Primary Sample	0024	no		CENTRUM	M4-154-5	T300VO52	268249.5	1786266		OGDEN	yes	
RV823	SRSV04S01	8260B	Ethylbenzene	1	µg/L	U	1	Vapor	8/4/2000	4	Primary Sample	0024	no		CENTRUM	M4-154-5	T300VO52	268249.5	1786266		OGDEN	yes	
RV823	SRSV04S01	8260B	m,p-Xylene	2	µg/L	U	2	Vapor	8/4/2000	4	Primary Sample	0024	no		CENTRUM	M4-154-5	T300VO52	268249.5	1786266		OGDEN	yes	
RV823	SRSV04S01	8260B	Methylene chloride	1	µg/L	U	1	Vapor	8/4/2000	4	Primary Sample	0024	no		CENTRUM	M4-154-5	T300VO52	268249.5	1786266		OGDEN	yes	
RV823	SRSV04S01	8260B	o-Xylene	1	µg/L	U	1	Vapor	8/4/2000	4	Primary Sample	0024	no		CENTRUM	M4-154-5	T300VO52	268249.5	1786266		OGDEN	yes	
RV823	SRSV04S01	8260B	Tetrachloroethene	1	µg/L	UJ	1	Vapor	8/4/2000	4	Primary Sample	0024	no		CENTRUM	M4-154-5	T300VO52	268249.5	1786266		OGDEN	yes	
RV823	SRSV04S01	8260B	Toluene	1	µg/L	U	1	Vapor	8/4/2000	4	Primary Sample	0024	no		CENTRUM	M4-154-5	T300VO52	268249.5	1786266		OGDEN	yes	
RV823	SRSV04S01	8260B	trans-1,2-Dichloroethene	1	µg/L	U	1	Vapor	8/4/2000	4	Primary Sample	0024	no		CENTRUM	M4-154-5	T300VO52	268249.5	1786266		OGDEN	yes	
RV823	SRSV04S01	8260B	Trichloroethene	1	µg/L	U	1	Vapor	8/4/2000	4	Primary Sample	0024	no		CENTRUM	M4-154-5	T300VO52	268249.5	1786266		OGDEN	yes	
RV823	SRSV04S01	8260B	Trichlorofluoromethane	1	µg/L	U	1	Vapor	8/4/2000	4	Primary Sample	0024	no		CENTRUM	M4-154-5	T300VO52	268249.5	1786266		OGDEN	yes	
RV823	SRSV04S01	8260B	Vinyl chloride	1	µg/L	U	1	Vapor	8/4/2000	4	Primary Sample	0024	no		CENTRUM	M4-154-5	T300VO52	268249.5	1786266		OGDEN	yes	
RV824	SRSV06S01	8260B	1,1,1,2-Tetrachloroethane	1	µg/L	U	1	Vapor	8/4/2000	2	Primary Sample	0024	no		CENTRUM	M4-154-6	T300VO52	268249.875	1786060.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV824	SRSV06S01	8260B	1,1,1-Trichloroethane	1	µg/L	U	1	Vapor	8/4/2000	2	Primary Sample	0024	no		CENTRUM	M4-154-6	T300VO52	268249.875	1786060.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV824	SRSV06S01	8260B	1,1,2,2-Tetrachloroethane	1	µg/L	U	1	Vapor	8/4/2000	2	Primary Sample	0024	no		CENTRUM	M4-154-6	T300VO52	268249.875	1786060.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV824	SRSV06S01	8260B	1,1,2-Trichloroethane	1	µg/L	U	1	Vapor	8/4/2000	2	Primary Sample	0024	no		CENTRUM	M4-154-6	T300VO52	268249.875	1786060.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV824	SRSV06S01	8260B	1,1,2-Trichlorotrifluoroethane	3.9	µg/L	J	5	Vapor	8/4/2000	2	Primary Sample	0024	no		CENTRUM	M4-154-6	T300VO52	268249.875	1786060.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV824	SRSV06S01	8260B	1,1-Dichloroethane	1	µg/L	U	1	Vapor	8/4/2000	2	Primary Sample	0024	no		CENTRUM	M4-154-6	T300VO52	268249.875	1786060.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV824	SRSV06S01	8260B	1,1-Dichloroethene	1	µg/L	U	1	Vapor	8/4/2000	2	Primary Sample	0024	no		CENTRUM	M4-154-6	T300VO52	268249.875	1786060.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV824	SRSV06S01	8260B	1,2-Dichloroethane	1	µg/L	U	1	Vapor	8/4/2000	2	Primary Sample	0024	no		CENTRUM	M4-154-6	T300VO52	268249.875	1786060.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV824	SRSV06S01	8260B	Benzene	1	µg/L	U	1	Vapor	8/4/2000	2	Primary Sample	0024	no		CENTRUM	M4-154-6	T300VO52	268249.875	1786060.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV824	SRSV06S01	8260B	Carbon tetrachloride	1	µg/L	U	1	Vapor	8/4/2000	2	Primary Sample	0024	no		CENTRUM	M4-154-6	T300VO52	268249.875	1786060.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV824	SRSV06S01	8260B	Chloroethane	1	µg/L	U	1	Vapor	8/4/2000	2	Primary Sample	0024	no		CENTRUM	M4-154-6	T300VO52	268249.875	1786060.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV824	SRSV06S01	8260B	Chloroform	1	µg/L	U	1	Vapor	8/4/2000	2	Primary Sample	0024	no		CENTRUM	M4-154-6	T300VO52	268249.875	1786060.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV824	SRSV06S01	8260B	cis-1,2-Dichloroethene	1	µg/L	U	1	Vapor	8/4/2000	2	Primary Sample	0024	no		CENTRUM	M4-154-6	T300VO52	268249.875	1786060.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV824	SRSV06S01	8260B	Dichlorodifluoromethane	1	µg/L	UJ	1	Vapor	8/4/2000	2	Primary Sample	0024	no		CENTRUM	M4-154-6	T300VO52	268249.875	1786060.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV824	SRSV06S01	8260B	Ethylbenzene	1	µg/L	U	1	Vapor	8/4/2000	2	Primary Sample	0024	no		CENTRUM	M4-154-6	T300VO52	268249.875	1786060.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV824	SRSV06S01	8260B	m,p-Xylene	2	µg/L	U	2	Vapor	8/4/2000	2	Primary Sample	0024	no		CENTRUM	M4-154-6	T300VO52	268249.875	1786060.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV824	SRSV06S01	8260B	Methylene chloride	1	µg/L	U	1	Vapor	8/4/2000	2	Primary Sample	0024	no		CENTRUM	M4-154-6	T300VO52	268249.875	1786060.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV824	SRSV06S01	8260B	o-Xylene	1	µg/L	U	1	Vapor	8/4/2000	2	Primary Sample	0024	no		CENTRUM	M4-154-6	T300VO52	268249.875	1786060.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
RV824	SRSV06S01	8260B	Tetrachloroethene	1	µg/L	UJ	1	Vapor	8/4/2000	2	Primary Sample	0024	no		CENTRUM	M4-154-6	T300VO52	268249.875	1786060.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV824	SRSV06S01	8260B	Toluene	1	µg/L	U	1	Vapor	8/4/2000	2	Primary Sample	0024	no		CENTRUM	M4-154-6	T300VO52	268249.875	1786060.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV824	SRSV06S01	8260B	trans-1,2-Dichloroethene	1	µg/L	U	1	Vapor	8/4/2000	2	Primary Sample	0024	no		CENTRUM	M4-154-6	T300VO52	268249.875	1786060.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV824	SRSV06S01	8260B	Trichloroethene	1	µg/L	U	1	Vapor	8/4/2000	2	Primary Sample	0024	no		CENTRUM	M4-154-6	T300VO52	268249.875	1786060.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV824	SRSV06S01	8260B	Trichlorofluoromethane	1	µg/L	U	1	Vapor	8/4/2000	2	Primary Sample	0024	no		CENTRUM	M4-154-6	T300VO52	268249.875	1786060.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV824	SRSV06S01	8260B	Vinyl chloride	1	µg/L	U	1	Vapor	8/4/2000	2	Primary Sample	0024	no		CENTRUM	M4-154-6	T300VO52	268249.875	1786060.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV825	SRSV07S01	8260B	1,1,1,2-Tetrachloroethane	1	µg/L	U	1	Vapor	8/4/2000	2.5	Primary Sample	0024	no		CENTRUM	M4-154-7	T300VO52	268388.375	1786134.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV825	SRSV07S01	8260B	1,1,1-Trichloroethane	1	µg/L	U	1	Vapor	8/4/2000	2.5	Primary Sample	0024	no		CENTRUM	M4-154-7	T300VO52	268388.375	1786134.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV825	SRSV07S01	8260B	1,1,2,2-Tetrachloroethane	1	µg/L	U	1	Vapor	8/4/2000	2.5	Primary Sample	0024	no		CENTRUM	M4-154-7	T300VO52	268388.375	1786134.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV825	SRSV07S01	8260B	1,1,2-Trichloroethane	1	µg/L	U	1	Vapor	8/4/2000	2.5	Primary Sample	0024	no		CENTRUM	M4-154-7	T300VO52	268388.375	1786134.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV825	SRSV07S01	8260B	1,1,2-Trichlorotrifluoroethane	3.5	µg/L	J	5	Vapor	8/4/2000	2.5	Primary Sample	0024	no		CENTRUM	M4-154-7	T300VO52	268388.375	1786134.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV825	SRSV07S01	8260B	1,1-Dichloroethane	1	µg/L	U	1	Vapor	8/4/2000	2.5	Primary Sample	0024	no		CENTRUM	M4-154-7	T300VO52	268388.375	1786134.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV825	SRSV07S01	8260B	1,1-Dichloroethene	1	µg/L	U	1	Vapor	8/4/2000	2.5	Primary Sample	0024	no		CENTRUM	M4-154-7	T300VO52	268388.375	1786134.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV825	SRSV07S01	8260B	1,2-Dichloroethane	1	µg/L	U	1	Vapor	8/4/2000	2.5	Primary Sample	0024	no		CENTRUM	M4-154-7	T300VO52	268388.375	1786134.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV825	SRSV07S01	8260B	Benzene	1	µg/L	U	1	Vapor	8/4/2000	2.5	Primary Sample	0024	no		CENTRUM	M4-154-7	T300VO52	268388.375	1786134.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV825	SRSV07S01	8260B	Carbon tetrachloride	1	µg/L	U	1	Vapor	8/4/2000	2.5	Primary Sample	0024	no		CENTRUM	M4-154-7	T300VO52	268388.375	1786134.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV825	SRSV07S01	8260B	Chloroethane	1	µg/L	U	1	Vapor	8/4/2000	2.5	Primary Sample	0024	no		CENTRUM	M4-154-7	T300VO52	268388.375	1786134.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV825	SRSV07S01	8260B	Chloroform	1	µg/L	U	1	Vapor	8/4/2000	2.5	Primary Sample	0024	no		CENTRUM	M4-154-7	T300VO52	268388.375	1786134.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV825	SRSV07S01	8260B	cis-1,2-Dichloroethene	1	µg/L	U	1	Vapor	8/4/2000	2.5	Primary Sample	0024	no		CENTRUM	M4-154-7	T300VO52	268388.375	1786134.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV825	SRSV07S01	8260B	Dichlorodifluoromethane	1	µg/L	UJ	1	Vapor	8/4/2000	2.5	Primary Sample	0024	no		CENTRUM	M4-154-7	T300VO52	268388.375	1786134.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV825	SRSV07S01	8260B	Ethylbenzene	1	µg/L	U	1	Vapor	8/4/2000	2.5	Primary Sample	0024	no		CENTRUM	M4-154-7	T300VO52	268388.375	1786134.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV825	SRSV07S01	8260B	m,p-Xylene	2	µg/L	U	2	Vapor	8/4/2000	2.5	Primary Sample	0024	no		CENTRUM	M4-154-7	T300VO52	268388.375	1786134.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV825	SRSV07S01	8260B	Methylene chloride	1	µg/L	U	1	Vapor	8/4/2000	2.5	Primary Sample	0024	no		CENTRUM	M4-154-7	T300VO52	268388.375	1786134.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV825	SRSV07S01	8260B	o-Xylene	1	µg/L	U	1	Vapor	8/4/2000	2.5	Primary Sample	0024	no		CENTRUM	M4-154-7	T300VO52	268388.375	1786134.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV825	SRSV07S01	8260B	Tetrachloroethene	1	µg/L	UJ	1	Vapor	8/4/2000	2.5	Primary Sample	0024	no		CENTRUM	M4-154-7	T300VO52	268388.375	1786134.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV825	SRSV07S01	8260B	Toluene	1	µg/L	U	1	Vapor	8/4/2000	2.5	Primary Sample	0024	no		CENTRUM	M4-154-7	T300VO52	268388.375	1786134.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV825	SRSV07S01	8260B	trans-1,2-Dichloroethene	1	µg/L	U	1	Vapor	8/4/2000	2.5	Primary Sample	0024	no		CENTRUM	M4-154-7	T300VO52	268388.375	1786134.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV825	SRSV07S01	8260B	Trichloroethene	1	µg/L	U	1	Vapor	8/4/2000	2.5	Primary Sample	0024	no		CENTRUM	M4-154-7	T300VO52	268388.375	1786134.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV825	SRSV07S01	8260B	Trichlorofluoromethane	1	µg/L	U	1	Vapor	8/4/2000	2.5	Primary Sample	0024	no		CENTRUM	M4-154-7	T300VO52	268388.375	1786134.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
RV825	SRSV07S01	8260B	Vinyl chloride	1	µg/L	U	1	Vapor	8/4/2000	2.5	Primary Sample	0024	no		CENTRUM	M4-154-7	T300VO52	268388.375	1786134.875		OGDEN	no	Samples less than 3 feet bgs not used as per Appendix G of SRAM
MV565	SRSV08S01	8260B	1,1,1,2-Tetrachloroethane	1	µg/L	U	1	Vapor	2/27/2006	3	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-01	B5VO1	268417.0452	1786489.124		MWH	yes	
MV565	SRSV08S01	8260B	1,1,1-Trichloroethane	1	µg/L	U	1	Vapor	2/27/2006	3	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-01	B5VO1	268417.0452	1786489.124		MWH	yes	
MV565	SRSV08S01	8260B	1,1,2,2-Tetrachloroethane	2	µg/L	U	2	Vapor	2/27/2006	3	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-01	B5VO1	268417.0452	1786489.124		MWH	yes	
MV565	SRSV08S01	8260B	1,1,2-Trichloroethane	1	µg/L	U	1	Vapor	2/27/2006	3	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-01	B5VO1	268417.0452	1786489.124		MWH	yes	
MV565	SRSV08S01	8260B	1,1,2-Trichlorotrifluoroethane	5	µg/L	U	5	Vapor	2/27/2006	3	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-01	B5VO1	268417.0452	1786489.124		MWH	yes	
MV565	SRSV08S01	8260B	1,1-Dichloroethane	1	µg/L	U	1	Vapor	2/27/2006	3	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-01	B5VO1	268417.0452	1786489.124		MWH	yes	
MV565	SRSV08S01	8260B	1,1-Dichloroethene	1	µg/L	U	1	Vapor	2/27/2006	3	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-01	B5VO1	268417.0452	1786489.124		MWH	yes	
MV565	SRSV08S01	8260B	1,2-Dichloroethane	1	µg/L	U	1	Vapor	2/27/2006	3	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-01	B5VO1	268417.0452	1786489.124		MWH	yes	
MV565	SRSV08S01	8260B	Benzene	1	µg/L	U	1	Vapor	2/27/2006	3	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-01	B5VO1	268417.0452	1786489.124		MWH	yes	
MV565	SRSV08S01	8260B	Carbon tetrachloride	1	µg/L	U	1	Vapor	2/27/2006	3	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-01	B5VO1	268417.0452	1786489.124		MWH	yes	
MV565	SRSV08S01	8260B	Chloroethane	1	µg/L	U	1	Vapor	2/27/2006	3	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-01	B5VO1	268417.0452	1786489.124		MWH	yes	
MV565	SRSV08S01	8260B	Chloroform	1	µg/L	U	1	Vapor	2/27/2006	3	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-01	B5VO1	268417.0452	1786489.124		MWH	yes	
MV565	SRSV08S01	8260B	cis-1,2-Dichloroethene	1	µg/L	U	1	Vapor	2/27/2006	3	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-01	B5VO1	268417.0452	1786489.124		MWH	yes	
MV565	SRSV08S01	8260B	Dichlorodifluoromethane	1	µg/L	U	1	Vapor	2/27/2006	3	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-01	B5VO1	268417.0452	1786489.124		MWH	yes	
MV565	SRSV08S01	8260B	Ethylbenzene	1	µg/L	U	1	Vapor	2/27/2006	3	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-01	B5VO1	268417.0452	1786489.124		MWH	yes	
MV565	SRSV08S01	8260B	m,p-Xylene	2	µg/L	U	2	Vapor	2/27/2006	3	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-01	B5VO1	268417.0452	1786489.124		MWH	yes	
MV565	SRSV08S01	8260B	Methylene chloride	50	µg/L	U	50	Vapor	2/27/2006	3	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-01	B5VO1	268417.0452	1786489.124		MWH	yes	
MV565	SRSV08S01	8260B	o-Xylene	1	µg/L	U	1	Vapor	2/27/2006	3	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-01	B5VO1	268417.0452	1786489.124		MWH	yes	
MV565	SRSV08S01	8260B	Tetrachloroethene	1	µg/L	U	1	Vapor	2/27/2006	3	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-01	B5VO1	268417.0452	1786489.124		MWH	yes	
MV565	SRSV08S01	8260B	Toluene	1	µg/L	U	1	Vapor	2/27/2006	3	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-01	B5VO1	268417.0452	1786489.124		MWH	yes	
MV565	SRSV08S01	8260B	trans-1,2-Dichloroethene	1	µg/L	U	1	Vapor	2/27/2006	3	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-01	B5VO1	268417.0452	1786489.124		MWH	yes	
MV565	SRSV08S01	8260B	Trichloroethene	1	µg/L	U	1	Vapor	2/27/2006	3	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-01	B5VO1	268417.0452	1786489.124		MWH	yes	
MV565	SRSV08S01	8260B	Trichlorofluoromethane	1	µg/L	U	1	Vapor	2/27/2006	3	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-01	B5VO1	268417.0452	1786489.124		MWH	yes	
MV565	SRSV08S01	8260B	Vinyl chloride	2	µg/L	U	2	Vapor	2/27/2006	3	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-01	B5VO1	268417.0452	1786489.124		MWH	yes	
MV566	SRSV09S01	8260B	1,1,1,2-Tetrachloroethane	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-02	B5VO1	268472.0561	1786485.109		MWH	yes	
MV566	SRSV09S01	8260B	1,1,1-Trichloroethane	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-02	B5VO1	268472.0561	1786485.109		MWH	yes	
MV566	SRSV09S01	8260B	1,1,2,2-Tetrachloroethane	2	µg/L	U	2	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-02	B5VO1	268472.0561	1786485.109		MWH	yes	
MV566	SRSV09S01	8260B	1,1,2-Trichloroethane	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-02	B5VO1	268472.0561	1786485.109		MWH	yes	
MV566	SRSV09S01	8260B	1,1,2-Trichlorotrifluoroethane	5	µg/L	U	5	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-02	B5VO1	268472.0561	1786485.109		MWH	yes	
MV566	SRSV09S01	8260B	1,1-Dichloroethane	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-02	B5VO1	268472.0561	1786485.109		MWH	yes	
MV566	SRSV09S01	8260B	1,1-Dichloroethene	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-02	B5VO1	268472.0561	1786485.109		MWH	yes	
MV566	SRSV09S01	8260B	1,2-Dichloroethane	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-02	B5VO1	268472.0561	1786485.109		MWH	yes	
MV566	SRSV09S01	8260B	Benzene	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-02	B5VO1	268472.0561	1786485.109		MWH	yes	
MV566	SRSV09S01	8260B	Carbon tetrachloride	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-02	B5VO1	268472.0561	1786485.109		MWH	yes	
MV566	SRSV09S01	8260B	Chloroethane	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-02	B5VO1	268472.0561	1786485.109		MWH	yes	
MV566	SRSV09S01	8260B	Chloroform	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-02	B5VO1	268472.0561	1786485.109		MWH	yes	
MV566	SRSV09S01	8260B	cis-1,2-Dichloroethene	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-02	B5VO1	268472.0561	1786485.109		MWH	yes	
MV566	SRSV09S01	8260B	Dichlorodifluoromethane	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-02	B5VO1	268472.0561	1786485.109		MWH	yes	
MV566	SRSV09S01	8260B	Ethylbenzene	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-02	B5VO1	268472.0561	1786485.109		MWH	yes	
MV566	SRSV09S01	8260B	m,p-Xylene	2	µg/L	U	2	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-02	B5VO1	268472.0561	1786485.109		MWH	yes	
MV566	SRSV09S01	8260B	Methylene chloride	50	µg/L	U	50	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-02	B5VO1	268472.0561	1786485.109		MWH	yes	
MV566	SRSV09S01	8260B	o-Xylene	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-02	B5VO1	268472.0561	1786485.109		MWH	yes	
MV566	SRSV09S01	8260B	Tetrachloroethene	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-02	B5VO1	268472.0561	1786485.109		MWH	yes	
MV566	SRSV09S01	8260B	Toluene	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-02	B5VO1	268472.0561	1786485.109		MWH	yes	
MV566	SRSV09S01	8260B	trans-1,2-Dichloroethene	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-02	B5VO1	268472.0561	1786485.109		MWH	yes	
MV566	SRSV09S01	8260B	Trichloroethene	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-02	B5VO1	268472.0561	1786485.109		MWH	yes	
MV566	SRSV09S01	8260B	Trichlorofluoromethane	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-02	B5VO1	268472.0561	1786485.109		MWH	yes	
MV566	SRSV09S01	8260B	Vinyl chloride	2	µg/L	U	2	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-02	B5VO1	268472.0561	1786485.109		MWH	yes	
MV567	SRSV10S01	8260B	1,1,1,2-Tetrachloroethane	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-03	B5VO1	268439.3762	1786403.827		MWH	yes	
MV567	SRSV10S01	8260B	1,1,1-Trichloroethane	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-03	B5VO1	268439.3762	1786403.827		MWH	yes	
MV567	SRSV10S01	8260B	1,1,2,2-Tetrachloroethane	2	µg/L	U	2	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-03	B5VO1	268439.3762	1786403.827		MWH	yes	
MV567	SRSV10S01	8260B	1,1,2-Trichloroethane	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-03	B5VO1	268439.3762	1786403.827		MWH	yes	
MV567	SRSV10S01	8260B	1,1,2-Trichlorotrifluoroethane	5	µg/L	U	5	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-03	B5VO1	268439.3762	1786403.827		MWH	yes	
MV567	SRSV10S01	8260B	1,1-Dichloroethane	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-03	B5VO1	268439.3762	1786403.827		MWH	yes	
MV567	SRSV10S01	8260B	1,1-Dichloroethene	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-03	B5VO1	268439.3762	1786403.827		MWH	yes	
MV567	SRSV10S01	8260B	1,2-Dichloroethane	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-03	B5VO1	268439.3762	1786403.827		MWH	yes	
MV567	SRSV10S01	8260B	Benzene	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-03	B5VO1	268439.3762	1786403.827		MWH	yes	
MV567	SRSV10S01	8260B	Carbon tetrachloride	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-03	B5VO1	268439.3762	1786403.827		MWH	yes	
MV567	SRSV10S01	8260B	Chloroethane	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-03	B5VO1	268439.3762	1786403.827		MWH	yes	
MV567	SRSV10S01	8260B	Chloroform	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-03	B5VO1	268439.3762	1786403.827		MWH	yes	
MV567	SRSV10S01	8260B	cis-1,2-Dichloroethene	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-03	B5VO1	268439.3762	1786403.827		MWH	yes	
MV567	SRSV10S01	8260B	Dichlorodifluoromethane	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-03	B5VO1	268439.3762	1786403.827		MWH	yes	
MV567	SRSV10S01	8260B	Ethylbenzene	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-03	B5VO1	268439.3762	1786403.827		MWH	yes	
MV567	SRSV10S01	8260B	m,p-Xylene	2	µg/L	U	2	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-03	B5VO1	268439.3762	1786403.827		MWH	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
MV567	SRSV10S01	8260B	Methylene chloride	50	µg/L	U	50	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-03	B5V01	268439.3762	1786403.827		MWH	yes	
MV567	SRSV10S01	8260B	o-Xylene	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-03	B5V01	268439.3762	1786403.827		MWH	yes	
MV567	SRSV10S01	8260B	Tetrachloroethene	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-03	B5V01	268439.3762	1786403.827		MWH	yes	
MV567	SRSV10S01	8260B	Toluene	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-03	B5V01	268439.3762	1786403.827		MWH	yes	
MV567	SRSV10S01	8260B	trans-1,2-Dichloroethene	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-03	B5V01	268439.3762	1786403.827		MWH	yes	
MV567	SRSV10S01	8260B	Trichloroethene	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-03	B5V01	268439.3762	1786403.827		MWH	yes	
MV567	SRSV10S01	8260B	Trichlorofluoromethane	1	µg/L	U	1	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-03	B5V01	268439.3762	1786403.827		MWH	yes	
MV567	SRSV10S01	8260B	Vinyl chloride	2	µg/L	U	2	Vapor	2/27/2006	4	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-03	B5V01	268439.3762	1786403.827		MWH	yes	
MV571	SRSV11D03	8260B	1,1,1,2-Tetrachloroethane	1	µg/L	U	1	Vapor	2/27/2006	20	Field Duplicate	M4-791	no		CENTRUM-mobile	M4-791-07	B5V01	268486.2187	1786351.913		MWH	no	duplicate result
MV571	SRSV11D03	8260B	1,1,1-Trichloroethane	1	µg/L	U	1	Vapor	2/27/2006	20	Field Duplicate	M4-791	no		CENTRUM-mobile	M4-791-07	B5V01	268486.2187	1786351.913		MWH	no	duplicate result
MV571	SRSV11D03	8260B	1,1,2,2-Tetrachloroethane	2	µg/L	U	2	Vapor	2/27/2006	20	Field Duplicate	M4-791	no		CENTRUM-mobile	M4-791-07	B5V01	268486.2187	1786351.913		MWH	no	duplicate result
MV571	SRSV11D03	8260B	1,1,2-Trichloroethane	1	µg/L	U	1	Vapor	2/27/2006	20	Field Duplicate	M4-791	no		CENTRUM-mobile	M4-791-07	B5V01	268486.2187	1786351.913		MWH	no	duplicate result
MV571	SRSV11D03	8260B	1,1,2-Trichlorotrifluoroethane	5	µg/L	U	5	Vapor	2/27/2006	20	Field Duplicate	M4-791	no		CENTRUM-mobile	M4-791-07	B5V01	268486.2187	1786351.913		MWH	no	duplicate result
MV571	SRSV11D03	8260B	1,1-Dichloroethane	1	µg/L	U	1	Vapor	2/27/2006	20	Field Duplicate	M4-791	no		CENTRUM-mobile	M4-791-07	B5V01	268486.2187	1786351.913		MWH	no	duplicate result
MV571	SRSV11D03	8260B	1,1-Dichloroethene	1	µg/L	U	1	Vapor	2/27/2006	20	Field Duplicate	M4-791	no		CENTRUM-mobile	M4-791-07	B5V01	268486.2187	1786351.913		MWH	no	duplicate result
MV571	SRSV11D03	8260B	1,2-Dichloroethane	1	µg/L	U	1	Vapor	2/27/2006	20	Field Duplicate	M4-791	no		CENTRUM-mobile	M4-791-07	B5V01	268486.2187	1786351.913		MWH	no	duplicate result
MV571	SRSV11D03	8260B	Benzene	1	µg/L	U	1	Vapor	2/27/2006	20	Field Duplicate	M4-791	no		CENTRUM-mobile	M4-791-07	B5V01	268486.2187	1786351.913		MWH	no	duplicate result
MV571	SRSV11D03	8260B	Carbon tetrachloride	1	µg/L	U	1	Vapor	2/27/2006	20	Field Duplicate	M4-791	no		CENTRUM-mobile	M4-791-07	B5V01	268486.2187	1786351.913		MWH	no	duplicate result
MV571	SRSV11D03	8260B	Chloroethane	1	µg/L	U	1	Vapor	2/27/2006	20	Field Duplicate	M4-791	no		CENTRUM-mobile	M4-791-07	B5V01	268486.2187	1786351.913		MWH	no	duplicate result
MV571	SRSV11D03	8260B	Chloroform	1	µg/L	U	1	Vapor	2/27/2006	20	Field Duplicate	M4-791	no		CENTRUM-mobile	M4-791-07	B5V01	268486.2187	1786351.913		MWH	no	duplicate result
MV571	SRSV11D03	8260B	cis-1,2-Dichloroethene	1	µg/L	U	1	Vapor	2/27/2006	20	Field Duplicate	M4-791	no		CENTRUM-mobile	M4-791-07	B5V01	268486.2187	1786351.913		MWH	no	duplicate result
MV571	SRSV11D03	8260B	Dichlorodifluoromethane	1	µg/L	U	1	Vapor	2/27/2006	20	Field Duplicate	M4-791	no		CENTRUM-mobile	M4-791-07	B5V01	268486.2187	1786351.913		MWH	no	duplicate result
MV571	SRSV11D03	8260B	Ethylbenzene	1	µg/L	U	1	Vapor	2/27/2006	20	Field Duplicate	M4-791	no		CENTRUM-mobile	M4-791-07	B5V01	268486.2187	1786351.913		MWH	no	duplicate result
MV571	SRSV11D03	8260B	m,p-Xylene	2	µg/L	U	2	Vapor	2/27/2006	20	Field Duplicate	M4-791	no		CENTRUM-mobile	M4-791-07	B5V01	268486.2187	1786351.913		MWH	no	duplicate result
MV571	SRSV11D03	8260B	Methylene chloride	50	µg/L	U	50	Vapor	2/27/2006	20	Field Duplicate	M4-791	no		CENTRUM-mobile	M4-791-07	B5V01	268486.2187	1786351.913		MWH	no	duplicate result
MV571	SRSV11D03	8260B	o-Xylene	1	µg/L	U	1	Vapor	2/27/2006	20	Field Duplicate	M4-791	no		CENTRUM-mobile	M4-791-07	B5V01	268486.2187	1786351.913		MWH	no	duplicate result
MV571	SRSV11D03	8260B	Tetrachloroethene	1	µg/L	U	1	Vapor	2/27/2006	20	Field Duplicate	M4-791	no		CENTRUM-mobile	M4-791-07	B5V01	268486.2187	1786351.913		MWH	no	duplicate result
MV571	SRSV11D03	8260B	Toluene	1	µg/L	U	1	Vapor	2/27/2006	20	Field Duplicate	M4-791	no		CENTRUM-mobile	M4-791-07	B5V01	268486.2187	1786351.913		MWH	no	duplicate result
MV571	SRSV11D03	8260B	trans-1,2-Dichloroethene	1	µg/L	U	1	Vapor	2/27/2006	20	Field Duplicate	M4-791	no		CENTRUM-mobile	M4-791-07	B5V01	268486.2187	1786351.913		MWH	no	duplicate result
MV571	SRSV11D03	8260B	Trichloroethene	1	µg/L	U	1	Vapor	2/27/2006	20	Field Duplicate	M4-791	no		CENTRUM-mobile	M4-791-07	B5V01	268486.2187	1786351.913		MWH	no	duplicate result
MV571	SRSV11D03	8260B	Trichlorofluoromethane	1	µg/L	U	1	Vapor	2/27/2006	20	Field Duplicate	M4-791	no		CENTRUM-mobile	M4-791-07	B5V01	268486.2187	1786351.913		MWH	no	duplicate result
MV571	SRSV11D03	8260B	Vinyl chloride	2	µg/L	U	2	Vapor	2/27/2006	20	Field Duplicate	M4-791	no		CENTRUM-mobile	M4-791-07	B5V01	268486.2187	1786351.913		MWH	no	duplicate result
MV568	SRSV11S01	8260B	1,1,1,2-Tetrachloroethane	1	µg/L	U	1	Vapor	2/27/2006	5	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-04	B5V01	268486.2187	1786351.913		MWH	yes	
MV568	SRSV11S01	8260B	1,1,1-Trichloroethane	1	µg/L	U	1	Vapor	2/27/2006	5	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-04	B5V01	268486.2187	1786351.913		MWH	yes	
MV568	SRSV11S01	8260B	1,1,2,2-Tetrachloroethane	2	µg/L	U	2	Vapor	2/27/2006	5	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-04	B5V01	268486.2187	1786351.913		MWH	yes	
MV568	SRSV11S01	8260B	1,1,2-Trichloroethane	1	µg/L	U	1	Vapor	2/27/2006	5	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-04	B5V01	268486.2187	1786351.913		MWH	yes	
MV568	SRSV11S01	8260B	1,1,2-Trichlorotrifluoroethane	5	µg/L	U	5	Vapor	2/27/2006	5	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-04	B5V01	268486.2187	1786351.913		MWH	yes	
MV568	SRSV11S01	8260B	1,1-Dichloroethane	1	µg/L	U	1	Vapor	2/27/2006	5	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-04	B5V01	268486.2187	1786351.913		MWH	yes	
MV568	SRSV11S01	8260B	1,1-Dichloroethene	1	µg/L	U	1	Vapor	2/27/2006	5	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-04	B5V01	268486.2187	1786351.913		MWH	yes	
MV568	SRSV11S01	8260B	1,2-Dichloroethane	1	µg/L	U	1	Vapor	2/27/2006	5	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-04	B5V01	268486.2187	1786351.913		MWH	yes	
MV568	SRSV11S01	8260B	Benzene	1	µg/L	U	1	Vapor	2/27/2006	5	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-04	B5V01	268486.2187	1786351.913		MWH	yes	
MV568	SRSV11S01	8260B	Carbon tetrachloride	1	µg/L	U	1	Vapor	2/27/2006	5	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-04	B5V01	268486.2187	1786351.913		MWH	yes	
MV568	SRSV11S01	8260B	Chloroethane	1	µg/L	U	1	Vapor	2/27/2006	5	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-04	B5V01	268486.2187	1786351.913		MWH	yes	
MV568	SRSV11S01	8260B	Chloroform	1	µg/L	U	1	Vapor	2/27/2006	5	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-04	B5V01	268486.2187	1786351.913		MWH	yes	
MV568	SRSV11S01	8260B	cis-1,2-Dichloroethene	1	µg/L	U	1	Vapor	2/27/2006	5	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-04	B5V01	268486.2187	1786351.913		MWH	yes	
MV568	SRSV11S01	8260B	Dichlorodifluoromethane	1	µg/L	U	1	Vapor	2/27/2006	5	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-04	B5V01	268486.2187	1786351.913		MWH	yes	
MV568	SRSV11S01	8260B	Ethylbenzene	1	µg/L	U	1	Vapor	2/27/2006	5	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-04	B5V01	268486.2187	1786351.913		MWH	yes	
MV568	SRSV11S01	8260B	m,p-Xylene	2	µg/L	U	2	Vapor	2/27/2006	5	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-04	B5V01	268486.2187	1786351.913		MWH	yes	
MV568	SRSV11S01	8260B	Methylene chloride	50	µg/L	U	50	Vapor	2/27/2006	5	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-04	B5V01	268486.2187	1786351.913		MWH	yes	
MV568	SRSV11S01	8260B	o-Xylene	1	µg/L	U	1	Vapor	2/27/2006	5	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-04	B5V01	268486.2187	1786351.913		MWH	yes	
MV568	SRSV11S01	8260B	Tetrachloroethene	1	µg/L	U	1	Vapor	2/27/2006	5	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-04	B5V01	268486.2187	1786351.913		MWH	yes	
MV568	SRSV11S01	8260B	Toluene	1	µg/L	U	1	Vapor	2/27/2006	5	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-04	B5V01	268486.2187	1786351.913		MWH	yes	
MV568	SRSV11S01	8260B	trans-1,2-Dichloroethene	1	µg/L	U	1	Vapor	2/27/2006	5	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-04	B5V01	268486.2187	1786351.913		MWH	yes	
MV568	SRSV11S01	8260B	Trichloroethene	1	µg/L	U	1	Vapor	2/27/2006	5	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-04	B5V01	268486.2187	1786351.913		MWH	yes	
MV568	SRSV11S01	8260B	Trichlorofluoromethane	1	µg/L	U	1	Vapor	2/27/2006	5	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-04	B5V01	268486.2187	1786351.913		MWH	yes	
MV568	SRSV11S01	8260B	Vinyl chloride	2	µg/L	U	2	Vapor	2/27/2006	5	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-04	B5V01	268486.2187	1786351.913		MWH	yes	
MV569	SRSV11S02	8260B	1,1,1,2-Tetrachloroethane	1	µg/L	U	1	Vapor	2/27/2006	13	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-05	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV569	SRSV11S02	8260B	1,1,1-Trichloroethane	1	µg/L	U	1	Vapor	2/27/2006	13	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-05	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV569	SRSV11S02	8260B	1,1,2,2-Tetrachloroethane	2	µg/L	U	2	Vapor	2/27/2006	13	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-05	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV569	SRSV11S02	8260B	1,1,2-Trichloroethane	1	µg/L	U	1	Vapor	2/27/2006	13	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-05	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV569	SRSV11S02	8260B	1,1,2-Trichlorotrifluoroethane	5	µg/L	U	5	Vapor	2/27/2006	13	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-05	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV569	SRSV11S02	8260B	1,1-Dichloroethane	1	µg/L	U	1	Vapor	2/27/2006	13	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-05	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV569	SRSV11S02	8260B	1,1-Dichloroethene	1	µg/L	U	1	Vapor	2/27/2006	13	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-05	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV569	SRSV11S02	8260B	1,2-Dichloroethane	1	µg/L	U	1	Vapor	2/27/2006	13	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-05	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV569	SRSV11S02	8260B	Benzene	1	µg/L	U	1	Vapor	2/27/2006	13	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-05	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV569	SRSV11S02	8260B	Carbon tetrachloride	1	µg/L	U	1	Vapor	2/27/2006	13	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-05	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV569	SRSV11S02	8260B	Chloroethane	1	µg/L	U	1	Vapor	2/27/2006	13	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-05	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV569	SRSV11S02	8260B	Chloroform	1	µg/L	U	1	Vapor	2/27/2006	13	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-05	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV569	SRSV11S02	8260B	cis-1,2-Dichloroethene	1	µg/L	U	1	Vapor	2/27/2006	13	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-05	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV569	SRSV11S02	8260B	Dichlorodifluoromethane	1	µg/L	U	1	Vapor	2/27/2006	13	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-05	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV569	SRSV11S02	8260B	Ethylbenzene	1	µg/L	U	1	Vapor	2/27/2006	13	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-05	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV569	SRSV11S02	8260B	m,p-Xylene	2	µg/L	U	2	Vapor	2/27/2006	13	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-05	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV569	SRSV11S02	8260B	Methylene chloride	50	µg/L	U	50	Vapor	2/27/2006	13	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-05	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV569	SRSV11S02	8260B	o-Xylene	1	µg/L	U	1	Vapor	2/27/2006	13	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-05	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV569	SRSV11S02	8260B	Tetrachloroethene	1	µg/L	U	1	Vapor	2/27/2006	13	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-05	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV569	SRSV11S02	8260B	Toluene	1	µg/L	U	1	Vapor	2/27/2006	13	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-05	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV569	SRSV11S02	8260B	trans-1,2-Dichloroethene	1	µg/L	U	1	Vapor	2/27/2006	13	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-05	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV569	SRSV11S02	8260B	Trichloroethene	1	µg/L	U	1	Vapor	2/27/2006	13	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-05	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV569	SRSV11S02	8260B	Trichlorofluoromethane	1	µg/L	U	1	Vapor	2/27/2006	13	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-05	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV569	SRSV11S02	8260B	Vinyl chloride	2	µg/L	U	2	Vapor	2/27/2006	13	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-05	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV570	SRSV11S03	8260B	1,1,1,2-Tetrachloroethane	1	µg/L	U	1	Vapor	2/27/2006	20	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-06	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV570	SRSV11S03	8260B	1,1,1-Trichloroethane	1	µg/L	U	1	Vapor	2/27/2006	20	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-06	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV570	SRSV11S03	8260B	1,1,2,2-Tetrachloroethane	2	µg/L	U	2	Vapor	2/27/2006	20	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-06	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV570	SRSV11S03	8260B	1,1,2-Trichloroethane	1	µg/L	U	1	Vapor	2/27/2006	20	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-06	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV570	SRSV11S03	8260B	1,1,2-Trichlorotrifluoroethane	5	µg/L	U	5	Vapor	2/27/2006	20	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-06	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV570	SRSV11S03	8260B	1,1-Dichloroethane	1	µg/L	U	1	Vapor	2/27/2006	20	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-06	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV570	SRSV11S03	8260B	1,1-Dichloroethene	1	µg/L	U	1	Vapor	2/27/2006	20	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-06	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV570	SRSV11S03	8260B	1,2-Dichloroethane	1	µg/L	U	1	Vapor	2/27/2006	20	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-06	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV570	SRSV11S03	8260B	Benzene	1	µg/L	U	1	Vapor	2/27/2006	20	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-06	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV570	SRSV11S03	8260B	Carbon tetrachloride	1	µg/L	U	1	Vapor	2/27/2006	20	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-06	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV570	SRSV11S03	8260B	Chloroethane	1	µg/L	U	1	Vapor	2/27/2006	20	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-06	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV570	SRSV11S03	8260B	Chloroform	1	µg/L	U	1	Vapor	2/27/2006	20	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-06	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV570	SRSV11S03	8260B	cis-1,2-Dichloroethene	1	µg/L	U	1	Vapor	2/27/2006	20	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-06	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV570	SRSV11S03	8260B	Dichlorodifluoromethane	1	µg/L	U	1	Vapor	2/27/2006	20	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-06	B5V01	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
MV570	SRSV11S03	8260B	Ethylbenzene	1	µg/L	U	1	Vapor	2/27/2006	20	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-06	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV570	SRSV11S03	8260B	m,p-Xylene	2	µg/L	U	2	Vapor	2/27/2006	20	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-06	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV570	SRSV11S03	8260B	Methylene chloride	50	µg/L	U	50	Vapor	2/27/2006	20	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-06	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV570	SRSV11S03	8260B	o-Xylene	1	µg/L	U	1	Vapor	2/27/2006	20	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-06	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV570	SRSV11S03	8260B	Tetrachloroethene	1	µg/L	U	1	Vapor	2/27/2006	20	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-06	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV570	SRSV11S03	8260B	Toluene	1	µg/L	U	1	Vapor	2/27/2006	20	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-06	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV570	SRSV11S03	8260B	trans-1,2-Dichloroethene	1	µg/L	U	1	Vapor	2/27/2006	20	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-06	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV570	SRSV11S03	8260B	Trichloroethene	1	µg/L	U	1	Vapor	2/27/2006	20	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-06	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV570	SRSV11S03	8260B	Trichlorofluoromethane	1	µg/L	U	1	Vapor	2/27/2006	20	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-06	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV570	SRSV11S03	8260B	Vinyl chloride	2	µg/L	U	2	Vapor	2/27/2006	20	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-06	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV572	SRSV11S04	8260B	1,1,1,2-Tetrachloroethane	1	µg/L	U	1	Vapor	2/27/2006	27	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-08	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV572	SRSV11S04	8260B	1,1,1-Trichloroethane	1	µg/L	U	1	Vapor	2/27/2006	27	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-08	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV572	SRSV11S04	8260B	1,1,2,2-Tetrachloroethane	2	µg/L	U	2	Vapor	2/27/2006	27	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-08	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV572	SRSV11S04	8260B	1,1,2-Trichloroethane	1	µg/L	U	1	Vapor	2/27/2006	27	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-08	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV572	SRSV11S04	8260B	1,1,2-Trichlorotrifluoroethane	5	µg/L	U	5	Vapor	2/27/2006	27	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-08	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV572	SRSV11S04	8260B	1,1-Dichloroethane	1	µg/L	U	1	Vapor	2/27/2006	27	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-08	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV572	SRSV11S04	8260B	1,1-Dichloroethene	1	µg/L	U	1	Vapor	2/27/2006	27	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-08	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV572	SRSV11S04	8260B	1,2-Dichloroethane	1	µg/L	U	1	Vapor	2/27/2006	27	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-08	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV572	SRSV11S04	8260B	Benzene	1	µg/L	U	1	Vapor	2/27/2006	27	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-08	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV572	SRSV11S04	8260B	Carbon tetrachloride	1	µg/L	U	1	Vapor	2/27/2006	27	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-08	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV572	SRSV11S04	8260B	Chloroethane	1	µg/L	U	1	Vapor	2/27/2006	27	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-08	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV572	SRSV11S04	8260B	Chloroform	1	µg/L	U	1	Vapor	2/27/2006	27	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-08	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV572	SRSV11S04	8260B	cis-1,2-Dichloroethene	1	µg/L	U	1	Vapor	2/27/2006	27	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-08	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV572	SRSV11S04	8260B	Dichlorodifluoromethane	1	µg/L	U	1	Vapor	2/27/2006	27	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-08	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV572	SRSV11S04	8260B	Ethylbenzene	1	µg/L	U	1	Vapor	2/27/2006	27	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-08	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV572	SRSV11S04	8260B	m,p-Xylene	2	µg/L	U	2	Vapor	2/27/2006	27	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-08	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV572	SRSV11S04	8260B	Methylene chloride	50	µg/L	U	50	Vapor	2/27/2006	27	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-08	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV572	SRSV11S04	8260B	o-Xylene	1	µg/L	U	1	Vapor	2/27/2006	27	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-08	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV572	SRSV11S04	8260B	Tetrachloroethene	1	µg/L	U	1	Vapor	2/27/2006	27	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-08	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV572	SRSV11S04	8260B	Toluene	1	µg/L	U	1	Vapor	2/27/2006	27	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-08	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV572	SRSV11S04	8260B	trans-1,2-Dichloroethene	1	µg/L	U	1	Vapor	2/27/2006	27	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-08	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV572	SRSV11S04	8260B	Trichloroethene	1	µg/L	U	1	Vapor	2/27/2006	27	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-08	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV572	SRSV11S04	8260B	Trichlorofluoromethane	1	µg/L	U	1	Vapor	2/27/2006	27	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-08	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
MV572	SRSV11S04	8260B	Vinyl chloride	2	µg/L	U	2	Vapor	2/27/2006	27	Primary Sample	M4-791	no		CENTRUM-mobile	M4-791-08	B5VO1	268486.2187	1786351.913		MWH	no	greater than 10 feet bgs
RJ627	SRTS01S01	8082	Aroclor 1016	35	µg/kg	U	35	Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700PP10	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	8082	Aroclor 1221	70	µg/kg	U	70	Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700PP10	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	8082	Aroclor 1232	35	µg/kg	U	35	Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700PP10	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	8082	Aroclor 1242	35	µg/kg	U	35	Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700PP10	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	8082	Aroclor 1248	35	µg/kg	U	35	Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700PP10	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	8082	Aroclor 1254	35	µg/kg	U	35	Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700PP10	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	8082	Aroclor 1260	35	µg/kg	U	35	Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700PP10	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	6010B	Aluminum	11200	mg/kg			Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700MT13	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	6010B	Antimony	0.3	mg/kg	J		Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700MT13	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	6010B	Arsenic	2.2	mg/kg			Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700MT13	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	6010B	Barium	45.9	mg/kg			Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700MT13	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	6010B	Beryllium	0.38	mg/kg	J		Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700MT13	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	6010B	Boron	4.6	mg/kg	U	4.6	Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700MT13	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	6010B	Cadmium	0.18	mg/kg	U	0.18	Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700MT13	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	6010B	Calcium	996	mg/kg			Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700MT13	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	6010B	Chromium	8.4	mg/kg			Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700MT13	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	6010B	Cobalt	5	mg/kg			Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700MT13	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	6010B	Copper	5.7	mg/kg			Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700MT13	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	6010B	Iron	13400	mg/kg			Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700MT13	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	6010B	Lead	3.7	mg/kg			Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700MT13	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	6010B	Magnesium	2630	mg/kg			Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700MT13	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	6010B	Manganese	144	mg/kg			Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700MT13	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	6010B	Molybdenum	10	mg/kg	UJ	10	Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700MT13	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	6010B	Nickel	5.2	mg/kg			Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700MT13	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	6010B	Potassium	1720	mg/kg			Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700MT13	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	6010B	Selenium	0.37	mg/kg	U	0.37	Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700MT13	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	6010B	Silver	4.5	mg/kg	UJ	4.5	Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700MT13	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	6010B	Sodium	90	mg/kg			Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700MT13	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	6010B	Thallium	0.24	mg/kg	UJ	0.24	Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700MT13	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	6010B	Vanadium	20	mg/kg			Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700MT13	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	6010B	Zinc	39.1	mg/kg			Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700MT13	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	7471A	Mercury	0.01	mg/kg	U	0.01	Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700MT13	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	8015M	C08-C11 (Gasoline Range)	4	mg/kg	U	4	Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700TF10	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	8015M	C11-C14 (Kerosene Range)	4	mg/kg	U	4	Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700TF10	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	8015M	C14-C20 (Diesel Range)	4	mg/kg	U	4	Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700TF10	268405.9063	1786495.625		OGDEN	yes	
RJ627	SRTS01S01	8015M	C20-C30 (Lubricant Oil Range)	4	mg/kg	U	4	Soil	9/27/2000	1	Primary Sample	RJ048	no		CEIMIC	200729-18	T700TF10	268405.9063	1786495.625		OGDEN	yes	
RJ789	SRTS02D01	9045	pH	6.31	pH units	J		Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700WC22	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	6010B	Aluminum	9690	mg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700MT24	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	6010B	Arsenic	2.2	mg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700MT24	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	6010B	Barium	130	mg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700MT24	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	6010B	Beryllium	0.38	mg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700MT24	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	6010B	Boron	4.1	mg/kg	U	4.1	Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700MT24	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	6010B	Cadmium	0.03	mg/kg	U	0.03	Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700MT24	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	6010B	Calcium	646	mg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700MT24	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	6010B	Chromium	6.8	mg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700MT24	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	6010B	Cobalt	4.5	mg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700MT24	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	6010B	Copper	16.3	mg/kg	J		Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700MT24	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	6010B	Iron	9950	mg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700MT24	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	6010B	Lead	11.1	mg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700MT24	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	6010B	Magnesium	3700	mg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700MT24	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	6010B	Manganese	274	mg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700MT24	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	6010B	Molybdenum	10	mg/kg	UJ	10	Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700MT24	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	6010B	Nickel	3.5	mg/kg	UJ	3.5	Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700MT24	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	6010B	Potassium	3890	mg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700MT24	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	6010B	Silver	4.6	mg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700MT24	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	6010B	Sodium	145	mg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700MT24	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	6010B	Thallium	1.4	mg/kg	J		Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700MT24	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	6010B	Vanadium	18.6	mg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700MT24	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	6010B	Zinc	52.1	mg/kg	J		Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700MT24	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	7471A	Mercury	0.47	mg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700MT24	268441.5313	1786504.25		OGDEN	no	duplicate result

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
RJ789	SRTS02D01	8015M	C08-C11 (Gasoline Range)	4	mg/kg	U	4	Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700TF18	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	8015M	C11-C14 (Kerosene Range)	4	mg/kg	U	4	Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700TF18	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	8015M	C14-C20 (Diesel Range)	14	mg/kg	J	4	Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700TF18	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	8015M	C20-C30 (Lubricant Oil Range)	140	mg/kg	J	4	Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700TF18	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	8270C SIM	2-Methylnaphthalene	22	µg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700PA12	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	8270C SIM	Acenaphthene	160	µg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700PA12	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	8270C SIM	Acenaphthylene	17	µg/kg	U	17	Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700PA12	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	8270C SIM	Anthracene	17	µg/kg	U	17	Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700PA12	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789DL	SRTS02D01	8270C SIM	Benzo(a)anthracene	2700	µg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17DL	T700PA12	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789DL	SRTS02D01	8270C SIM	Benzo(a)pyrene	2800	µg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17DL	T700PA12	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789DL	SRTS02D01	8270C SIM	Benzo(b)fluoranthene	2600	µg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17DL	T700PA12	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	8270C SIM	Benzo(g,h,i)perylene	260	µg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700PA12	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789DL	SRTS02D01	8270C SIM	Benzo(k)fluoranthene	3000	µg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17DL	T700PA12	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	8270C SIM	Chrysene	17	µg/kg	UJ	17	Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700PA12	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	8270C SIM	Dibenzo(a,h)anthracene	180	µg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700PA12	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789DL	SRTS02D01	8270C SIM	Fluoranthene	5200	µg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17DL	T700PA12	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	8270C SIM	Fluorene	160	µg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700PA12	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789DL	SRTS02D01	8270C SIM	Indeno(1,2,3-cd)pyrene	1200	µg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17DL	T700PA12	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789	SRTS02D01	8270C SIM	Naphthalene	53	µg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17	T700PA12	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789DL	SRTS02D01	8270C SIM	Phenanthrene	2900	µg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17DL	T700PA12	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ789DL	SRTS02D01	8270C SIM	Pyrene	4100	µg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-17DL	T700PA12	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	9045	pH	5.06	pH units	J		Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700WC22	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	6010B	Aluminum	11200	mg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700MT24	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	6010B	Arsenic	2.4	mg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700MT24	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	6010B	Barium	96.8	mg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700MT24	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	6010B	Beryllium	0.44	mg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700MT24	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	6010B	Boron	3.5	mg/kg	U	3.5	Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700MT24	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	6010B	Cadmium	0.14	mg/kg	U	0.14	Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700MT24	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	6010B	Calcium	1730	mg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700MT24	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	6010B	Chromium	11.9	mg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700MT24	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	6010B	Cobalt	5.9	mg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700MT24	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	6010B	Copper	19	mg/kg	J		Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700MT24	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	6010B	Iron	15700	mg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700MT24	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	6010B	Lead	14	mg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700MT24	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	6010B	Magnesium	4240	mg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700MT24	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	6010B	Manganese	189	mg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700MT24	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	6010B	Molybdenum	10	mg/kg	UJ	10	Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700MT24	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	6010B	Nickel	5.5	mg/kg	UJ	5.5	Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700MT24	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	6010B	Potassium	3120	mg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700MT24	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	6010B	Silver	6.5	mg/kg	J		Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700MT24	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	6010B	Sodium	106	mg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700MT24	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	6010B	Thallium	1.5	mg/kg	J		Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700MT24	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	6010B	Vanadium	29.6	mg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700MT24	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	6010B	Zinc	50.7	mg/kg	J		Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700MT24	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	7471A	Mercury	2.7	mg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700MT24	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	8015M	C08-C11 (Gasoline Range)	17	mg/kg	U	17	Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700TF18	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	8015M	C11-C14 (Kerosene Range)	17	mg/kg	U	17	Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700TF18	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	8015M	C14-C20 (Diesel Range)	16	mg/kg	J	17	Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700TF18	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	8015M	C20-C30 (Lubricant Oil Range)	270	mg/kg	J	17	Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700TF18	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	8270C SIM	2-Methylnaphthalene	21	µg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700PA12	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	8270C SIM	Acenaphthene	160	µg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700PA12	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	8270C SIM	Acenaphthylene	17	µg/kg	U	17	Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700PA12	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	8270C SIM	Anthracene	17	µg/kg	U	17	Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700PA12	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791DL	SRTS02D02	8270C SIM	Benzo(a)anthracene	3000	µg/kg	J		Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19DL	T700PA12	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791DL	SRTS02D02	8270C SIM	Benzo(a)pyrene	3000	µg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19DL	T700PA12	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791DL	SRTS02D02	8270C SIM	Benzo(b)fluoranthene	3000	µg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19DL	T700PA12	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	8270C SIM	Benzo(g,h,i)perylene	240	µg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700PA12	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791DL	SRTS02D02	8270C SIM	Benzo(k)fluoranthene	2900	µg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19DL	T700PA12	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	8270C SIM	Chrysene	17	µg/kg	UJ	17	Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700PA12	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	8270C SIM	Dibenzo(a,h)anthracene	200	µg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700PA12	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791DL	SRTS02D02	8270C SIM	Fluoranthene	5500	µg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19DL	T700PA12	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	8270C SIM	Fluorene	170	µg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700PA12	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791DL	SRTS02D02	8270C SIM	Indeno(1,2,3-cd)pyrene	1300	µg/kg	J		Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19DL	T700PA12	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791	SRTS02D02	8270C SIM	Naphthalene	50	µg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19	T700PA12	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791DL	SRTS02D02	8270C SIM	Phenanthrene	2900	µg/kg			Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19DL	T700PA12	268479.4688	1786514.25		OGDEN	no	duplicate result
RJ791DL	SRTS02D02	8270C SIM	Pyrene	4400	µg/kg	J		Soil	11/2/2000	4	Field Duplicate	RJ772	no		CEIMIC	200794-19DL	T700PA12	268479.4688	1786514.25		OGDEN	no	duplicate result
RZ788	SRTS02S01	7471	Mercury	1.4	mg/kg		0.1	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500MT18	268441.5313	1786504.25		OGDEN	no	duplicate result
RZ788	SRTS02S01	8270	1,2,4-Trichlorobenzene	33	µg/kg	U	33	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	1,2-Dichlorobenzene	33	µg/kg	U	33	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	1,3-Dichlorobenzene	33	µg/kg	U	33	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	1,4-Dichlorobenzene	33	µg/kg	U	33	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	2,4,5-Trichlorophenol	200	µg/kg	U	200	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	2,4,6-Trichlorophenol	330	µg/kg	U	330	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	2,4-Dichlorophenol	160	µg/kg	U	160	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	2,4-Dimethylphenol	99	µg/kg	U	99	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	2,4-Dinitrophenol	1600	µg/kg	U	1600	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	2,4-Dinitrotoluene	33	µg/kg	U	33	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	2,6-Dinitrotoluene	99	µg/kg	U	99	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	2-Chloronaphthalene	33	µg/kg	U	33	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	2-Chlorophenol	130	µg/kg	U	130	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	2-Methylnaphthalene	40	µg/kg		33	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	no	duplicate result
RZ788	SRTS02S01	8270	2-Methylphenol	160	µg/kg	U	160	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	2-Nitroaniline	99	µg/kg	U	99	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	2-Nitrophenol	130	µg/kg	U	130	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	3,3'-Dichlorobenzidine	130	µg/kg	U	130	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	3-Nitroaniline	99	µg/kg	U	99	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	4,6-Dinitro-2-methylphenol	330	µg/kg	U	330	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	4-Bromophenyl phenyl ether	33	µg/kg	U	33	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	4-Chloro-3-methylphenol	160	µg/kg	U	160	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	4-Chloroaniline	160	µg/kg	U	160	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	4-Chlorophenyl phenyl ether	33	µg/kg	U	33	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	4-Methylphenol	160	µg/kg	U	160	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	4-Nitroaniline	330	µg/kg	U	330	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	4-Nitrophenol	330	µg/kg	U	330	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
RZ788	SRTS02S01	8270	Acenaphthene	530	µg/kg		33	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	no	duplicate result
RZ788	SRTS02S01	8270	Acenaphthylene	33	µg/kg	U	33	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	no	duplicate result
RZ788	SRTS02S01	8270	Anthracene	1800	µg/kg		33	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	no	duplicate result
RZ788	SRTS02S01	8270	Benzo(a)anthracene	8000	µg/kg		66	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	no	duplicate result
RZ788	SRTS02S01	8270	Benzo(a)pyrene	5700	µg/kg		66	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	no	duplicate result
RZ788	SRTS02S01	8270	Benzo(b)fluoranthene	16000	µg/kg		33	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	no	duplicate result
RZ788	SRTS02S01	8270	Benzo(g,h,i)perylene	3100	µg/kg		99	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	no	duplicate result
RZ788	SRTS02S01	8270	Benzo(k)fluoranthene	13000	µg/kg		99	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	no	duplicate result
RZ788	SRTS02S01	8270	Benzyl alcohol	130	µg/kg	U	130	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	bis(2-Chloroethoxy)methane	66	µg/kg	U	66	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	bis(2-Chloroethyl)ether	66	µg/kg	U	66	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	bis(2-Chloroisopropyl) ether	99	µg/kg	U	99	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	bis(2-Ethylhexyl)phthalate	330	µg/kg	U	330	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	Butylbenzylphthalate	33	µg/kg	U	33	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	Chrysene	5300	µg/kg		33	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	no	duplicate result
RZ788	SRTS02S01	8270	Dibenzo(a,h)anthracene	3900	µg/kg		99	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	no	duplicate result
RZ788	SRTS02S01	8270	Dibenzofuran	280	µg/kg		33	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	Diethylphthalate	330	µg/kg	U	330	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	Dimethyl phthalate	33	µg/kg	U	33	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	Di-n-butyl phthalate	330	µg/kg	U	330	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	Di-n-octyl phthalate	33	µg/kg	U	33	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	Fluoranthene	12000	µg/kg		33	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	no	duplicate result
RZ788	SRTS02S01	8270	Fluorene	470	µg/kg		33	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	no	duplicate result
RZ788	SRTS02S01	8270	Hexachlorobenzene	33	µg/kg	U	33	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	Hexachlorobutadiene	33	µg/kg	U	33	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	Hexachlorocyclopentadiene	1600	µg/kg	U	1600	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	Hexachloroethane	33	µg/kg	U	33	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	Indeno(1,2,3-cd)pyrene	3100	µg/kg		130	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	no	duplicate result
RZ788	SRTS02S01	8270	Isophorone	33	µg/kg	U	33	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	Naphthalene	140	µg/kg		33	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	no	duplicate result
RZ788	SRTS02S01	8270	Nitrobenzene	99	µg/kg	U	99	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	N-nitrosodi-n-propylamine	33	µg/kg	U	33	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	N-nitrosodiphenylamine	33	µg/kg	U	33	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	Pentachlorophenol	1600	µg/kg	U	1600	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	Phenanthrene	5300	µg/kg		66	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	no	duplicate result
RZ788	SRTS02S01	8270	Phenol	130	µg/kg	U	130	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8270	Pyrene	12000	µg/kg		33	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500SV6	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ788	SRTS02S01	9045	pH	6.23	pH units	J		Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700WC22	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	9045	pH	6.3	pH units	J		Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500WC19	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ788	SRTS02S01	6010B	Aluminum	9720	mg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700MT24	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	6010B	Aluminum	8700	mg/kg		10	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500MT18	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ788	SRTS02S01	6010B	Antimony	2	mg/kg	U	2	Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700MT24	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	6010B	Antimony	2	mg/kg	U	2	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500MT18	268441.5313	1786504.25		OGDEN	yes	
RJ788	SRTS02S01	6010B	Arsenic	2.8	mg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700MT24	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	6010B	Arsenic	4.2	mg/kg		1	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500MT18	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ788	SRTS02S01	6010B	Barium	97.3	mg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700MT24	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	6010B	Barium	100	mg/kg		0.5	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500MT18	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ788	SRTS02S01	6010B	Beryllium	0.46	mg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700MT24	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	6010B	Beryllium	0.5	mg/kg	U	0.5	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500MT18	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ788	SRTS02S01	6010B	Boron	3.7	mg/kg	U	3.7	Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700MT24	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	6010B	Boron	10	mg/kg	U	10	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500MT18	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ788	SRTS02S01	6010B	Cadmium	0.03	mg/kg	U	0.03	Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700MT24	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	6010B	Cadmium	0.84	mg/kg		0.5	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500MT18	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ788	SRTS02S01	6010B	Calcium	694	mg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700MT24	268441.5313	1786504.25		OGDEN	yes	
RJ788	SRTS02S01	6010B	Chromium	7.4	mg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700MT24	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	6010B	Chromium	14	mg/kg		0.5	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500MT18	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ788	SRTS02S01	6010B	Cobalt	4.4	mg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700MT24	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	6010B	Cobalt	6.5	mg/kg		0.5	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500MT18	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ788	SRTS02S01	6010B	Copper	16	mg/kg	J		Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700MT24	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	6010B	Copper	13	mg/kg		0.5	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500MT18	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ788	SRTS02S01	6010B	Iron	10300	mg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700MT24	268441.5313	1786504.25		OGDEN	yes	
RJ788	SRTS02S01	6010B	Lead	13.1	mg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700MT24	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	6010B	Lead	9.8	mg/kg		1	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500MT18	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ788	SRTS02S01	6010B	Magnesium	2910	mg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700MT24	268441.5313	1786504.25		OGDEN	yes	
RJ788	SRTS02S01	6010B	Manganese	526	mg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700MT24	268441.5313	1786504.25		OGDEN	yes	
RJ788	SRTS02S01	6010B	Molybdenum	10	mg/kg	UJ	10	Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700MT24	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	6010B	Molybdenum	1.2	mg/kg		1	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500MT18	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ788	SRTS02S01	6010B	Nickel	4.9	mg/kg	UJ	4.9	Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700MT24	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	6010B	Nickel	8.9	mg/kg		1	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500MT18	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ788	SRTS02S01	6010B	Potassium	2830	mg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700MT24	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	6010B	Selenium	5	mg/kg	U	5	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500MT18	268441.5313	1786504.25		OGDEN	yes	
RJ788	SRTS02S01	6010B	Silver	4.6	mg/kg	J		Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700MT24	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	6010B	Silver	2	mg/kg	U	2	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500MT18	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ788	SRTS02S01	6010B	Sodium	122	mg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700MT24	268441.5313	1786504.25		OGDEN	yes	
RJ788	SRTS02S01	6010B	Thallium	2	mg/kg	J		Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700MT24	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	6010B	Thallium	5	mg/kg	U	5	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500MT18	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ788	SRTS02S01	6010B	Vanadium	16.9	mg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700MT24	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	6010B	Vanadium	25	mg/kg		0.5	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500MT18	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ788	SRTS02S01	6010B	Zinc	57.8	mg/kg	J		Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700MT24	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	6010B	Zinc	76	mg/kg		10	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500MT18	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ788	SRTS02S01	7471A	Mercury	0.34	mg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700MT24	268441.5313	1786504.25		OGDEN	yes	
RJ788	SRTS02S01	8015M	C08-C11 (Gasoline Range)	3	mg/kg	U	3	Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700TF18	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8015M	C08-C11 (Gasoline Range)	10	mg/kg		10	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500TF12	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ788	SRTS02S01	8015M	C11-C14 (Kerosene Range)	3	mg/kg	U	3	Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700TF18	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8015M	C12-C22 (Kerosene, Diesel Ranges)	78	mg/kg		10	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500TF12	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ788	SRTS02S01	8015M	C14-C20 (Diesel Range)	14	mg/kg	J	3	Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700TF18	268441.5313	1786504.25		OGDEN	yes	
RJ788	SRTS02S01	8015M	C20-C30 (Lubricant Oil Range)	130	mg/kg	J	3	Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700TF18	268441.5313	1786504.25		OGDEN	yes	
RZ788	SRTS02S01	8015M	C22-C30 (Lubricant Oil Range)	75	mg/kg		10	Soil	11/2/2000	4	Sample Split	17392	no		CENTRUM	17392-02	T500TF12	268441.5313	1786504.25		OGDEN	no	duplicate result
RJ788	SRTS02S01	8270C SIM	2-Methylnaphthalene	25	µg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700PA12	268441.5313	1786504.25		OGDEN	yes	
RJ788	SRTS02S01	8270C SIM	Acenaphthene	200	µg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700PA12	268441.5313	1786504.25		OGDEN	yes	
RJ788	SRTS02S01	8270C SIM	Acenaphthylene	18	µg/kg	U	18	Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700PA12	268441.5313	1786504.25		OGDEN	yes	
RJ788	SRTS02S01	8270C SIM	Anthracene	18	µg/kg	U	18	Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700PA12	268441.5313	1786504.25		OGDEN	yes	
RJ788DL	SRTS02S01	8270C SIM	Benzo(a)anthracene	3900	µg/kg	J		Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16DL	T700PA12	268441.5313	1786504.25		OGDEN	yes	
RJ788DL	SRTS02S01	8270C SIM	Benzo(a)pyrene	4200	µg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16DL	T700PA12	268441.5313	1786504.25		OGDEN	yes	
RJ788DL	SRTS02S01	8270C SIM	Benzo(b)fluoranthene	4100	µg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16DL	T700PA12	268441.5313	1786504.25		OGDEN	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
RJ788DL	SRTS02S01	8270C SIM	Benzo(g,h,i)perylene	950	µg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16DL	T700PA12	268441.5313	1786504.25		OGDEN	yes	
RJ788DL	SRTS02S01	8270C SIM	Benzo(k)fluoranthene	4000	µg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16DL	T700PA12	268441.5313	1786504.25		OGDEN	yes	
RJ788	SRTS02S01	8270C SIM	Chrysene	18	µg/kg	UJ	18	Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700PA12	268441.5313	1786504.25		OGDEN	no	Replaced by extrapolated data
RJ788	SRTS02S01	8270C SIM	Dibenzo(a,h)anthracene	310	µg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700PA12	268441.5313	1786504.25		OGDEN	yes	
RJ788DL	SRTS02S01	8270C SIM	Fluoranthene	7000	µg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16DL	T700PA12	268441.5313	1786504.25		OGDEN	yes	
RJ788	SRTS02S01	8270C SIM	Fluorene	210	µg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700PA12	268441.5313	1786504.25		OGDEN	yes	
RJ788DL	SRTS02S01	8270C SIM	Indeno(1,2,3-cd)pyrene	1700	µg/kg	J		Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16DL	T700PA12	268441.5313	1786504.25		OGDEN	yes	
RJ788	SRTS02S01	8270C SIM	Naphthalene	58	µg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16	T700PA12	268441.5313	1786504.25		OGDEN	yes	
RJ788DL	SRTS02S01	8270C SIM	Phenanthrene	3300	µg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16DL	T700PA12	268441.5313	1786504.25		OGDEN	yes	
RJ788DL	SRTS02S01	8270C SIM	Pyrene	5600	µg/kg	J		Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-16DL	T700PA12	268441.5313	1786504.25		OGDEN	yes	
RJ790	SRTS02S02	9045	pH	5.62	pH units	J		Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700WC22	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	6010B	Aluminum	11200	mg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700MT24	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	6010B	Arsenic	2.4	mg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700MT24	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	6010B	Barium	103	mg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700MT24	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	6010B	Beryllium	0.45	mg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700MT24	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	6010B	Boron	3.8	mg/kg	U	3.8	Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700MT24	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	6010B	Cadmium	0.29	mg/kg	U	0.29	Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700MT24	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	6010B	Calcium	2000	mg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700MT24	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	6010B	Chromium	19.8	mg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700MT24	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	6010B	Cobalt	7.4	mg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700MT24	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	6010B	Copper	31.1	mg/kg	J		Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700MT24	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	6010B	Iron	19000	mg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700MT24	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	6010B	Lead	25.4	mg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700MT24	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	6010B	Magnesium	4600	mg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700MT24	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	6010B	Manganese	204	mg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700MT24	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	6010B	Molybdenum	10	mg/kg	UJ	10	Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700MT24	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	6010B	Nickel	6.6	mg/kg	UJ	6.6	Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700MT24	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	6010B	Potassium	3280	mg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700MT24	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	6010B	Silver	11.4	mg/kg	J		Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700MT24	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	6010B	Sodium	84.2	mg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700MT24	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	6010B	Thallium	2.1	mg/kg	J		Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700MT24	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	6010B	Vanadium	33.7	mg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700MT24	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	6010B	Zinc	57.2	mg/kg	J		Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700MT24	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	7471A	Mercury	0.81	mg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700MT24	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	8015M	C08-C11 (Gasoline Range)	17	mg/kg	U	17	Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700TF18	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	8015M	C11-C14 (Kerosene Range)	17	mg/kg	U	17	Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700TF18	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	8015M	C14-C20 (Diesel Range)	18	mg/kg	J	17	Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700TF18	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	8015M	C20-C30 (Lubricant Oil Range)	340	mg/kg	J	17	Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700TF18	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	8270C SIM	2-Methylnaphthalene	350	µg/kg	U	350	Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700PA12	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	8270C SIM	Acenaphthene	900	µg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700PA12	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	8270C SIM	Acenaphthylene	350	µg/kg	U	350	Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700PA12	268479.4688	1786514.25		OGDEN	no	Replaced by extrapolated data
RJ790	SRTS02S02	8270C SIM	Anthracene	4000	µg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700PA12	268479.4688	1786514.25		OGDEN	yes	
RJ790DL	SRTS02S02	8270C SIM	Benzo(a)anthracene	14000	µg/kg	J		Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18DL	T700PA12	268479.4688	1786514.25		OGDEN	yes	
RJ790DL	SRTS02S02	8270C SIM	Benzo(a)pyrene	15000	µg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18DL	T700PA12	268479.4688	1786514.25		OGDEN	yes	
RJ790DL	SRTS02S02	8270C SIM	Benzo(b)fluoranthene	13000	µg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18DL	T700PA12	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	8270C SIM	Benzo(g,h,i)perylene	4700	µg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700PA12	268479.4688	1786514.25		OGDEN	yes	
RJ790DL	SRTS02S02	8270C SIM	Benzo(k)fluoranthene	15000	µg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18DL	T700PA12	268479.4688	1786514.25		OGDEN	yes	
RJ790DL	SRTS02S02	8270C SIM	Chrysene	13000	µg/kg	J		Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18DL	T700PA12	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	8270C SIM	Dibenzo(a,h)anthracene	2200	µg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700PA12	268479.4688	1786514.25		OGDEN	yes	
RJ790DL	SRTS02S02	8270C SIM	Fluoranthene	25000	µg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18DL	T700PA12	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	8270C SIM	Fluorene	920	µg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700PA12	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	8270C SIM	Indeno(1,2,3-cd)pyrene	6400	µg/kg	J		Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700PA12	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	8270C SIM	Naphthalene	350	µg/kg	U	350	Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700PA12	268479.4688	1786514.25		OGDEN	yes	
RJ790	SRTS02S02	8270C SIM	N-nitrosodimethylamine	350	µg/kg	U	350	Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18	T700PA12	268479.4688	1786514.25		OGDEN	yes	
RJ790DL	SRTS02S02	8270C SIM	Phenanthrene	11000	µg/kg			Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18DL	T700PA12	268479.4688	1786514.25		OGDEN	yes	
RJ790DL	SRTS02S02	8270C SIM	Pyrene	21000	µg/kg	J		Soil	11/2/2000	4	Primary Sample	RJ772	no		CEIMIC	200794-18DL	T700PA12	268479.4688	1786514.25		OGDEN	yes	
RJ251	SRTS06S01	6010B	Aluminum	12700	mg/kg	J		Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700MT46	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	6010B	Antimony	0.93	mg/kg			Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700MT46	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	6010B	Arsenic	3	mg/kg			Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700MT46	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	6010B	Barium	67.3	mg/kg			Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700MT46	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	6010B	Beryllium	0.6	mg/kg			Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700MT46	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	6010B	Boron	8.7	mg/kg			Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700MT46	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	6010B	Cadmium	0.03	mg/kg	U	0.03	Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700MT46	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	6010B	Calcium	1490	mg/kg			Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700MT46	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	6010B	Chromium	13.5	mg/kg			Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700MT46	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	6010B	Cobalt	5.5	mg/kg			Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700MT46	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	6010B	Copper	4.5	mg/kg			Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700MT46	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	6010B	Iron	16600	mg/kg			Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700MT46	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	6010B	Lead	5.4	mg/kg			Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700MT46	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	6010B	Magnesium	3380	mg/kg			Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700MT46	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	6010B	Manganese	183	mg/kg			Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700MT46	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	6010B	Molybdenum	0.68	mg/kg	U	0.68	Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700MT46	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	6010B	Nickel	7	mg/kg			Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700MT46	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	6010B	Potassium	2000	mg/kg			Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700MT46	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	6010B	Selenium	0.96	mg/kg			Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700MT46	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	6010B	Silver	0.47	mg/kg	U	0.47	Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700MT46	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	6010B	Sodium	200	mg/kg			Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700MT46	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	6010B	Thallium	2.1	mg/kg	J		Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700MT46	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	6010B	Vanadium	28.8	mg/kg			Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700MT46	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	6010B	Zinc	45	mg/kg			Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700MT46	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	7471A	Mercury	0.02	mg/kg	UJ	0.02	Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700MT46	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	8015M	C08-C11 (Gasoline Range)	4	mg/kg	U	4	Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700TF34	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	8015M	C11-C14 (Kerosene Range)	4	mg/kg	U	4	Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700TF34	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	8015M	C14-C20 (Diesel Range)	4	mg/kg	U	4	Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700TF34	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	8015M	C20-C30 (Lubricant Oil Range)	3.4	mg/kg	J	4	Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700TF34	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	8270C SIM	2-Methylnaphthalene	4	µg/kg	U	4	Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700PA31	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	8270C SIM	Acenaphthene	4	µg/kg	U	4	Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700PA31	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	8270C SIM	Acenaphthylene	4	µg/kg	U	4	Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700PA31	268448.1875	1786514.125		OGDEN	no	Replaced by extrapolated data
RJ251	SRTS06S01	8270C SIM	Anthracene	2	µg/kg	J		Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700PA31	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	8270C SIM	Benzo(a)anthracene	11	µg/kg			Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700PA31	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	8270C SIM	Benzo(a)pyrene	9	µg/kg			Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700PA31	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	8270C SIM	Benzo(b)fluoranthene	7	µg/kg			Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700PA31	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	8270C SIM	Benzo(g,h,i)perylene	6	µg/kg			Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700PA31	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	8270C SIM	Benzo(k)fluoranthene	7	µg/kg			Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700PA31	268448.1875	1786514.125		OGDEN	yes	

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
RJ251	SRTS06S01	8270C SIM	Chrysene	9	µg/kg			Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700PA31	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	8270C SIM	Dibenzo(a,h)anthracene	5	µg/kg			Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700PA31	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	8270C SIM	Fluoranthene	17	µg/kg			Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700PA31	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	8270C SIM	Fluorene	4	µg/kg	U	4	Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700PA31	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	8270C SIM	Indeno(1,2,3-cd)pyrene	8	µg/kg			Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700PA31	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	8270C SIM	Naphthalene	4	µg/kg	U	4	Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700PA31	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	8270C SIM	N-nitrosodimethylamine	4	µg/kg	U	4	Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700PA31	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	8270C SIM	Phenanthrene	8	µg/kg			Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700PA31	268448.1875	1786514.125		OGDEN	yes	
RJ251	SRTS06S01	8270C SIM	Pyrene	13	µg/kg			Soil	4/18/2001	9	Primary Sample	RJ249	no		CEIMIC	010340-03	T700PA31	268448.1875	1786514.125		OGDEN	yes	
RJ253	SRTS07S01	6010B	Aluminum	14300	mg/kg	J		Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700MT46	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	6010B	Antimony	0.81	mg/kg			Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700MT46	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	6010B	Arsenic	3.4	mg/kg			Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700MT46	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	6010B	Barium	88.3	mg/kg			Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700MT46	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	6010B	Beryllium	0.76	mg/kg			Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700MT46	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	6010B	Boron	8.8	mg/kg			Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700MT46	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	6010B	Cadmium	0.03	mg/kg	U	0.03	Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700MT46	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	6010B	Calcium	2320	mg/kg			Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700MT46	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	6010B	Chromium	17.6	mg/kg			Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700MT46	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	6010B	Cobalt	7.2	mg/kg			Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700MT46	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	6010B	Copper	4.6	mg/kg			Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700MT46	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	6010B	Iron	19200	mg/kg			Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700MT46	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	6010B	Lead	6	mg/kg			Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700MT46	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	6010B	Magnesium	4530	mg/kg			Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700MT46	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	6010B	Manganese	243	mg/kg			Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700MT46	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	6010B	Molybdenum	0.67	mg/kg			Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700MT46	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	6010B	Nickel	8.9	mg/kg			Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700MT46	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	6010B	Potassium	1850	mg/kg			Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700MT46	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	6010B	Selenium	0.67	mg/kg			Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700MT46	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	6010B	Silver	0.46	mg/kg	U	0.46	Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700MT46	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	6010B	Sodium	161	mg/kg			Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700MT46	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	6010B	Thallium	4	mg/kg	J		Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700MT46	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	6010B	Vanadium	38.6	mg/kg			Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700MT46	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	6010B	Zinc	44.2	mg/kg			Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700MT46	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	7471A	Mercury	0.02	mg/kg	U	0.02	Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700MT46	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	8015M	C08-C11 (Gasoline Range)	4	mg/kg	U	4	Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700TF34	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	8015M	C11-C14 (Kerosene Range)	4	mg/kg	U	4	Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700TF34	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	8015M	C14-C20 (Diesel Range)	4	mg/kg	U	4	Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700TF34	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	8015M	C20-C30 (Lubricant Oil Range)	4	mg/kg	U	4	Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700TF34	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	8270C SIM	2-Methylnaphthalene	4	µg/kg	U	4	Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700PA31	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	8270C SIM	Acenaphthene	3	µg/kg	J		Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700PA31	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	8270C SIM	Acenaphthylene	4	µg/kg	U	4	Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700PA31	268518.6875	1786526.75		OGDEN	no	Replaced by extrapolated data
RJ253	SRTS07S01	8270C SIM	Anthracene	4	µg/kg	U	4	Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700PA31	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	8270C SIM	Benzo(a)anthracene	4	µg/kg	U	4	Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700PA31	268518.6875	1786526.75		OGDEN	no	Replaced by extrapolated data
RJ253	SRTS07S01	8270C SIM	Benzo(a)pyrene	4	µg/kg	U	4	Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700PA31	268518.6875	1786526.75		OGDEN	no	Replaced by extrapolated data
RJ253	SRTS07S01	8270C SIM	Benzo(b)fluoranthene	4	µg/kg	U	4	Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700PA31	268518.6875	1786526.75		OGDEN	no	Replaced by extrapolated data
RJ253	SRTS07S01	8270C SIM	Benzo(g,h,i)perylene	4	µg/kg	U	4	Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700PA31	268518.6875	1786526.75		OGDEN	no	Replaced by extrapolated data
RJ253	SRTS07S01	8270C SIM	Benzo(k)fluoranthene	4	µg/kg	U	4	Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700PA31	268518.6875	1786526.75		OGDEN	no	Replaced by extrapolated data
RJ253	SRTS07S01	8270C SIM	Chrysene	4	µg/kg	U	4	Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700PA31	268518.6875	1786526.75		OGDEN	no	Replaced by extrapolated data
RJ253	SRTS07S01	8270C SIM	Dibenzo(a,h)anthracene	4	µg/kg	U	4	Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700PA31	268518.6875	1786526.75		OGDEN	no	Replaced by extrapolated data
RJ253	SRTS07S01	8270C SIM	Fluoranthene	4	µg/kg	U	4	Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700PA31	268518.6875	1786526.75		OGDEN	no	Replaced by extrapolated data
RJ253	SRTS07S01	8270C SIM	Fluorene	4	µg/kg	U	4	Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700PA31	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	8270C SIM	Indeno(1,2,3-cd)pyrene	4	µg/kg	U	4	Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700PA31	268518.6875	1786526.75		OGDEN	no	Replaced by extrapolated data
RJ253	SRTS07S01	8270C SIM	Naphthalene	4	µg/kg	U	4	Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700PA31	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	8270C SIM	N-nitrosodimethylamine	4	µg/kg	U	4	Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700PA31	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	8270C SIM	Phenanthrene	4	µg/kg	U	4	Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700PA31	268518.6875	1786526.75		OGDEN	yes	
RJ253	SRTS07S01	8270C SIM	Pyrene	4	µg/kg	U	4	Soil	4/18/2001	5.5	Primary Sample	RJ249	no		CEIMIC	010340-05	T700PA31	268518.6875	1786526.75		OGDEN	no	Replaced by extrapolated data
RJ271	SRTS09S01	6010B	Aluminum	3.7	mg/kg	U	3.7	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700MT43	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	6010B	Antimony	0.68	mg/kg	UJ	0.68	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700MT43	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	6010B	Arsenic	4.3	mg/kg			Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700MT43	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	6010B	Barium	0.24	mg/kg	U	0.24	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700MT43	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	6010B	Beryllium	0.03	mg/kg	U	0.03	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700MT43	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	6010B	Boron	5.3	mg/kg			Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700MT43	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	6010B	Cadmium	0.02	mg/kg	UJ	0.02	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700MT43	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	6010B	Calcium	12.3	mg/kg			Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700MT43	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	6010B	Chromium	0.38	mg/kg	U	0.38	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700MT43	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	6010B	Cobalt	0.19	mg/kg	U	0.19	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700MT43	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	6010B	Copper	0.51	mg/kg	U	0.51	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700MT43	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	6010B	Iron	2.8	mg/kg	U	2.8	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700MT43	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	6010B	Lead	5.4	mg/kg			Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700MT43	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	6010B	Magnesium	5	mg/kg	UJ	5	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700MT43	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	6010B	Manganese	0.4	mg/kg			Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700MT43	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	6010B	Molybdenum	0.52	mg/kg	U	0.52	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700MT43	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	6010B	Nickel	0.43	mg/kg	U	0.43	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700MT43	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	6010B	Potassium	15.6	mg/kg	U	15.6	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700MT43	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	6010B	Selenium	0.86	mg/kg			Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700MT43	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	6010B	Silver	0.36	mg/kg	U	0.36	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700MT43	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	6010B	Sodium	22.6	mg/kg			Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700MT43	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	6010B	Thallium	1.4	mg/kg	U	1.4	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700MT43	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	6010B	Vanadium	0.27	mg/kg	U	0.27	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700MT43	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	6010B	Zinc	0.42	mg/kg	U	0.42	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700MT43	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	7471A	Mercury	0.02	mg/kg	UJ	0.02	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700MT43	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	8015M	C08-C11 (Gasoline Range)	4	mg/kg	U	4	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700TF31	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	8015M	C11-C14 (Kerosene Range)	4	mg/kg	U	4	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700TF31	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	8015M	C14-C20 (Diesel Range)	4	mg/kg	U	4	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700TF31	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	8015M	C20-C30 (Lubricant Oil Range)	4	mg/kg	U	4	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700TF31	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	8270C SIM	2-Methylnaphthalene	3	µg/kg	U	3	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700PA28	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	8270C SIM	Acenaphthene	3	µg/kg	U	3	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700PA28	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	8270C SIM	Acenaphthylene	3	µg/kg	U	3	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700PA28	268438.3125	1786540.5		OGDEN	no	Replaced by extrapolated data
RJ271	SRTS09S01	8270C SIM	Anthracene	3	µg/kg	U	3	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700PA28	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	8270C SIM	Benzo(a)anthracene	3	µg/kg	U	3	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700PA28	268438.3125	1786540.5		OGDEN	no	Replaced by extrapolated data
RJ271	SRTS09S01	8270C SIM	Benzo(a)pyrene	3	µg/kg	U	3	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700PA28	268438.3125	1786540.5		OGDEN	no	Replaced by extrapolated data
RJ271	SRTS09S01	8270C SIM	Benzo(b)fluoranthene	3	µg/kg	U	3	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700PA28	268438.3125	1786540.5		OGDEN	no	Replaced by extrapolated data
RJ271	SRTS09S01	8270C SIM	Benzo(g,h,i)perylene	3	µg/kg	U	3	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700PA28	268438.3125	1786540.5		OGDEN	no	Replaced by extrapolated data
RJ271	SRTS09S01	8270C SIM	Benzo(k)fluoranthene	3	µg/kg	U	3	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700PA28	268438.3125	1786540.5		OGDEN	no	Replaced by extrapolated data

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
RJ271	SRTS09S01	8270C SIM	Chrysene	3	µg/kg	U	3	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700PA28	268438.3125	1786540.5		OGDEN	no	Replaced by extrapolated data
RJ271	SRTS09S01	8270C SIM	Dibenzo(a,h)anthracene	3	µg/kg	U	3	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700PA28	268438.3125	1786540.5		OGDEN	no	Replaced by extrapolated data
RJ271	SRTS09S01	8270C SIM	Fluoranthene	3	µg/kg	U	3	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700PA28	268438.3125	1786540.5		OGDEN	no	Replaced by extrapolated data
RJ271	SRTS09S01	8270C SIM	Fluorene	3	µg/kg	U	3	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700PA28	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	8270C SIM	Indeno(1,2,3-cd)pyrene	3	µg/kg	U	3	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700PA28	268438.3125	1786540.5		OGDEN	no	Replaced by extrapolated data
RJ271	SRTS09S01	8270C SIM	Naphthalene	3	µg/kg	J		Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700PA28	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	8270C SIM	N-nitrosodimethylamine	3	µg/kg	U	3	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700PA28	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	8270C SIM	Phenanthrene	3	µg/kg	U	3	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700PA28	268438.3125	1786540.5		OGDEN	yes	
RJ271	SRTS09S01	8270C SIM	Pyrene	3	µg/kg	U	3	Soil	4/25/2001	6	Primary Sample	RJ258	no		CEIMIC	010358-13	T700PA28	268438.3125	1786540.5		OGDEN	no	Replaced by extrapolated data
MJ003	SRTS10S03	7471A	Mercury	0.03	mg/kg	U	0.03	Soil	8/2/2001	3	Primary Sample	MJ001	no		CEIMIC	010662-03	T702MT1	268465.9063	1786315.125		MWH	yes	
MJ004	SRTS11S02	7471A	Mercury	0.05	mg/kg		0.04	Soil	8/2/2001	3	Primary Sample	MJ001	no		CEIMIC	010662-04	T702MT1	268477.0938	1786386.125		MWH	yes	
MJ008	SRTS12S02	7471A	Mercury	0.85	mg/kg		0.03	Soil	8/2/2001	3	Primary Sample	MJ001	no		CEIMIC	010662-08	T702MT1	268503.8437	1786332.125		MWH	yes	
SVLF0031	SVLF0031	8240	VOC in vapor screen (All ND)	0	µg/L	U*	0	Vapor	8/23/1993	1.5	Primary Sample	Leachfields	no		HGS	VOA0805		268472.016	1786522.247	CCR & Draft RFI WP A IV Pt. 1, Vol. I, App A-H (10/93)	ICF Kaiser	no	data not validated
SVLF0031R	SVLF0031R	8240	VOC in vapor screen (All ND)	0	µg/L	U*	0	Vapor	8/23/1993	1.5	Field Duplicate	Leachfields	no		HGS	VOA0806		268472.016	1786522.247	CCR & Draft RFI WP A IV Pt. 1, Vol. I, App A-H (10/93)	ICF Kaiser	no	data not validated
T-1-UT71	T-1-UT71	7420	Lead	3.83	mg/kg	*	1	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	981210-2		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8015	TPH (as Diesel)	10	mg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	981210-2		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8015	TPH (as Gasoline)	1	mg/kg	U*	1	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	981210-2		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	1,1,1,2-Tetrachloroethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	1,1,1-Trichloroethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	1,1,2,2-Tetrachloroethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	1,1,2-Trichloroethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	1,1-Dichloroethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	1,1-Dichloroethene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	1,1-Dichloropropene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	1,2,3-Trichlorobenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	1,2,3-Trichloropropane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	1,2,4-Trichlorobenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	1,2-Dibromo-3-chloropropane	50	µg/kg	U*	50	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	1,2-Dibromoethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	1,2-Dichlorobenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	1,2-Dichloroethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	1,2-Dichloropropane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	1,3,5-Trimethylbenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	1,3-Dichlorobenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	1,3-Dichloropropane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	1,4-Dichlorobenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	2,2-Dichloropropane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	2-Butanone	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	2-Chlorotoluene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	4-Chlorotoluene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	4-Isopropyltoluene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	Acetone	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	Benzene	5	µg/kg	U*	5	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	Bromodichloromethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	Bromoform	50	µg/kg	U*	50	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	Bromomethane	30	µg/kg	U*	30	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	Carbon tetrachloride	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	Chlorobenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	Chloroethane	30	µg/kg	U*	30	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	Chloroform	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	Chloromethane	30	µg/kg	U*	30	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	cis-1,2-Dichloroethene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	cis-1,3-Dichloropropene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	Dibromochloromethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	Dibromomethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	Dichlorodifluoromethane	30	µg/kg	U*	30	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	Ethylbenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	Hexachlorobutadiene	30	µg/kg	U*	30	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	Iodomethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	Isopropylbenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	m,p-Xylene	15	µg/kg	U*	15	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	Methyl tert-butyl ether	50	µg/kg	U*	50	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	Methylene chloride	50	µg/kg	U*	50	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	Monobromobenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	Naphthalene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	n-Butylbenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	n-Propylbenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	o-Xylene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	sec-Butylbenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	Styrene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	tert-Butylbenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	Tetrachloroethene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	Toluene	5	µg/kg	U*	5	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	trans-1,2-Dichloroethene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	trans-1,3-Dichloropropene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	Trichloroethene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	Trichlorofluoromethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	8260	Vinyl chloride	30	µg/kg	U*	30	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28924		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT71	T-1-UT71	DOHS	Organic Lead	0.5	mg/kg	U*	0.5	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	981210-2		268485.361	1786304.586	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8015D	C09-C23 (Diesel Range)	10	mg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8015D	C09-C40 (Diesel, Oil Range)	10	mg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8015D	C23-C40 (Heavy Oil)	10	mg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	1,1,1,2-Tetrachloroethane	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	1,1,1-Trichloroethane	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	1,1,2,2-Tetrachloroethane	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	1,1,2-Trichloroethane	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	1,1-Dichloroethane	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	1,1-Dichloroethene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	1,1-Dichloropropene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	1,2,3-Trichlorobenzene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	1,2,3-Trichloropropane	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	1,2,4-Trichlorobenzene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	1,2,4-Trimethylbenzene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	1,2-Dibromo-3-chloropropane	50	µg/kg	U*	50	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
T-1-UT74	T-1-UT74	8260B	1,2-Dibromoethane	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	1,2-Dichlorobenzene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	1,2-Dichloroethane	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	1,2-Dichloropropane	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	1,3,5-Trimethylbenzene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	1,3-Dichlorobenzene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	1,3-Dichloropropane	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	1,4-Dichlorobenzene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	2,2-Dichloropropane	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	2-Butanone	50	µg/kg	U*	50	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	2-Chloroethyl vinyl ether	50	µg/kg	U*	50	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	2-Chlorotoluene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	2-Hexanone	50	µg/kg	U*	50	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	4-Chlorotoluene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	4-Isopropyltoluene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	4-Methyl-2-pentanone	50	µg/kg	U*	50	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	Acetone	50	µg/kg	U*	50	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	Benzene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	Bromochloromethane	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	Bromodichloromethane	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	Bromoform	50	µg/kg	U*	50	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	Bromomethane	30	µg/kg	U*	30	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	Carbon disulfide	50	µg/kg	U*	50	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	Carbon tetrachloride	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	Chlorobenzene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	Chloroethane	30	µg/kg	U*	30	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	Chloroform	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	Chloromethane	30	µg/kg	U*	30	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	cis-1,2-Dichloroethene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	cis-1,3-Dichloropropene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	Dibromochloromethane	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	Dibromomethane	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	Dichlorodifluoromethane	30	µg/kg	U*	30	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	Ethylbenzene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	Hexachlorobutadiene	30	µg/kg	U*	30	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	Isopropylbenzene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	m,p-Xylene	20	µg/kg	U*	20	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	Methyl tert-butyl ether	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	Methylene chloride	50	µg/kg	U*	50	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	Monobromobenzene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	Naphthalene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	n-Butylbenzene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	n-Propylbenzene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	o-Xylene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	sec-Butylbenzene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	Styrene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	tert-Butylbenzene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	Tetrachloroethene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	Toluene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	trans-1,2-Dichloroethene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	trans-1,3-Dichloropropene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	Trichloroethene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	Trichlorofluoromethane	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	Vinyl acetate	50	µg/kg	U*	50	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-1-UT74	T-1-UT74	8260B	Vinyl chloride	30	µg/kg	U*	30	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93342		268318.4562	1786487.309	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	7420	Lead	13.5	mg/kg	*	1	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	981210-3		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8015	TPH (as Diesel)	10	mg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	981210-3		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8015	TPH (as Gasoline)	1	mg/kg	U*	1	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	981210-3		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	1,1,1,2-Tetrachloroethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	1,1,1-Trichloroethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	1,1,2,2-Tetrachloroethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	1,1,2-Trichloroethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	1,1-Dichloroethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	1,1-Dichloroethene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	1,1-Dichloropropene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	1,2,3-Trichlorobenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	1,2,3-Trichloropropane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	1,2,4-Trichlorobenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	1,2-Dibromo-3-chloropropane	50	µg/kg	U*	50	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	1,2-Dibromoethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	1,2-Dichlorobenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	1,2-Dichloroethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	1,2-Dichloropropane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	1,3,5-Trimethylbenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	1,3-Dichlorobenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	1,3-Dichloropropane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	1,4-Dichlorobenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	2,2-Dichloropropane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	2-Butanone	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	2-Chlorotoluene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	4-Chlorotoluene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	4-Isopropyltoluene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	Acetone	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	Benzene	5	µg/kg	U*	5	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	Bromodichloromethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	Bromoform	50	µg/kg	U*	50	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	Bromomethane	30	µg/kg	U*	30	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	Carbon tetrachloride	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	Chlorobenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	Chloroethane	30	µg/kg	U*	30	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	Chloroform	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	Chloromethane	30	µg/kg	U*	30	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	cis-1,2-Dichloroethene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	cis-1,3-Dichloropropene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
T-2-UT71	T-2-UT71	8260	Dibromochloromethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	Dibromomethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	Dichlorodifluoromethane	30	µg/kg	U*	30	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	Ethylbenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	Hexachlorobutadiene	30	µg/kg	U*	30	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	Iodomethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	Isopropylbenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	m,p-Xylene	15	µg/kg	U*	15	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	Methyl tert-butyl ether	50	µg/kg	U*	50	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	Methylene chloride	50	µg/kg	U*	50	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	Monobromobenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	Naphthalene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	n-Butylbenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	n-Propylbenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	o-Xylene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	sec-Butylbenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	Styrene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	tert-Butylbenzene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	Tetrachloroethene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	Toluene	5	µg/kg	U*	5	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	trans-1,2-Dichloroethene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	trans-1,3-Dichloropropene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	Trichloroethene	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	Trichlorofluoromethane	10	µg/kg	U*	10	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	8260	Vinyl chloride	30	µg/kg	U*	30	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	28925		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT71	T-2-UT71	DOHS	Organic Lead	0.5	mg/kg	U*	0.5	Soil	12/8/1998	0	Primary Sample	CT133-14	no		Cal Tech	981210-3		268492.432	1786300.422	UST Closure Tank #UT-71, January 1999	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8015D	C09-C23 (Diesel Range)	10	mg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8015D	C09-C40 (Diesel, Oil Range)	10	mg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8015D	C23-C40 (Heavy Oil)	10	mg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	1,1,1,2-Tetrachloroethane	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	1,1,1-Trichloroethane	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	1,1,2,2-Tetrachloroethane	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	1,1,2-Trichloroethane	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	1,1-Dichloroethane	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	1,1-Dichloroethene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	1,1-Dichloropropene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	1,2,3-Trichlorobenzene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	1,2,3-Trichloropropane	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	1,2,4-Trichlorobenzene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	1,2,4-Trimethylbenzene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	1,2-Dibromo-3-chloropropane	50	µg/kg	U*	50	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	1,2-Dibromoethane	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	1,2-Dichlorobenzene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	1,2-Dichloroethane	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	1,2-Dichloropropane	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	1,3,5-Trimethylbenzene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	1,3-Dichlorobenzene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	1,3-Dichloropropane	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	1,4-Dichlorobenzene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	2,2-Dichloropropane	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	2-Butanone	50	µg/kg	U*	50	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	2-Chloroethyl vinyl ether	50	µg/kg	U*	50	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	2-Chlorotoluene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	2-Hexanone	50	µg/kg	U*	50	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	4-Chlorotoluene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	4-Isopropyltoluene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	4-Methyl-2-pentanone	50	µg/kg	U*	50	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	Acetone	50	µg/kg	U*	50	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	Benzene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	Bromochloromethane	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	Bromodichloromethane	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	Bromoform	50	µg/kg	U*	50	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	Bromomethane	30	µg/kg	U*	30	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	Carbon disulfide	50	µg/kg	U*	50	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	Carbon tetrachloride	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	Chlorobenzene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	Chloroethane	30	µg/kg	U*	30	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	Chloroform	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	Chloromethane	30	µg/kg	U*	30	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	cis-1,2-Dichloroethene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	cis-1,3-Dichloropropene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	Dibromochloromethane	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	Dibromomethane	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	Dichlorodifluoromethane	30	µg/kg	U*	30	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	Ethylbenzene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	Hexachlorobutadiene	30	µg/kg	U*	30	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	Isopropylbenzene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	m,p-Xylene	20	µg/kg	U*	20	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	Methyl tert-butyl ether	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	Methylene chloride	50	µg/kg	U*	50	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	Monobromobenzene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	Naphthalene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	n-Butylbenzene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	n-Propylbenzene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	o-Xylene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	sec-Butylbenzene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	Styrene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	tert-Butylbenzene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	Tetrachloroethene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	Toluene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	trans-1,2-Dichloroethene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	trans-1,3-Dichloropropene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	Trichloroethene	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	Trichlorofluoromethane	10	µg/kg	U*	10	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated

Sodium Reactor Expirement (Area IV Area of Concern)
Sampling and Analytical Results Summary
Santa Susana Field Laboratory

EPA Number	Sample Identification	Analytical Method	Analyte	Concentration	Units	Reviewer Qualifier	Detection Limit	Matrix	Collection Date	Depth (ft bgs)	Sample Type	SDG Number	Excavated	Contained or Transformer	Analytical Laboratory	Laboratory Sample Number	Validation Report Number	Northings	Eastings	Publication	Consultant	Included in Risk Assessment	Rationale for Risk Exclusion
T-2-UT74	T-2-UT74	8260B	Vinyl acetate	50	µg/kg	U*	50	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated
T-2-UT74	T-2-UT74	8260B	Vinyl chloride	30	µg/kg	U*	30	Soil	3/28/2001	0	Primary Sample	18348	no		AETL	AE93343		268324.8049	1786492.263	UST Closure Tank #UT-74, April 2001	Sierra Geoscience, Inc.	no	data not validated

Units
µg/kg = microgram per kilogram
µg/L = micrograms per liter
mg/kg = milligrams per kilogram
mg/L = milligram per liter
ng/kg = nanogram pre kilogram
pCi/L = picocuries per liter

Reviewer Qualifiers
U = not detected
J = estimated value
* = not validated

ft bgs = feet below ground surface
TEQ = Toxic Equivalency Quotient

CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

MECX, LLC
12260 East Vassar Drive
Suite 500
Lakewood, CO 80226

Package ID B4DF104
Task Order 1261.001D.01
SDG No. IPE2104
No. of Analyses 1

Laboratory Alta Analytical
Reviewer E. Wessling
Analysis/Method Dioxins/Furans

Date: July 25, 2006
Reviewer's Signature

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications were assigned for the following:
Holding Times	- the result between the RL and the MDL was estimated
GC/MS Tune/Inst. Performance	- EMPC values were qualified as estimated nondetects
Calibration	
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification	
Quantitation	
System Performance	
COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

DATA VALIDATION REPORT

NPDES Monitoring Program
Routine Outfall 004

ANALYSIS: DIOXINS/FURANS

SAMPLE DELIVERY GROUP: IPE2104

Prepared by

MEC^X, LLC
12269 East Vassar Drive
Aurora, CO 80014

1. INTRODUCTION

Task Order Title:	NPDES
Contract Task Order:	1261.001D.01
Sample Delivery Group:	IPE2104
Project Manager:	P. Costa
Matrix:	Water
Analysis:	Dioxins/Furans
QC Level:	Level IV
No. of Samples:	1
No. of Reanalyses/Dilutions:	0
Reviewer:	E. Wessling
Date of Review:	July 25, 2006

The sample listed in Table 1 was validated based on the guidelines outlined in the *MEC^X Data Validation Procedure for Dioxins and Furans (DVP-19, Rev. 0), USEPA Method 1613*, and the *National Functional Guidelines for Chlorinated Dioxin/Furan Data Review* (8/02). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Client ID	Laboratory ID (Del Mar)	Laboratory ID (Alta)	Matrix	COC Method
Outfall 004	IPE2104-01	27732-001	Water	1613

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The sample in this SDG was received at Del Mar Analytical within the temperature limits of 4°C ±2°C. The sample was shipped to Alta for dioxin/furan analysis and was received below the temperature limits at 1.0°C. The sample containers were not noted to be damaged or frozen during transportation; therefore, no qualifications were required. According to the case narrative and laboratory login sheet, the sample was received intact and in good condition at both laboratories. No qualifications were required.

2.1.2 Chain of Custody

The COC and transfer COC were legible and signed by the appropriate field and laboratory personnel, and accounted for the analysis presented in this SDG. As the sample was couriered directly to Del Mar Analytical-Irvine, custody seals were not required. The Client ID was added to the sample result summary by the reviewer. No qualifications were required.

2.1.3 Holding Times

The sample was extracted and analyzed within one year of collection. No qualifications were required.

2.2 INSTRUMENT PERFORMANCE

Following are findings associated with instrument performance:

2.2.1 GC Column Performance

A Windows Defining Mix (WDM) containing the first and last eluting congeners of each descriptor and isomer specificity compounds was not analyzed prior to the initial calibration sequence or at the beginning of each analytical sequence; however, the first and last eluting congeners and isomer specificity compounds were added to the midpoint of the initial calibration and to the continuing calibration standards (see section 2.3.2). The GC column performance in the calibrations was acceptable, with the height of the valley between the closely eluting isomers and 2,3,7,8-TCDD reported as less than 25%. No qualifications were required.

2.2.2 Mass Spectrometer Performance

The mass spectrometer performance was acceptable with the static resolving power greater than 10,000. No qualifications were required.

2.3 CALIBRATION

2.3.1 Initial Calibration

The initial calibration was analyzed 03/24/2006 on instrument VG-9. The calibration consisted of six concentration level standards (CS0 through CS5) analyzed to verify instrument linearity. The initial calibrations were acceptable with %RSDs ≤20% for the 16 native compounds (calibration by isotope dilution) and ≤35% for the one native and all labeled compounds (calibration by internal standard). The relative retention times and ion abundance ratios were within the QC limits listed in Method 1613 for all standards. A representative number of %RSDs were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

2.3.2 Continuing Calibration

Calibration verification (VER) consisted of a mid-level standard (CS3) analyzed at the beginning of each analytical sequence. The VER was acceptable with the concentrations within the acceptance criteria listed in Table 6 of EPA Method 1613. The ion abundance ratios and relative retention times were within the method QC limits. A representative number of %Ds were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

WDM and isomer specificity compounds were added to the VER standard instead of being analyzed separately, as noted in section 2.2.1 of this report. No adverse effect was observed with this practice.

2.4 BLANKS

One method blank (0-8054-MB001) was extracted and analyzed with the sample in this SDG. No target compounds were detected in the method blank. All labeled recoveries were within QC limits. A review of the method blank raw data and chromatograms indicated no false negatives. No qualifications were required.

2.5 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

One blank spike (0-8054-OPR001) was extracted and analyzed with the sample in this SDG. All recoveries were within the acceptance criteria listed in Table 6 of Method 1613. A review of the raw data and chromatograms indicated no transcription or calculation errors. No qualifications were required.

2.6 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MS/MSD analyses were not performed in this SDG. Evaluation of method accuracy was based on the OPR results. No qualifications were required.

2.7 FIELD QC SAMPLES

Following are findings associated with field QC:

2.7.1 Field Blanks and Equipment Rinsates

The sample in this SDG had no field blank or equipment rinsate identified. No qualification of the site sample was required.

2.7.2 Field Duplicates

No field duplicates were identified in association with the sample in this SDG.

2.8 INTERNAL STANDARDS

The labeled standard recoveries were within the acceptance criteria listed in Table 7 of Method 1613. No qualifications were required.

2.9 COMPOUND IDENTIFICATION

The laboratory analyzed for polychlorinated dioxins/furans by EPA Method 1613. The compound identifications were verified from the raw data and no false negatives or positives were noted. No qualifications were required.

2.10 COMPOUND QUANTIFICATION AND REPORTED DETECTION LIMITS

Compound quantitation was verified from the raw data. Although the laboratory incorrectly transcribed the sample volume incorrectly, (1.005 L used in the data calculations and 1.006 L from the raw data), the error was insignificant. The laboratory originally reported total EMPC values as detected total dioxin or furan isomers. These isomers were not actually detected and the error was determined to be within the software of the new instrument. The laboratory reissued the report with the correct total concentrations and EMPC values. EMPC values for 1,2,3,4,6,7,8-HpCDF, OCDF, total HxCDD were qualified as estimated nondetects, “UJ.”

The laboratory calculated and reported compound-specific detection limits. The detect below the laboratory lower calibration level was qualified as estimated, “J.” This “J” value was

annotated with the qualification code of “DNQ” to comply with the reporting requirements of the NPDES permit. No further qualifications were required.

Sample ID: IPE2104-01 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Del Mar, Irvine	Matrix:	Aqueous	Lab Sample:	27732-001	Date Received:	24-May-06
Project:	IPE2104	Sample Size:	1.00 L	QC Batch No.:	8054	Date Extracted:	30-May-06
Date Collected:	22-May-06			Date Analyzed DB-5:	31-May-06	Date Analyzed DB-225:	NA
Time Collected:	1315						

Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.00000126		
1,2,3,7,8-PeCDD	ND	0.00000167		
1,2,3,4,7,8-HxCDD	ND	0.00000110		
1,2,3,6,7,8-HxCDD	ND	0.00000115		
1,2,3,7,8,9-HxCDD	ND	0.00000113		
1,2,3,4,6,7,8-HpCDD	0.0000167			J
OCDD	0.000227			
2,3,7,8-TCDF	ND	0.00000152		
1,2,3,7,8-PeCDF	ND	0.000000859		
2,3,4,7,8-PeCDF	ND	0.000000891		
1,2,3,4,7,8-HxCDF	ND	0.000000712		
1,2,3,6,7,8-HxCDF	ND	0.000000694		
2,3,4,6,7,8-HxCDF	ND	0.000000831		
1,2,3,7,8,9-HxCDF	ND	0.00000107		
1,2,3,4,6,7,8-HpCDF	ND		0.00000245	
1,2,3,4,7,8,9-HpCDF	ND	0.000000899		
OCDF	ND		0.00000459	

Labeled Standard		%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	48.8	25 - 164	
	13C-1,2,3,7,8-PeCDD	47.7	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	47.8	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	45.6	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	53.6	23 - 140	
	13C-OCDD	46.4	17 - 157	
	13C-2,3,7,8-TCDF	46.3	24 - 169	
	13C-1,2,3,7,8-PeCDF	48.6	24 - 185	
	13C-2,3,4,7,8-PeCDF	44.9	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	48.5	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	42.5	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	44.2	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	48.7	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	49.4	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	50.0	26 - 138	
	13C-OCDF	45.2	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	91.9	35 - 197	

Totals

Total TCDD	ND	0.00000126	
Total PeCDD	ND	0.00000167	
Total HxCDD	ND		0.00000145
Total HpCDD	0.0000333		
Total TCDF	ND	0.00000152	
Total PeCDF	ND	0.000000875	
Total HxCDF	0.00000312		
Total HpCDF	0.00000665		0.00000910

Footnotes

a. Sample specific estimated detection limit

b. Estimated maximum possible concentration

c. Method detection limit

d. Lower control limit - upper control limit.

Analyst: DMS

Approved By: Richard A. Spas 25-Jul-2006 07:06

LEVEL IV

CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Package ID T711WC179
Task Order 313150010
SDG No. Multiple
No. of Analyses 3

Laboratory Del Mar - Irvine
Reviewer E. Wessling
Analysis/Method General Minerals

Date: December 12, 2005
Reviewer's Signature

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications were assigned for the following:
Holding Times	- Acceptable as reviewed
GC/MS Tune/Inst. Performance	
Calibration	
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification	
Quantitation	
System Performance	

COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.

[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

DATA VALIDATION REPORT

NPDES Monitoring Program

ANALYSIS: GENERAL MINERALS

SAMPLE DELIVERY GROUPS: IOJ 1176, IOJ1177, IOJ1181

Prepared by

AMEC—Denver Operations
355 South Teller Street, Suite 300
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010
Sample Delivery Group #:	Multiple
Project Manager:	P. Costa
Matrix:	Water
Analysis:	General Minerals
QC Level:	Level IV
No. of Samples:	3
Reviewer:	E. Wessling
Date of Review:	December 12, 2005

The samples listed in Table 1 was validated based on the guidelines outlined in the AMEC *Data Validation Procedures* SOP DVP-6, Rev. 2, *USEPA Methods for Chemical Analysis of Water and Wastes Method 160.2, 300.0, and 413.1, Standard Methods for the Examination of Water and Wastewater Method SM2540C*, and validation guidelines outlined in the USEPA *Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (2/94)*. Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample identification

Client ID	Laboratory ID	Matrix	COC Method
Outfall 005	IOJ1176-01	Water	General Minerals
Outfall 004	IOJ1177-01	Water	General Minerals
Outfall 008	IOJ1181-01	Water	General Minerals

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The samples in these SDGs were received at the laboratory within the temperature limits of 4°C ± 2°C. No preservation problems were noted by the laboratory. No qualifications were required.

2.1.2 Chain of Custody

The COCs were signed and dated by field and laboratory personnel and accounted for the samples and all analyses presented in these SDGs. No sample qualifications were required.

2.1.3 Holding Times

The holding times were assessed by comparing the dates of collection with the dates of analysis. The analytical holding times for all analyses were met. No qualifications were required.

2.2 CALIBRATION

For the applicable analyses, the initial calibration correlation coefficients were ≥ 0.995. Initial and continuing calibration information was acceptable with recoveries within the control limits of 90-110%. No qualifications were required.

2.3 BLANKS

Target compounds were not detected in the associated method blanks. Raw data was reviewed to verify the blank data. No qualifications were required.

2.4 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

The laboratory control sample recoveries were within the laboratory-established control limits. Raw data was reviewed to verify the values reported for the LCS recoveries. No qualifications were required.

2.5 SURROGATES RECOVERY

Surrogate recovery is not applicable to the analyses presented in these SDGs.

2.6 LABORATORY DUPLICATES

No MS/MSD analyses were performed on samples in association with these SDGs; therefore, no assessment was made with respect to this criterion.

2.7 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

No MS/MSD analyses were performed on samples in association with these SDGs; therefore, no assessment was made with respect to this criterion. Method accuracy was based on LCS results for analyses without an MS/MSD. No qualifications were required.

2.8 FURNACE ATOMIC ABSORPTION QC

Furnace atomic absorption was not utilized for the analyses of these samples; therefore, furnace atomic absorption QC is not applicable.

2.9 ICP SERIAL DILUTION

ICP serial dilution is not applicable to the analyses presented in this data validation report.

2.10 SAMPLE RESULT VERIFICATION

A Level IV review was performed for the samples in this data package. Calculations were verified, and the sample results reported on the Form Is were verified against the raw data. No transcription errors or calculation errors were noted. No qualifications were required.

2.11 FIELD QC SAMPLES

Field QC samples are evaluated, and if necessary, qualified based only on laboratory blanks. Any remaining detects are used to evaluate the associated sample. The following are findings associated with field QC samples:

2.11.1 Field Blanks and Equipment Rinsates

The samples in these SDGs had no associated field QC samples. No qualifications were required.

2.11.2 Field Duplicates

There were no field duplicate pairs associated with these SDGs.

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 005
Report Number: IOJ1176

Sampled: 10/18/05
Received: 10/18/05

INORGANICS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers (Rev Qual)	Qual code
Sample ID: IOJ1176-01 (Outfall 005 - Water) - cont.										
Reporting Units: mg/l										
Chloride	EPA 300.0	5J18042	1.3	2.5	27	5	10/18/05	10/18/05		
Nitrate/Nitrite-N	EPA 300.0	5J18042	0.072	0.26	16	1	10/18/05	10/18/05		
Oil & Grease	EPA 413.1	5J21043	0.90	4.8	ND	1	10/21/05	10/21/05	U	
Sulfate	EPA 300.0	5J18042	0.18	0.50	18	1	10/18/05	10/18/05		
Total Dissolved Solids	SM2540C	5J19123	10	10	540	1	10/19/05	10/19/05		
Total Suspended Solids	EPA 160.2	5J20118	10	10	3000	1	10/20/05	10/20/05		

Level IV Validated

Del Mar Analytical, Irvine
Michele Harper
Project Manager

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 004

Report Number: IOJ1177

Sampled: 10/18/05
Received: 10/18/05

INORGANICS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Rev' Qual	Qual Code
Sample ID: IOJ1177-01 (Outfall 004 - Water) - cont.											
Reporting Units: mg/l											
Chloride	EPA 300.0	5J18043	0.26	0.50	**6.8**	1	10/18/05	10/18/05			
Nitrate/Nitrite-N	EPA 300.0	5J18043	0.072	0.26	**1.3**	1	10/18/05	10/18/05			
Oil & Grease	EPA 413.1	5J21043	0.90	4.8	ND	1	10/21/05	10/21/05		U	
Sulfate	EPA 300.0	5J18043	0.18	0.50	**5.5**	1	10/18/05	10/18/05			
Total Dissolved Solids	SM2540C	5J19123	10	10	**110**	1	10/19/05	10/19/05			
Total Suspended Solids	EPA 160.2	5J20118	10	10	**75**	1	10/20/05	10/20/05			

Level IV Validated

Del Mar Analytical, Irvine
Michele Harper
Project Manager

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 008

Report Number: IOJ1181

Sampled: 10/18/05
Received: 10/18/05

INORGANICS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOJ1181-01 (Outfall 008 - Water) - cont. Reporting Units: mg/l									Rev Qual
Chloride	EPA 300.0	5J18042	0.15	0.50	4.6	1	10/18/05	10/18/05	
Nitrate/Nitrite-N	EPA 300.0	5J18042	0.072	0.26	0.95	1	10/18/05	10/18/05	
Oil & Grease	EPA 413.1	5J21043	0.89	4.7	ND	1	10/21/05	10/21/05	U
Sulfate	EPA 300.0	5J18042	0.45	0.50	14	1	10/18/05	10/18/05	
Total Dissolved Solids	SM2540C	5J19123	10	10	270	1	10/19/05	10/19/05	
Total Suspended Solids	EPA 160.2	5J20118	10	10	1300	1	10/20/05	10/20/05	
Sample ID: IOJ1181-01 (Outfall 008 - Water) Reporting Units: ug/l									
* Perchlorate	EPA 314.0	5J19053	0.80	4.0	ND	1	10/19/05	10/19/05	

Quals code

* analysis not validated

Level IV Validated

Del Mar Analytical, Irvine
Michele Harper
Project Manager

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CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Package ID T711WC178
Task Order 313150010
SDG No. Multiple
No. of Analyses 5

Laboratory Del Mar - Irvine
Reviewer E. Wessling
Analysis/Method General Minerals

Date: December 12, 2005
Reviewer's Signature

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications were assigned for the following: - Qualifications for "J" values between the RL and MDL.
Holding Times	
GC/MS Tune/Inst. Performance	
Calibration	
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification	
Quantitation	
System Performance	

COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

DATA VALIDATION REPORT

NPDES Monitoring Program

ANALYSIS: GENERAL MINERALS

SAMPLE DELIVERY GROUPS: IOJ1231, IOJ1232, IOJ1180, IOJ1184, IOJ1186

Prepared by

AMEC—Denver Operations
355 South Teller Street, Suite 300
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010
Sample Delivery Group #:	Multiple
Project Manager:	P. Costa
Matrix:	Water
Analysis:	General Minerals
QC Level:	Level IV
No. of Samples:	5
Reviewer:	E. Wessling
Date of Review:	December 12, 2005

The samples listed in Table 1 was validated based on the guidelines outlined in the AMEC *Data Validation Procedures* SOP DVP-6, Rev. 2, *USEPA Methods for Chemical Analysis of Water and Wastes Method 160.2, 300.0, and 413.1, Standard Methods for the Examination of Water and Wastewater Method SM2540C*, and validation guidelines outlined in the USEPA *Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (2/94)*. Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample identification

Client ID	Laboratory ID	Matrix	COC Method
Outfall 003	IOJ1231-01	Water	General Minerals
Outfall 010	IOJ1232-01	Water	General Minerals
Outfall 006	IOJ1180-01	Water	General Minerals
Outfall 007	IOJ1184-01	Water	General Minerals
Outfall 009	IOJ1186-01	Water	General Minerals

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The samples in these SDGs were received at the laboratory within the temperature limits of 4°C ± 2°C. No preservation problems were noted by the laboratory. No qualifications were required.

2.1.2 Chain of Custody

The COCs were signed and dated by field and laboratory personnel and accounted for the samples and all analyses presented in these SDGs. No sample qualifications were required.

2.1.3 Holding Times

The holding times were assessed by comparing the dates of collection with the dates of analysis. The analytical holding times for all analyses were met. No qualifications were required.

2.2 CALIBRATION

For the applicable analyses, the initial calibration correlation coefficients were ≥ 0.995. Initial and continuing calibration information was acceptable with recoveries within the control limits of 90-110%. No qualifications were required.

2.3 BLANKS

Target compounds were not detected in the associated method blanks. Raw data was reviewed to verify the blank data. No qualifications were required.

2.4 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

The laboratory control sample recoveries were within the laboratory-established control limits. Raw data was reviewed to verify the values reported for the LCS recoveries. No qualifications were required.

2.5 SURROGATES RECOVERY

Surrogate recovery is not applicable to the analyses presented in these SDGs.

2.6 LABORATORY DUPLICATES

No MS/MSD analyses were performed on samples in association with these SDGs; therefore, no assessment was made with respect to this criterion.

2.7 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

No MS/MSD analyses were performed on samples in association with these SDGs; therefore, no assessment was made with respect to this criterion. Method accuracy was based on LCS results for analyses without an MS/MSD. No qualifications were required.

2.8 FURNACE ATOMIC ABSORPTION QC

Furnace atomic absorption was not utilized for the analyses of these samples; therefore, furnace atomic absorption QC is not applicable.

2.9 ICP SERIAL DILUTION

ICP serial dilution is not applicable to the analyses presented in this data validation report.

2.10 SAMPLE RESULT VERIFICATION

A Level IV review was performed for the samples in this data package. Calculations were verified, and the sample results reported on the Form Is were verified against the raw data. No transcription errors or calculation errors were noted. Results reported by the laboratory between the MDL and reporting limit were qualified as "J" values and annotated with the qualification code of "DNQ" to comply with the reporting requirements of the NPDES permit. No further qualifications were required.

2.11 FIELD QC SAMPLES

Field QC samples are evaluated, and if necessary, qualified based only on laboratory blanks. Any remaining detects are used to evaluate the associated sample. The following are findings associated with field QC samples:

2.11.1 Field Blanks and Equipment Rinsates

The samples in these SDGs had no associated field QC samples. No qualifications were required.

2.11.2 Field Duplicates

There were no field duplicate pairs associated with these SDGs.

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 006
Report Number: IOJ1180

Sampled: 10/18/05
Received: 10/18/05

INORGANICS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers (Rev Qual)	Qual Code
Sample ID: IOJ1180-01 (Outfall 006 - Water) - cont.										
Reporting Units: mg/l										
Chloride	EPA 300.0	5J18042	0.52	1.0	41	2	10/18/05	10/18/05		
Nitrate/Nitrite-N	EPA 300.0	5J18042	0.14	0.52	7.9	2	10/18/05	10/18/05		
Oil & Grease	EPA 413.1	5J24050	0.94	5.0	ND	1	10/24/05	10/24/05	U	
Sulfate	EPA 300.0	5J18042	0.36	1.0	23	2	10/18/05	10/18/05		
Total Dissolved Solids	SM2540C	5J19123	10	10	480	1	10/19/05	10/19/05		
Total Suspended Solids	EPA 160.2	5J20118	10	10	520	1	10/20/05	10/20/05		

Level IV Validated

Del Mar Analytical, Irvine
Michele Harper
Project Manager

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 007
Report Number: IOJ1184

Sampled: 10/18/05
Received: 10/18/05

INORGANICS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOJ1184-01 (Outfall 007 - Water) - cont.									
Reporting Units: mg/l									
Chloride	EPA 300.0	5J18043	0.75	2.5	51	5	10/18/05	10/18/05	
Nitrate/Nitrite-N	EPA 300.0	5J18043	0.080	0.15	7.4	1	10/18/05	10/18/05	
Oil & Grease	EPA 413.1	5J24050	0.89	4.7	ND	1	10/24/05	10/24/05	U
Sulfate	EPA 300.0	5J18043	0.45	0.50	33	1	10/18/05	10/18/05	
Total Dissolved Solids	SM2540C	5J19123	10	10	430	1	10/19/05	10/19/05	
Total Suspended Solids	EPA 160.2	5J20118	10	10	670	1	10/20/05	10/20/05	

Level IV Validated

Del Mar Analytical, Irvine
Michele Harper
Project Manager

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 009
Report Number: 10J1186

Sampled: 10/18/05
Received: 10/18/05

INORGANICS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers (Rev Qual)	Qual code
Sample ID: 10J1186-01 (Outfall 009 - Water) - cont.										
Reporting Units: mg/l										
Chloride	EPA 300.0	5J18042	0.15	0.50	7.5	1	10/18/05	10/18/05		
Nitrate/Nitrite-N	EPA 300.0	5J18042	0.080	0.15	1.1	1	10/18/05	10/18/05		
Oil & Grease	EPA 413.1	5J24050	0.94	5.0	ND	1	10/24/05	10/24/05	U	
Sulfate	EPA 300.0	5J18042	0.45	0.50	41	1	10/18/05	10/18/05		
Total Dissolved Solids	SM2540C	5J19123	10	10	260	1	10/19/05	10/19/05		
Total Suspended Solids	EPA 160.2	5J20118	10	10	4000	1	10/20/05	10/20/05		

Level IV Validated

Del Mar Analytical, Irvine
Michele Harper
Project Manager

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 003
Report Number: IOJ1231

Sampled: 10/18/05
Received: 10/18/05

INORGANICS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Rev Qual	Qual Code
Sample ID: IOJ1231-01 (Outfall 003 - Water) - cont.											
Reporting Units: mg/l											
Chloride	EPA 300.0	5J18042	2.6	5.0	100	10	10/18/05	10/18/05			
Nitrate/Nitrite-N	EPA 300.0	5J18042	0.072	0.26	ND	1	10/18/05	10/18/05		U	
Oil & Grease	EPA 413.1	5J24050	0.94	5.0	1.1	1	10/24/05	10/24/05	J	J	DNC
Sulfate	EPA 300.0	5J18042	1.8	5.0	80	10	10/18/05	10/18/05			
Total Dissolved Solids	SM2540C	5J24100	10	10	850	1	10/24/05	10/24/05			
Total Suspended Solids	EPA 160.2	5J21114	10	10	480	1	10/21/05	10/21/05			

Level IV Validated

Del Mar Analytical, Irvine
Michele Harper
Project Manager

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 010
Report Number: IOJ1232

Sampled: 10/18/05
Received: 10/18/05

INORGANICS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers (Rep Qual)	Qual Code
Sample ID: IOJ1232-01 (Outfall 010 - Water) - cont. Reporting Units: mg/l										
Chloride	EPA 300.0	5J18042	1.5	5.0	45	10	10/18/05	10/18/05		
Nitrate/Nitrite-N	EPA 300.0	5J18042	0.080	0.15	2.5	1	10/18/05	10/18/05		
Oil & Grease	EPA 413.1	5J24050	0.94	5.0	ND	1	10/24/05	10/24/05	U	
Sulfate	EPA 300.0	5J18042	0.45	0.50	50	1	10/18/05	10/18/05		
Total Dissolved Solids	SM2540C	5J24100	10	10	320	1	10/24/05	10/24/05		
Total Suspended Solids	EPA 160.2	5J21114	10	10	86	1	10/21/05	10/21/05		

Level IV Validated

Del Mar Analytical, Irvine
Michele Harper
Project Manager

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CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Package ID T711WC117
Task Order 313150010
SDG No. IOC1563
No. of Analyses 1

Laboratory Del Mar Analytical
Reviewer L. Jarusewic
Analysis/Method General Minerals

Date: 04/07/05
Reviewer's Signature L. Jarusewic

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications were applied for:
	1) Detects below the reporting limit
Holding Times	
GC/MS Tune/Inst. Performance	
Calibrations	
Blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification and Quantitation	
System Performance	

COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.

[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

Data Qualifier Reference Table

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or may not be present).

Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D were noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) or calibration blank.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination from trip blank.	Not applicable.
+	False positive – reported compound was not present. Not applicable.	
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination from FB, or ER.	Presumed contamination from FB or ER.
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
DNQ	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.

*#	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).

DATA VALIDATION REPORT

NPDES Monitoring

ANALYSIS: GENERAL MINERALS

SAMPLE DELIVERY GROUP: IOC1563

Prepared by

AMEC—Denver Operations
550 South Wadsworth Boulevard, Suite 500
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010
Sample Delivery Group #:	IOC1563
Project Manager:	B. McIlvaine
Matrix:	Water
Analysis:	General Minerals
QC Level:	Level IV
No. of Samples:	1
Reviewer:	L. Jarusewic
Date of Review:	April 7, 2005

The sample listed in Table 1 was validated based on the guidelines outlined in the AMEC *Data Validation Procedures* SOP DVP-6, Rev. 2, *USEPA Methods for Chemical Analysis of Water and Wastes Method 413.1, 160.2, and 300.0, Standard Methods for the Examination of Water and Wastewater Method SM2540C,* and validation guidelines outlined in the USEPA *Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (2/94).* Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample identification

Client ID	EPA ID	Laboratory ID	Matrix	COC Method
Outfall 004	Outfall 004	IOC1563-01	Water	General Minerals

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The sample in this SDG was received at the laboratory above the temperature limits of 4°C ± 2°C at 7°C; however, as the sample had insufficient time to cool in transit to the laboratory, no qualifications were required. No preservation problems were noted by the laboratory. No qualifications were required.

2.1.2 Chain of Custody

The COC was signed and dated by field and laboratory personnel. The COC accounted for all analyses present in this SDG. No sample qualifications were required.

2.1.3 Holding Times

The holding times were assessed by comparing the date of collection with the dates of analyses. The 28-day analytical holding time for chloride, sulfate, and oil and grease, the seven-day holding time for total suspended solids and total dissolved solids, and the 48-hour holding time for nitrate/nitrite were met. No qualifications were required.

2.2 CALIBRATION

For the applicable analyses, the initial calibration correlation coefficients were ≥ 0.995. The initial and continuing calibration information was acceptable with recoveries within the control limits of 90-110%. Calibration is not applicable to oil and grease, total dissolved solids, or total suspended solids. No qualifications were required.

2.3 BLANKS

The method blank and CCB results reported on the summary forms and in the raw data for blank analyses associated with the sample were nondetects at the reporting limit. No qualifications were required.

2.4 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

The laboratory control sample and laboratory control sample duplicate (oil and grease only) recoveries and RPD were within the laboratory-established control limits. No qualifications were required.

2.5 SURROGATES RECOVERY

Surrogate recovery is not applicable to the analyses presented in this SDG.

2.6 LABORATORY DUPLICATES

No MS/MSD analyses were performed in association with the sample in this SDG; therefore, no assessment was made with respect to this criterion.

2.7 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

No MS/MSD analyses were performed in association with the sample in this SDG; therefore, no assessment was made with respect to this criterion. Method accuracy was assessed based on LCS results.

2.8 FURNACE ATOMIC ABSORPTION QC

Furnace atomic absorption was not utilized for the analyses of this sample; therefore, furnace atomic absorption QC is not applicable.

2.9 ICP SERIAL DILUTION

ICP serial dilution is not applicable to the analyses presented in this data validation report.

2.10 SAMPLE RESULT VERIFICATION

A Level IV review was performed for the sample in this data package. Calculations were verified, and the sample results reported on the Form Is were verified against the raw data. No transcription errors or calculation errors were noted. Oil and grease detected below the reporting limit was qualified as estimated, "J." No further qualifications were required.

2.11 FIELD QC SAMPLES

Field QC samples are evaluated, and if necessary, qualified based only on laboratory blanks. Any remaining detects are used to evaluate the associated sample. The following are findings associated with field QC samples:

2.11.1 Field Blanks and Equipment Rinsates

The sample in this SDG had no associated field QC samples. No qualifications were required.

2.11.2 Field Duplicates

There were no field duplicate pairs associated with this SDG.

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 004
Report Number: IOC1563

Sampled: 03/19/05
Received: 03/19/05

DRAFT: INORGANICS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	REV QUAL	EQUAL CODE
Sample ID: IOC1563-01 (DRAFT: Outfall 004 - Water) - cont.											
Reporting Units: mg/l											
Chloride	EPA 300.0	5C20029	0.26	0.50	7.4	1	03/20/05	03/20/05			
Nitrate/Nitrite-N	EPA 300.0	5C20029	0.072	0.11	**0.84**	1	03/20/05	03/20/05			
Oil & Grease	EPA 413.1	5C21062	0.94	5.0	**1.3**	1	03/21/05	03/21/05	J	J	PNQ
Sulfate	EPA 300.0	5C20029	0.18	0.50	11	1	03/20/05	03/20/05			
Total Dissolved Solids	SM2540C	5C21073	10	10	160	1	03/21/05	03/21/05			
Total Suspended Solids	EPA 160.2	5C21068	10	10	ND	1	03/21/05	03/21/05	U		

AMEC VALIDATED

LEVEL IV

DRAFT REPORT
DRAFT REPORT
DATA SUBJECT TO CHANGE

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CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Laboratory Del Mar
Reviewer M. Pokorny
Analysis/Method Volatiles

Package ID T711VO64
Task Order 313150010
SDG No. IOB1556
No. of Analyses 2

Date: March 31, 2005
Reviewer's Signature

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications required for calibration outlier and trip blank contamination.
Holding Times	
GC/MS Tune/Inst. Perform	
Calibrations	
Blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification and Quantitation	
System Performance	
COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

DATA VALIDATION REPORT

NPDES Monitoring

ANALYSIS: VOLATILES

SAMPLE DELIVERY GROUP: IOB1556

Prepared by

AMEC Denver Operations
550 South Wadsworth Boulevard, Suite 500
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010
SDG#:	IOB1556
Project Manager:	B. McIlvaine
Matrix:	Water
Analysis:	Volatiles
QC Level:	Level IV
No. of Samples:	2
No. of Reanalyses/Dilutions:	0
Reviewer:	M. Pokorny
Date of Review:	April 1, 2005

The samples listed in Table 1 were validated based on the guidelines outlined in the *AMEC Data Validation Procedure for Levels C and D Volatile Organics (DVP-2, Rev. 2), EPA Method 624, EPA SW-846 Method 8260B,* and the *National Functional Guidelines For Organic Data Review* (2/94). Any deviations from these procedures are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the summary forms as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample identification

Client ID	EPA ID	Lab No.	Matrix	Method
Outfall 004	Outfall 004	IOB1556-01	water	624
Trip Blank	Trip Blank	IOB1556-02	water	624

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

The following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The samples in this SDG were received at the laboratory within the temperature limits of 4°C ±2°C. The samples were properly preserved. The COCs noted that the samples were received intact; however, information regarding absence of headspace was not provided. No qualifications were required.

2.1.2 Chain of Custody

The COCs were signed and dated by both field and laboratory personnel. The COCs accounted for the analyses presented in this SDG. As the samples were couriered directly to the laboratory, custody seals were not required. No qualifications were required.

2.1.3 Holding Times

The samples were analyzed within 14 days of collection. No qualifications were required.

2.2 GC/MS TUNING

The ion abundance windows shown on the quantitation reports were consistent with those specified in the EPA Method 624 and SW-846 Method 8260B, and all ion abundances were within the established windows. The samples and associated QC were analyzed within 12 hours of the BFB injection times. The Form Vs were verified from the raw data and no discrepancies between the summary forms and the raw data were noted. No qualifications were required.

2.3 CALIBRATION

Two initial calibrations dated 11/03/04 (acrolein, acrylonitrile, and Freon 113 only) and 02/07/05 were associated with this SDG. The average RRFs were ≥0.05 for all compounds listed on the sample result summaries except for the RRF for acrolein. Acrolein was rejected, "R," in both of the samples. The %RSDs were ≤35% for the target compounds analyzed by EPA Method 624, and the %RSD for trichlorotrifluorethane (Freon 113) analyzed by EPA SW-846 Method 8260B was ≤15%. Two continuing calibrations associated with the sample analyses were analyzed 02/19/05 (09:11 and 09:42). The RRFs were ≥0.05 in all of the continuing calibrations, except for the RRF for acrolein. Acrolein was rejected, "R," in both of the samples of this SDG. The %D for acrolein exceeded 20% in the continuing calibration, but was already rejected and not further qualified. No qualifications were required for the Trip blank. The %Ds were ≤20% for the remaining target compounds listed on the result summaries except for the %D for 1,1,1-trichloroethane. 1,1,1-Trichloroethane was qualified as an estimated nondetect in sample Outfall 004. A representative number of %RSDs and average RRFs from the initial calibrations, and %Ds

and RRFs from the continuing calibrations were recalculated from the raw data, and no calculation or transcription errors were found. No further qualifications were required.

2.4 BLANKS

One water method blank (5B19020-BLK1) was associated with the sample analyses. There were no detects above the MDLs for the target compounds listed on the sample result summaries. The method blank raw data showed no evidence of false negatives. No qualifications were required.

2.5 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

One water blank spike (5B19020-BS1) was associated with the sample analyses. All recoveries were within the laboratory-established QC limits. A representative number of recoveries were recalculated from the raw data and no calculation or transcription errors were found. No qualifications were required.

2.6 SURROGATE RECOVERY

The surrogates were recovered within the QC limits of 80-120% in the samples and associated QC. A representative number of surrogate recoveries were recalculated from the raw data and no calculation or transcription errors were found. No qualifications were required.

2.7 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample Outfall004 was the MS/MSD analyses performed with the samples of this SDG. All percent recoveries were within the QC limits. No qualifications were required.

2.8 FIELD QC SAMPLES

Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site sample. Following are findings associated with field QC samples:

2.8.1 Trip Blanks

Sample Trip Blank was the trip blank associated with this SDG. Methylene chloride was reported in the trip blank at 1.3ug/L, and was qualified as a nondetect, "U," in sample Outfall 004. No further qualifications were required.

2.8.2 Field Blanks and Equipment Rinsates

There were no field QC samples associated with this SDG. No qualifications were required.

2.8.3 Field Duplicates

There were no field duplicate samples associated with this SDG. No qualifications were required.

2.9 INTERNAL STANDARDS PERFORMANCE

Internal standard area counts and retention times for the samples in this SDG were within the control limits established by the continuing calibration standards, of +100%/-50% for internal standard areas and ±0.50 minutes for retention times. A representative number of internal standard areas and retention times were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

2.10 COMPOUND IDENTIFICATION

Target compound identification was verified at a Level IV data validation. The laboratory analyzed the volatile target compounds by EPA Method 624. Chromatograms, retention times, and spectra for the samples and QC were examined and no target compound identification problems were noted. No qualifications were required.

2.11 COMPOUND QUANTIFICATION AND REPORTED DETECTION LIMITS

Compound quantification is verified at a Level IV data validation. The reporting limits were supported by the lowest concentrations of the initial calibration standards and by the MDL study. Compound quantitation was verified by recalculating any sample detects and a representative number of blank spike and surrogate recoveries from the raw data. Results were reported in µg/L (ppb). No calculation or transcription errors were noted. Target compound detects below the reporting limits were qualified as estimated, "J," by the laboratory. No further qualifications were required.

2.12 TENTATIVELY IDENTIFIED COMPOUNDS

The laboratory did not provide TICs for this SDG. No qualifications were required.

2.13 SYSTEM PERFORMANCE

A review of the chromatograms and other raw data showed no identifiable problems with system performance. No qualifications were required.

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Del Mar Analytical

MWH-Pasadena Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Annual Outfall 004
Report Number: IOB1556

Sampled: 02/18/05
Received: 02/18/05

DRAFT: PURGEABLES BY GC/MS (EPA 624)

Lab Qual / Qual Code

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1556-01 (DRAFT: Outfall 004 - Water)									
Reporting Units: ug/l									
Benzene	EPA 624	5B19020	0.28	1.0	ND	1	02/19/05	02/19/05	U
Bromodichloromethane	EPA 624	5B19020	0.30	2.0	ND	1	02/19/05	02/19/05	
Bromoform	EPA 624	5B19020	0.32	5.0	ND	1	02/19/05	02/19/05	
Bromomethane	EPA 624	5B19020	0.34	5.0	ND	1	02/19/05	02/19/05	
Carbon tetrachloride	EPA 624	5B19020	0.28	0.50	ND	1	02/19/05	02/19/05	
Chlorobenzene	EPA 624	5B19020	0.36	2.0	ND	1	02/19/05	02/19/05	
Chloroethane	EPA 624	5B19020	0.33	5.0	ND	1	02/19/05	02/19/05	
Chloroform	EPA 624	5B19020	0.33	2.0	ND	1	02/19/05	02/19/05	
Chloromethane	EPA 624	5B19020	0.30	5.0	ND	1	02/19/05	02/19/05	
Dibromochloromethane	EPA 624	5B19020	0.28	2.0	ND	1	02/19/05	02/19/05	
1,2-Dichlorobenzene	EPA 624	5B19020	0.32	2.0	ND	1	02/19/05	02/19/05	
1,3-Dichlorobenzene	EPA 624	5B19020	0.35	2.0	ND	1	02/19/05	02/19/05	
1,4-Dichlorobenzene	EPA 624	5B19020	0.37	2.0	ND	1	02/19/05	02/19/05	
1,1-Dichloroethane	EPA 624	5B19020	0.27	2.0	ND	1	02/19/05	02/19/05	
1,2-Dichloroethane	EPA 624	5B19020	0.28	0.50	ND	1	02/19/05	02/19/05	
1,1-Dichloroethene	EPA 624	5B19020	0.32	5.0	ND	1	02/19/05	02/19/05	
trans-1,2-Dichloroethene	EPA 624	5B19020	0.27	2.0	ND	1	02/19/05	02/19/05	
1,2-Dichloropropane	EPA 624	5B19020	0.35	2.0	ND	1	02/19/05	02/19/05	
cis-1,3-Dichloropropene	EPA 624	5B19020	0.22	2.0	ND	1	02/19/05	02/19/05	
trans-1,3-Dichloropropene	EPA 624	5B19020	0.24	2.0	ND	1	02/19/05	02/19/05	
Ethylbenzene	EPA 624	5B19020	0.25	2.0	ND	1	02/19/05	02/19/05	
Methylene chloride	EPA 624	5B19020	0.48	5.0	~~0.95~~	1	02/19/05	02/19/05	U J ~~J~~ DNQ T
1,1,2,2-Tetrachloroethane	EPA 624	5B19020	0.24	2.0	ND	1	02/19/05	02/19/05	U
Tetrachloroethene	EPA 624	5B19020	0.32	2.0	ND	1	02/19/05	02/19/05	U
Toluene	EPA 624	5B19020	0.36	2.0	ND	1	02/19/05	02/19/05	U
1,1,1-Trichloroethane	EPA 624	5B19020	0.30	2.0	**0.76**	1	02/19/05	02/19/05	J J DNQ C
1,1,2-Trichloroethane	EPA 624	5B19020	0.30	2.0	ND	1	02/19/05	02/19/05	U J C
Trichloroethene	EPA 624	5B19020	0.26	2.0	**0.66**	1	02/19/05	02/19/05	J J DNQ
Trichlorofluoromethane	EPA 624	5B19020	0.34	5.0	ND	1	02/19/05	02/19/05	U
Vinyl chloride	EPA 624	5B19020	0.26	0.50	ND	1	02/19/05	02/19/05	U
Xylenes, Total	EPA 624	5B19020	0.52	4.0	ND	1	02/19/05	02/19/05	U
Surrogate: Dibromofluoromethane (80-120%)					*98 %*				
Surrogate: Toluene-d8 (80-120%)					*103 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*98 %*				

AMEC VALIDATED

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MP 3-31-05

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Del Mar Analytical

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Annual Outfall 004
Report Number: IOB1556

Sampled: 02/18/05
Received: 02/18/05

DRAFT: PURGEABLES BY GC/MS (EPA 624)

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Rev Qual	Qual Code
Sample ID: IOB1556-02 (DRAFT: Trip Blanks - Water)											
Reporting Units: ug/l											
Benzene	EPA 624	5B19020	0.28	1.0	ND	1	02/19/05	02/19/05		U	
Bromodichloromethane	EPA 624	5B19020	0.30	2.0	ND	1	02/19/05	02/19/05			
Bromoform	EPA 624	5B19020	0.32	5.0	ND	1	02/19/05	02/19/05			
Bromomethane	EPA 624	5B19020	0.34	5.0	ND	1	02/19/05	02/19/05			
Carbon tetrachloride	EPA 624	5B19020	0.28	0.50	ND	1	02/19/05	02/19/05			
Chlorobenzene	EPA 624	5B19020	0.36	2.0	ND	1	02/19/05	02/19/05			
Chloroethane	EPA 624	5B19020	0.33	5.0	ND	1	02/19/05	02/19/05			
Chloroform	EPA 624	5B19020	0.33	2.0	ND	1	02/19/05	02/19/05			
Chloromethane	EPA 624	5B19020	0.30	5.0	ND	1	02/19/05	02/19/05			
Dibromochloromethane	EPA 624	5B19020	0.28	2.0	ND	1	02/19/05	02/19/05			
1,2-Dichlorobenzene	EPA 624	5B19020	0.32	2.0	ND	1	02/19/05	02/19/05			
1,3-Dichlorobenzene	EPA 624	5B19020	0.35	2.0	ND	1	02/19/05	02/19/05			
1,4-Dichlorobenzene	EPA 624	5B19020	0.37	2.0	ND	1	02/19/05	02/19/05			
1,1-Dichloroethane	EPA 624	5B19020	0.27	2.0	ND	1	02/19/05	02/19/05			
1,2-Dichloroethane	EPA 624	5B19020	0.28	0.50	ND	1	02/19/05	02/19/05			
1,1-Dichloroethene	EPA 624	5B19020	0.32	5.0	ND	1	02/19/05	02/19/05			
trans-1,2-Dichloroethene	EPA 624	5B19020	0.27	2.0	ND	1	02/19/05	02/19/05			
1,2-Dichloropropane	EPA 624	5B19020	0.35	2.0	ND	1	02/19/05	02/19/05			
cis-1,3-Dichloropropene	EPA 624	5B19020	0.22	2.0	ND	1	02/19/05	02/19/05			
trans-1,3-Dichloropropene	EPA 624	5B19020	0.24	2.0	ND	1	02/19/05	02/19/05			
Ethylbenzene	EPA 624	5B19020	0.25	2.0	ND	1	02/19/05	02/19/05			
Methylene chloride	EPA 624	5B19020	0.48	5.0	1.3	1	02/19/05	02/19/05	J	J	DNQ
1,1,2,2-Tetrachloroethane	EPA 624	5B19020	0.24	2.0	ND	1	02/19/05	02/19/05		U	
Tetrachloroethene	EPA 624	5B19020	0.32	2.0	ND	1	02/19/05	02/19/05			
Toluene	EPA 624	5B19020	0.36	2.0	ND	1	02/19/05	02/19/05			
1,1,1-Trichloroethane	EPA 624	5B19020	0.30	2.0	ND	1	02/19/05	02/19/05			
1,1,2-Trichloroethane	EPA 624	5B19020	0.30	2.0	ND	1	02/19/05	02/19/05			
Trichloroethene	EPA 624	5B19020	0.26	2.0	ND	1	02/19/05	02/19/05			
Trichlorofluoromethane	EPA 624	5B19020	0.34	5.0	ND	1	02/19/05	02/19/05			
Vinyl chloride	EPA 624	5B19020	0.26	0.50	ND	1	02/19/05	02/19/05			
Xylenes, Total	EPA 624	5B19020	0.52	4.0	ND	1	02/19/05	02/19/05			
Surrogate: Dibromofluoromethane (80-120%)					*98 %*						
Surrogate: Toluene-d8 (80-120%)					*102 %*						
Surrogate: 4-Bromofluorobenzene (80-120%)					*97 %*						

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Annual Outfall 004

Report Number: IOB1556

Sampled: 02/18/05
Received: 02/18/05

DRAFT: PURGEABLES BY GC/MS (EPA 624)

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Rev Qual	Qual code
Sample ID: IOB1556-01 (DRAFT: Outfall 004 - Water)											
Reporting Units: ug/l											
Acrolein	EPA 624	5B19020	4.6	50	ND	1	02/19/05	02/19/05		R	R
Acrylonitrile	EPA 624	5B19020	5.1	50	ND	1	02/19/05	02/19/05		U	
2-Chloroethyl vinyl ether	EPA 624	5B19020	1.3	5.0	ND	1	02/19/05	02/19/05		U	
Surrogate: Dibromofluoromethane (80-120%)					*98 %*						
Surrogate: Toluene-d8 (80-120%)					*103 %*						
Surrogate: 4-Bromofluorobenzene (80-120%)					*98 %*						
Sample ID: IOB1556-02 (DRAFT: Trip Blanks - Water)											
Reporting Units: ug/l											
Acrolein	EPA 624	5B19020	4.6	50	ND	1	02/19/05	02/19/05		R	R
Acrylonitrile	EPA 624	5B19020	5.1	50	ND	1	02/19/05	02/19/05		U	
2-Chloroethyl vinyl ether	EPA 624	5B19020	1.3	5.0	ND	1	02/19/05	02/19/05		U	
Surrogate: Dibromofluoromethane (80-120%)					*98 %*						
Surrogate: Toluene-d8 (80-120%)					*102 %*						
Surrogate: 4-Bromofluorobenzene (80-120%)					*97 %*						

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LEVEL IV

CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Laboratory Del Mar
Reviewer M. Pokorny
Analysis/Method Semivolatiles

Package ID T711SV34
Task Order 313150010
SDG No. IOB1556
No. of Analyses 1

Date: March 30, 2005
Reviewer's Signature

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications were required for calibration, LCS, and internal standard outliers.
Holding Times	
GC/MS Tune/Inst. Perform	
Calibrations	
Blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification and Quantitation	
System Performance	

COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.

[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

Data Qualifier Reference Table

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quanti–tation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified; the associated numerical value is the approx-imate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evi-dence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value repre-sents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the re-ported sample quantitation limit. However, the reported quantitation limit is approx-imate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or may not be present).

Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D were noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) or calibration blank.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination from trip blank.	Not applicable.
+	False positive – reported compound was not present. Not applicable.	
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination from FB, or ER.	Presumed contamination from FB or ER.
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
DNQ	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.

*#	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).

DATA VALIDATION REPORT

NPDES Monitoring

ANALYSIS: SEMIVOLATILES

SAMPLE DELIVERY GROUP: IOB1556

Prepared by

AMEC Denver Operations
550 South Wadsworth Boulevard, Suite 500
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010
SDG#:	IOB1556
Project Manager:	B. McIlvaine
Matrix:	Water
Analysis:	Semivolatiles
QC Level:	Level IV
No. of Samples:	1
No. of Reanalyses/Dilutions:	0
Reviewer:	M. Pokorny
Date of Review:	March 30, 2005

The samples listed in Table 1 were validated based on the guidelines outlined in the *AMEC Data Validation Procedure for Levels C and D Semivolatile Organics (DVP-3, Rev. 2), EPA Method 625,* and the *National Functional Guidelines For Organic Data Review* (2/94). Any deviations from these procedures are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample identification

Client ID	EPA ID	Lab No.	Matrix	Method
Outfall 004	Outfall 004	IOB1556-01	water	625

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

The sample in this SDG was received at the laboratory within the temperature limits of 4°C ±2°C, at 2°C. The analysis did not require preservation, and no preservation was noted in the field. The COC noted that the sample was received intact. No qualifications were required.

2.1.2 Chain of Custody

The COC was signed and dated by both field and laboratory personnel. The COC accounted for the analysis presented in this SDG. As the sample was couriered directly to the laboratory, custody seals were not required. No qualifications were required.

2.1.3 Holding Times

The water sample was extracted within seven days of collection and analyzed within 40 days of collection. No qualifications were required.

2.2 GC/MS TUNING

The DFTPP tunes met the criteria specified in Method 625, and the sample was analyzed within 12 hours of the DFTPP injection time. No qualifications were required.

2.3 CALIBRATION

The initial calibration associated with this SDG was dated 02/25/05. The average RRFs for were ≥0.05 and the %RSDs were ≤35% or r^2 ≥0.995 for all target compounds except for the r^2 benzoic acid. Benzoic acid was qualified as an estimated nondetect, "UJ," in the sample of this SDG. A representative number of average RRFs and %RSDs were checked from the raw data, and no calculation or transcription errors were noted. The continuing calibration associated with the sample analysis was analyzed 02/25/05. The RRFs for all target compounds were ≥0.05, and the %Ds were ≤20%, except for the %Ds for 2,4-dinitrophenol and 4,6-dinitro-2-methylphenol. 2,4-Dinitrophenol and 4,6-dinitro-2-methylphenol were qualified as estimated nondetects, "UJ," in the sample of this SDG. A representative number of RRFs and %Ds were checked from the raw data, and no calculation or transcription errors were noted. No further qualifications were required.

2.4 BLANKS

One method blank (5B22043-BLK1) was extracted and analyzed with this SDG. No target compounds were reported in the method blank. Review of the raw data indicated no reportable false negatives or false positives.

2.5 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

One blank spike/ blank spike duplicate pair (5B22043-BS1/BSD1) was extracted and analyzed with this SDG. For blank spike/blank spike duplicate pairs, qualifications are applied, if necessary, to the associated samples based on those recoveries consistently outside of the laboratory-established QC limits in both the blank spike and blank spike duplicate. Results for those compounds with recoveries not consistent within the pair, with RPDs above the QC limit, are qualified as estimated, "UJ," for nondetects, and "J," for detects, in the associated samples. All percent recoveries and RPDs were within the laboratory QC limits except for benzidine. Benzidine was not recovered in the BSD and its RPD exceeded the control limit. The sample of this SDG had benzidine qualified as an estimated nondetect, "UJ." A representative number of recoveries and RPDs were calculated from the raw data and no calculation or transcription errors were found. No further qualifications were required.

2.6 SURROGATE RECOVERY

The sample surrogate recoveries were within the laboratory QC limits. A representative number of recoveries were calculated from the raw data, and no transcription or calculation errors were noted. No qualifications were required.

2.7 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

No MS/MSD analyses were associated with this SDG. Evaluation of method accuracy and precision was based on blank spike/blank spike duplicate results. No qualifications were required.

2.8 FIELD QC SAMPLES

Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

2.8.1 Field Blanks and Equipment Rinsates

There were no field QC samples associated with this SDG. No qualifications were required.

2.8.2 Field Duplicates

There were no field duplicate samples associated with this SDG.

2.9 INTERNAL STANDARDS PERFORMANCE

The internal standard area counts and retention times were within the control limits established by the continuing calibration standards: -50%/+100% for internal standard areas and ±30 seconds for retention times except for the area count below the QC limits for perylene-d12. The target compounds associated with perylene-d12 were qualified as estimated nondetects, "UJ,"

in the sample of this SDG. A representative number of recoveries were checked from the raw data, and no transcription or calculation errors were noted. No qualifications were required.

2.10 COMPOUND IDENTIFICATION

The laboratory analyzed for the semivolatile target compounds by EPA Method 625. Review of the sample chromatogram, retention times, and spectra indicated no problems with target compound identification. No qualifications were required.

2.11 COMPOUND QUANTIFICATION AND REPORTED DETECTION LIMITS

Compound quantification is verified at a Level IV data validation. No calculation or transcription errors were found. The reporting limits were supported by the low level of the initial and the method detection limit study. No qualifications were required.

2.12 TENTATIVELY IDENTIFIED COMPOUNDS

TICs were not reported by the laboratory for this SDG. No qualifications were required.

2.13 SYSTEM PERFORMANCE

Review of the raw data indicated no problems with system performance. No qualifications were required.

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Annual Outfall 004
Report Number 1OB1556

Sampled: 02/18/05
Received: 02/18/05

DRAFT: ACID & BASE/NEUTRALS BY GC/MS (EPA 625)

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	RtV QUAL	QUAL CODE
Sample ID: 1OB1556-01 (DRAFT: Outfall 004 - Water)											
Reporting Units: ug/l											
Acenaphthene	EPA 625	5B22043	4.3	10	ND	0.966	02/22/05	02/25/05		U	
Acenaphthylene	EPA 625	5B22043	3.2	10	ND	0.966	02/22/05	02/25/05			
Aniline	EPA 625	5B22043	2.9	10	ND	0.966	02/22/05	02/25/05			
Anthracene	EPA 625	5B22043	3.2	10	ND	0.966	02/22/05	02/25/05			
Benzidine	EPA 625	5B22043	5.2	20	ND	0.966	02/22/05	02/25/05		UJ	L2 *5
Benzoic acid	EPA 625	5B22043	2.6	20	ND	0.966	02/22/05	02/25/05		UJ	C
Benzo(a)anthracene	EPA 625	5B22043	3.7	10	ND	0.966	02/22/05	02/25/05		U	
Benzo(b)fluoranthene	EPA 625	5B22043	2.7	10	ND	0.966	02/22/05	02/25/05		UJ	I
Benzo(k)fluoranthene	EPA 625	5B22043	3.4	10	ND	0.966	02/22/05	02/25/05			
Benzo(g,h,i)perylene	EPA 625	5B22043	5.3	10	ND	0.966	02/22/05	02/25/05			
Benzo(a)pyrene	EPA 625	5B22043	3.5	10	ND	0.966	02/22/05	02/25/05			
Benzyl alcohol	EPA 625	5B22043	2.5	20	ND	0.966	02/22/05	02/25/05		U	
Bis(2-chloroethoxy)methane	EPA 625	5B22043	3.9	10	ND	0.966	02/22/05	02/25/05			
Bis(2-chloroethyl)ether	EPA 625	5B22043	4.4	10	ND	0.966	02/22/05	02/25/05			
Bis(2-chloroisopropyl)ether	EPA 625	5B22043	4.6	10	ND	0.966	02/22/05	02/25/05			
Bis(2-ethylhexyl)phthalate	EPA 625	5B22043	5.2	50	ND	0.966	02/22/05	02/25/05			
4-Bromophenyl phenyl ether	EPA 625	5B22043	4.6	10	ND	0.966	02/22/05	02/25/05			
Butyl benzyl phthalate	EPA 625	5B22043	3.5	20	ND	0.966	02/22/05	02/25/05			
4-Chloroaniline	EPA 625	5B22043	6.0	10	ND	0.966	02/22/05	02/25/05			
2-Chloronaphthalene	EPA 625	5B22043	4.0	10	ND	0.966	02/22/05	02/25/05			
4-Chloro-3-methylphenol	EPA 625	5B22043	3.5	20	ND	0.966	02/22/05	02/25/05			
2-Chlorophenol	EPA 625	5B22043	4.2	10	ND	0.966	02/22/05	02/25/05			
4-Chlorophenyl phenyl ether	EPA 625	5B22043	3.0	10	ND	0.966	02/22/05	02/25/05			
Chrysene	EPA 625	5B22043	2.8	10	ND	0.966	02/22/05	02/25/05			
Dibenz(a,h)anthracene	EPA 625	5B22043	4.7	20	ND	0.966	02/22/05	02/25/05		UJ	I
Dibenzofuran	EPA 625	5B22043	2.6	10	ND	0.966	02/22/05	02/25/05		U	
Di-n-butyl phthalate	EPA 625	5B22043	2.8	20	ND	0.966	02/22/05	02/25/05			
1,3-Dichlorobenzene	EPA 625	5B22043	4.1	10	ND	0.966	02/22/05	02/25/05			
1,4-Dichlorobenzene	EPA 625	5B22043	3.9	10	ND	0.966	02/22/05	02/25/05			
1,2-Dichlorobenzene	EPA 625	5B22043	4.5	10	ND	0.966	02/22/05	02/25/05			
3,3-Dichlorobenzidine	EPA 625	5B22043	11	20	ND	0.966	02/22/05	02/25/05			
2,4-Dichlorophenol	EPA 625	5B22043	4.1	10	ND	0.966	02/22/05	02/25/05			
Diethyl phthalate	EPA 625	5B22043	3.1	10	ND	0.966	02/22/05	02/25/05			
2,4-Dimethylphenol	EPA 625	5B22043	4.4	20	ND	0.966	02/22/05	02/25/05			
Dimethyl phthalate	EPA 625	5B22043	3.6	10	ND	0.966	02/22/05	02/25/05			
4,6-Dinitro-2-methylphenol	EPA 625	5B22043	5.1	20	ND	0.966	02/22/05	02/25/05		J	C
2,4-Dinitrophenol	EPA 625	5B22043	5.3	20	ND	0.966	02/22/05	02/25/05		J	C
2,4-Dinitrotoluene	EPA 625	5B22043	4.2	10	ND	0.966	02/22/05	02/25/05			
2,6-Dinitrotoluene	EPA 625	5B22043	3.2	10	ND	0.966	02/22/05	02/25/05			
Di-n-octyl phthalate	EPA 625	5B22043	4.7	20	ND	0.966	02/22/05	02/25/05			
Fluoranthene	EPA 625	5B22043	4.2	10	ND	0.966	02/22/05	02/25/05			

DRAFT REPORT
DRAFT REPORT
DATA SUBJECT TO CHANGE

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LEVEL IV

Del Mar Analytical

17461 Derian Ave , Suite 100, Irvine, CA 92614 (949) 261-1022 FAX (949) 260-3297
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9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-8596 FAX (858) 505-9689
9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Annual Outfall 004
Report Number: IOB1556

Sampled: 02/18/05
Received: 02/18/05

DRAFT: ACID & BASE/NEUTRALS BY GC/MS (EPA 625)

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	QUAL CODE
Sample ID: IOB1556-01 (DRAFT: Outfall 004 - Water) - cont.									REV QUAL	
Reporting Units: ug/l										
Fluorene	EPA 625	5B22043	3.9	10	ND	0.966	02/22/05	02/25/05	U	
Hexachlorobenzene	EPA 625	5B22043	4.8	10	ND	0.966	02/22/05	02/25/05		
Hexachlorobutadiene	EPA 625	5B22043	4.2	10	ND	0.966	02/22/05	02/25/05		
Hexachlorocyclopentadiene	EPA 625	5B22043	3.4	20	ND	0.966	02/22/05	02/25/05		
Hexachloroethane	EPA 625	5B22043	4.2	10	ND	0.966	02/22/05	02/25/05		
Indeno(1,2,3-cd)pyrene	EPA 625	5B22043	5.4	20	ND	0.966	02/22/05	02/25/05	UJ	I
Isophorone	EPA 625	5B22043	3.7	10	ND	0.966	02/22/05	02/25/05	U	
2-Methylnaphthalene	EPA 625	5B22043	3.0	10	ND	0.966	02/22/05	02/25/05		
2-Methylphenol	EPA 625	5B22043	3.7	10	ND	0.966	02/22/05	02/25/05		
4-Methylphenol	EPA 625	5B22043	3.8	10	ND	0.966	02/22/05	02/25/05		
Naphthalene	EPA 625	5B22043	4.5	10	ND	0.966	02/22/05	02/25/05		
2-Nitroaniline	EPA 625	5B22043	3.9	20	ND	0.966	02/22/05	02/25/05		
3-Nitroaniline	EPA 625	5B22043	4.5	20	ND	0.966	02/22/05	02/25/05		
4-Nitroaniline	EPA 625	5B22043	4.9	20	ND	0.966	02/22/05	02/25/05		
Nitrobenzene	EPA 625	5B22043	4.2	20	ND	0.966	02/22/05	02/25/05		
2-Nitrophenol	EPA 625	5B22043	4.2	10	ND	0.966	02/22/05	02/25/05		
4-Nitrophenol	EPA 625	5B22043	6.6	20	ND	0.966	02/22/05	02/25/05		
N-Nitrosodiphenylamine	EPA 625	5B22043	4.0	10	ND	0.966	02/22/05	02/25/05		
N-Nitroso-di-n-propylamine	EPA 625	5B22043	3.6	10	ND	0.966	02/22/05	02/25/05		
Pentachlorophenol	EPA 625	5B22043	4.0	20	ND	0.966	02/22/05	02/25/05		
Phenanthrene	EPA 625	5B22043	3.3	10	ND	0.966	02/22/05	02/25/05		
Phenol	EPA 625	5B22043	4.0	10	ND	0.966	02/22/05	02/25/05		
Pyrene	EPA 625	5B22043	3.9	10	ND	0.966	02/22/05	02/25/05		
1,2,4-Trichlorobenzene	EPA 625	5B22043	4.4	10	ND	0.966	02/22/05	02/25/05		
2,4,5-Trichlorophenol	EPA 625	5B22043	3.6	20	ND	0.966	02/22/05	02/25/05		
2,4,6-Trichlorophenol	EPA 625	5B22043	4.1	20	ND	0.966	02/22/05	02/25/05		
1,2-Diphenylhydrazine/Azobenzene	EPA 625	5B22043	5.0	20	ND	0.966	02/22/05	02/25/05		
N-Nitrosodimethylamine	EPA 625	5B22043	3.7	20	ND	0.966	02/22/05	02/25/05		
Surrogate: 2-Fluorophenol (35-120%)					*68 %*					
Surrogate: Phenol-d6 (45-120%)					*75 %*					
Surrogate: 2,4,6-Tribromophenol (50-125%)					*84 %*					
Surrogate: Nitrobenzene-d5 (45-120%)					*76 %*					
Surrogate: 2-Fluorobiphenyl (45-120%)					*80 %*					
Surrogate: Terphenyl-d14 (45-135%)					*115 %*					

QUAL CODE

DRAFT REPORT
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DATA SUBJECT TO CHANGE

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AMEC VALIDATED

LEVEL IV

CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Package ID T711RA5
Task Order 313150010
SDG No. Multiple
No. of Analyses 8

Laboratory Eberline
Reviewer P. Meeks
Analysis/Method Radionuclides

Date: 03/28/05
Reviewer's Signature
P. Meeks

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications applied for:
	1. Detector efficiency outliers.
	2. Exceeded holding imtes.
Holding Times	
GC/MS Tune/Inst. Performance	
Calibrations	
Blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification and Quantitation	
System Performance	

COMMENTS[b]

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.

[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

Data Qualifier Reference Table

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quanti–tation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified; the associated numerical value is the approx-imate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evi-dence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value repre-sents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the re-ported sample quantitation limit. However, the reported quantitation limit is approx-imate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or may not be present).

Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D were noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) or calibration blank.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination from trip blank.	Not applicable.
+	False positive – reported compound was not present. Not applicable.	
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination from FB, or ER.	Presumed contamination from FB or ER.
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
DNQ	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.

*#	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).

DATA VALIDATION REPORT

NPDES
Monitoring

ANALYSIS: RADIONUCLIDES

SAMPLE DELIVERY GROUPS:
IOB1556, IOB1557, IOB1559, IOB1570, IOB1571, IOB1576

Prepared by

AMEC—Denver Operations
550 South Wadsworth Boulevard, Suite 500
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010
SDG#:	IOB1556, IOB1557, IOB1559, IOB1570, IOB1571, IOB1576
Project Manager:	B. McIlvaine
Matrix:	Water
Analysis:	Radionuclides
QC Level:	Level IV
No. of Samples:	8
No. of Reanalyses/Dilutions:	0
Reviewer:	P. Meeks
Date of Review:	March 24, 2005

The samples listed in Table 1 were validated based on the guidelines outlined in the *EPA Prescribed Procedures for Measurements of Radioactivity in Drinking Water, Methods 900.0, 905.0, and 906.0,* and validation procedures outlined in the *USEPA CLP National Functional Guidelines for Inorganic Data Review* (2/94). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample identification

Client ID	Del Mar ID	Eberline ID	Matrix	COC Method
Outfall 004	IOB1556-01	8289-001	water	900.0, 905.0, 906.0
Outfall 005	IOB1557-01	8290-001	water	900.0, 905.0, 906.0
Outfall 006	IOB1559-01	8291-001	water	900.0, 905.0, 906.0
Outfall 018	IOB1570-01	8292-001	water	900.0, 905.0, 906.0
Outfall 003	IOB1571-01	8293-001	water	900.0, 905.0, 906.0
Outfall 003 Filtered	IOB1576-01	8294-001	water	900.0, 903.1, 904.0, 905.0, 906.0
Outfall 003 Unfiltered	IOB1576-02	8294-002	water	900.0, 903.1, 904.0, 905.0, 906.0
Outfall 003 Substrate	IOB1576-03	8295-001	solid	901.1

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

All the samples in these SDGs were received at Del Mar Analytical within the temperature limits of 4±2°C. No temperature information was provided by Eberline, the subcontract laboratory; however, as it is not necessary to chill radiological samples, no qualifications were required. The samples were noted to have been received intact and in good condition. All tritium samples were received unpreserved in glass containers. All gross alpha, gross beta, and strontium samples were preserved, except for the Outfall 003 samples in SDG IOB1556. Outfall 003 Filtered, was filtered by Eberline and then preserved. Outfall 003 Unfiltered was not preserved. According to the Los Angeles Water Quality Control Board (LARWQCB) guidance letter dated 01/12/05, unfiltered samples should not be preserved. No qualifications were required.

2.1.2 Chain of Custody

The original COCs were signed and dated by field and laboratory personnel. The transfer COCs were signed by personnel from both laboratories, except for the COC listing Outfall 003 in SDG IOB1571, which was not signed as received by Eberline. Eberline did not list the MWH IDs on the Form Is; therefore, the reviewer edited the Form Is to reflect these IDs. No qualifications were required.

2.1.3 Holding Times

All the tritium and all the preserved gross alpha, gross beta, and strontium samples were analyzed within 180 days of collection. The Outfall 003 Unfiltered gross alpha, gross beta, strontium,, radium-226, and radium-228 analyses were performed beyond the five day holding time for unpreserved samples; therefore, these results were qualified as estimated, "J." No further qualifications were necessary.

2.2 CALIBRATION

The laboratory calibration information included the standard certificates and applicable preparation/dilutions logs for NIST-traceability.

Gross Alpha and Gross Beta

The initial calibration included with the data was performed in February 2003. The detector efficiencies for Outfall 006, Outfall 018, Outfall 003, Outfall 003 Filtered, and Outfall 003 Unfiltered were less than 20%; therefore, these results were qualified as estimated, "UJ," for nondetects and, "J," for detects. The remaining detector efficiencies were above 20%.

Tritium

No calibration standards were analyzed for this method. According to the laboratory, every sample was spiked for efficiency determination; therefore, no calibration is necessary. All detector efficiencies in the samples were at least 20% and were considered acceptable. All internal spike efficiency to default efficiency ratios were near 1, indicating that quenching did not occur.

Strontium-90

The initial calibrations were performed in June 1995. All strontium chemical yields were at least 80% and were considered acceptable. The strontium continuing calibration results were within the laboratory control limits. No qualifications were necessary.

Cesium

The reviewer confirmed that the 662 KeV peak was used for quantitation, with a branch efficiency of 85%. No qualifications were necessary.

Radium

The radium-226 cell efficiencies were determined in May 2004. The radium-226 continuing calibration results were within the laboratory-established control limits. The radium-228 calibration utilized actinium-288 and was verified in February 2001. The radium-228 tracer, barium-133, was calibrated in March 2004. The tracer chemical yields were greater than 70% and the actinium chemical yields were greater than 50%. No qualifications were necessary.

2.3 BLANKS

No measurable activities were detected in the method blanks; therefore, no qualifications were necessary.

2.4 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

Four blank spikes (8294-002, 8295-002, 8263-002, 8268-002) were analyzed in association with the samples in these SDGs. The radium-228 recovery was outside the 3-sigma limits; however, the recovery was considered acceptable at 125%. All remaining blank spike results were within the 3-sigma limits. No qualifications were necessary.

2.5 LABORATORY DUPLICATES

The laboratory performed duplicate analysis on Outfall 003 Filtered and Outfall 003 Substrate. All results were within the 3-sigma limits and all RPDs were ≤20%. No qualifications were necessary.

2.6 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

The laboratory performed matrix spike analyses on Outfall 003 Unfiltered for gross alpha, gross beta, and tritium. The recovery for gross alpha was above 3-sigma; however, as the recovery of 118% was considered acceptable, no qualifications were required. The remaining recoveries were within the 3-sigma limits. No qualifications were necessary.

2.7 SAMPLE RESULT VERIFICATION

An EPA Level IV review was performed for the samples in these data packages. Sample results and MDAs reported on the sample result forms were verified against the raw data and no calculation or transcription errors were noted. No qualifications were necessary.

2.8 FIELD QC SAMPLES

Field QC samples were evaluated, and if necessary, qualified based only on laboratory blanks. Any remaining detects are used to evaluate the associated samples.

2.8.1 Field Blanks and Equipment Rinsates

The samples in these SDGs had no associated field QC samples. No qualifications were required.

2.8.2 Field Duplicates

There were no field duplicate samples in these SDGs.

Eberline Services

ANALYSIS RESULTS

SDG 8294	Client DEL MAR ANAL
Work Order R502215-01	Contract PROJECT# IOB1576
Received Date 02/23/05	Matrix WATER

Client Sample ID	Lab Sample ID	Collected	Analyzed	Nuclide	Results ± 2σ	Units	MDA	Rw Qual	Qual Code
Outfall 003 Filtered									
IOB1576-01	8294-001	02/18/05	03/08/05	GrossAlpha	0.904 ± 0.74	pCi/L	1.00	UJ	R
			03/08/05	Gross Beta	3.32 ± 1.2	pCi/L	1.79		
			04/22/05	Ra228	0.746 ± 0.36	pCi/L	0.776	U	
			03/12/05	H3	-41.9 ± 150	pCi/L	254	U	
			05/06/05	Ra226	0.017 ± 0.023	pCi/L	0.039	U	
			03/12/05	Sr90	0.901 ± 0.24	pCi/L	0.280		
Outfall 003 Unfiltered									
IOB1576-02	8294-002	02/18/05	03/08/05	GrossAlpha	1.42 ± 0.93	pCi/L	1.19	UJ	H, R
			03/08/05	Gross Beta	3.75 ± 1.2	pCi/L	1.78	J	H
			04/22/05	Ra228	1.14 ± 0.36	pCi/L	0.742	J	H
			03/12/05	H3	-77.0 ± 140	pCi/L	255	U	
			05/05/05	Ra226	0.109 ± 0.024	pCi/L	0.026	J	H
			03/12/05	Sr90	0.892 ± 0.22	pCi/L	0.253	J	H

MM 5/15/05

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LEVEL IV

Certified by

Report Date 05/10/05

Page 1

Eberline Services

ANALYSIS RESULTS

SDG 8289 | Client DEL MAR ANAL
Work Order R502210-01 | Contract PROJECT# IOB1556
Received Date 02/23/05 | Matrix WATER

Client Sample ID	Lab Sample ID	Collected	Analyzed	Nuclide	Results ± 2σ	Units	MDA	Rev Qual	Qual Code
Outfall 004									
IOB1556-01	8289-001	02/18/05	03/08/05	GrossAlpha	0.309 ± 0.49	pCi/L	0.796	U	
			03/08/05	Gross Beta	2.21 ± 1.2	pCi/L	1.76		
			03/12/05	H3	0 ± 150	pCi/L	257	U	
			03/12/05	Sr90	0.333 ± 0.22	pCi/L	0.285		

MM 3/24/05

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Report Date 03/15/05

Eberline Services

ANALYSIS RESULTS

SDG 8291 | Client DEL MAR ANAL
Work Order R502212-01 | Contract PROJECT# IOB1559
Received Date 02/23/05 | Matrix WATER

Client Sample ID	Lab Sample ID	Collected	Analyzed	Nuclide	Results ± 2σ	Units	MDA	Rev Qual	Qual Code
outfall 006									
IOB1559-01	8291-001	02/18/05	03/08/05	GrossAlpha	3.92 ± 1.5	pCi/L	1.34	J	H R
			03/08/05	Gross Beta	9.00 ± 1.6	pCi/L	1.82		
			03/12/05	H3	14.2 ± 150	pCi/L	259	U	
			03/12/05	Sr90	-0.081 ± 0.29	pCi/L	0.335	U	

pm 3/24/05

pm 4/18/05

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Certified by
Report Date 03/15/05

Eberline Services

ANALYSIS RESULTS

SDG 8290 | Client DEL MAR ANAL
Work Order R502211-01 | Contract PROJECT# IOB1557
Received Date 02/23/05 | Matrix WATER

Client Sample ID	Lab Sample ID	Collected	Analyzed	Nuclide	Results ± 2σ	Units	MDA	Rev Qual	Qual Code
Outfall 005									
IOB1557-01	8290-001	02/18/05	03/08/05	GrossAlpha	-0.252 ± 0.33	pCi/L	0.862	U	
			03/08/05	Gross Beta	1.75 ± 1.2	pCi/L	1.87	U	
			03/12/05	H3	-3.55 ± 150	pCi/L	258	U	
			03/12/05	Sr90	-0.029 ± 0.24	pCi/L	0.308	U	

MM 3/24/05

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Report Date 03/15/05

Eberline Services

ANALYSIS RESULTS

SDG 8293 | Client DEL MAR ANAL
Work Order R502214-01 | Contract PROJECT# IOB1571
Received Date 02/23/05 | Matrix WATER

Client Sample ID	Lab Sample ID	Collected	Analyzed	Nuclide	Results ± 2σ	Units	MDA	Rev Qual	Qual Code
Outfall 003									
IOB1571-01	8293-001	02/18/05	03/08/05	GrossAlpha	0.651 ± 1.1	pCi/L	1.90	UJ	R
pm 3/24/05			03/08/05	Gross Beta	4.58 ± 1.4	pCi/L	1.97		
			03/13/05	H3	10.7 ± 150	pCi/L	258	U	
			03/12/05	Sr90	1.06 ± 0.23	pCi/L	0.261		

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Report Date 03/15/05

Eberline Services

ANALYSIS RESULTS

SDG 8292
Work Order R502213-01
Received Date 02/23/05

Client DEL MAR ANAL
Contract PROJECT# IOB1570
Matrix WATER

Client Sample ID	Lab Sample ID	Collected	Analyzed	Nuclide	Results ± 2σ	Units	MDA	Rev Qual	Qual Code
Outfall 018									
IOB1570-01	8292-001	02/18/05	03/08/05	GrossAlpha	1.82 ± 1.0	pCi/L	1.11	J	R
			03/08/05	Gross Beta	3.97 ± 1.3	pCi/L	1.84		
MM 3/24/05			03/12/05	H3	-31.5 ± 150	pCi/L	254	U	
			03/12/05	Sr90	-0.052 ± 0.21	pCi/L	0.278	U	

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Report Date 03/15/05

Eberline Services

ANALYSIS RESULTS

SDG 8295 | Client DEL MAR ANAL
Work Order R502216-01 | Contract PROJECT# IOB1576
Received Date 02/23/05 | Matrix SOLID

Client Sample ID	Lab Sample ID	Collected	Analyzed	Nuclide	Results ± 2σ	Units	MDA	Rev Qual	Qual Code
Outfall 003 Substrate									
IOB1576-03	8295-001	02/18/05	03/04/05	Cs137 (G)	U	pCi/Smpl	14.4	U	

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Certified by [signature]
Report Date 03/15/05
Page 1

CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Package ID T711PP19
Task Order 313150010
SDG No. IOB1556
No. of Analyses 1

Laboratory Del Mar Analytical
Reviewer K. Shadowlight
Analysis/Method Pesticides

Date March 30, 2005
Reviewer's Signature K Shadowlight

ACTION ITEMS[a]	
1. **Case Narrative**	
Deficiencies	
2. **Out of Scope**	
Analyses	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy**	
Deliverables	
5. **Incorrect Hardcopy**	
Deliverables	
6. **Deviations from Analysis**	Qualifications were assigned for %D continuing calibration outliers
Protocol, e.g.,	
Holding Times	
GC/MS Tune/Inst. Perform	
Calibrations	
Blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification and	
Quantitation	
System Performance	

COMMENTS[b]
Acceptable as reviewed.

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

Data Qualifier Reference Table

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or may not be present).

Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D were noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) or calibration blank.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination from trip blank.	Not applicable.
+	False positive – reported compound was not present. Not applicable.	
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination from FB, or ER.	Presumed contamination from FB or ER.
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
DNQ	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.

*#	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).

DATA VALIDATION REPORT

NPDES Monitoring

ANALYSIS: PESTICIDES/PCBs

SAMPLE DELIVERY GROUP: IOB1556

Prepared by

AMEC Denver Operations
550 South Wadsworth Boulevard, Suite 500
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010
SDG#:	IOB1556
Project Manager:	B. McIlvaine
Matrix:	Water
Analysis:	Pesticides/PCBs
QC Level:	Level IV
No. of Samples:	1
No. of Reanalyses/Dilutions:	0
Reviewer:	K. Shadowlight
Date of Review:	March 30, 2005

The samples listed in Table 1 were validated based on the general guidelines outlined in the *AMEC Data Validation Procedures (DVP-4, Rev.2)*, *EPA Method 608*, and the *National Functional Guidelines For Organic Data Review* (2/94). Any deviations from these procedures are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the summary form as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample identification

Client ID	EPA ID	Laboratory ID	Matrix	Method
Outfall 004	Outfall 004	IOB1556-01	water	608

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

The following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The cooler was received at the laboratory within the temperature limits of 4°C ±2°C. The analysis did not require preservation, and no preservation was noted in the field. The COC noted that the samples were received intact. No qualifications were required.

2.1.2 Chain of Custody

The COC was signed and dated by both field and laboratory personnel. The COC accounted for the analysis presented in this SDG. As the sample was couriered directly to the laboratory, custody seals were not required. No qualifications were required.

2.1.3 Holding Times

The water sample was extracted within seven days of sample collection and analyzed within 40 days of extraction. No qualifications were required.

2.2 PESTICIDES INSTRUMENT PERFORMANCE

No resolution check standards or breakdown check standards are required by Method 608 for pesticides, and according to the raw data provided, a resolution check standard was not analyzed by the laboratory. The laboratory did analyze a breakdown check standard with a breakdown of ≤20% for individual components (4,4-DDT and endrin) and ≤30% for the total, as suggested in the National Functional Guidelines. A review of the raw data indicated that the analytical run time was of sufficient length to provide adequate standard separation. The two analytical columns used in the analyses were within the guidelines specified in the methods.

According to the laboratory SOP and the initial calibration raw data, the retention time windows are ±0.10 minutes for both surrogates and target compound calibration standards. A review of the raw data indicated that the laboratory retention time criteria were met for the surrogates and pesticide calibration standards. No qualifications were required.

2.3 CALIBRATION

2.3.1 Analytical Sequence

Based on the data provided, the analytical sequences were in accordance with the requirements of Method 608. No qualifications were required.

2.3.2 Initial Calibration

There was one initial calibration dated 02/23/05 associated with the pesticide analysis of this SDG, which consisted of six point calibrations for all pesticide target compounds on two analytical columns. The %RSDs were within the EPA Method 608 QC limit of ≤10% or the r^2 values were ≥0.995 on both analytical columns. There was one initial calibration dated 02/11/05 associated with the PCB analysis in this SDG which consisted of five points for Aroclor 1016 and Aroclor 1260. Single point calibrations for Aroclor 1242, Aroclor 1248, and Aroclor 1254 were also analyzed. The average %RSDs for the individual peaks of Aroclor 1016 and Aroclor 1260 were ≤10% or the r^2 values were ≥0.995 on both analytical columns. An ICV was analyzed immediately following each of the initial calibrations. The %Ds for all target compounds were within the QC limits of 15% on both analytical columns. A representative number of %RSDs and ICV %Ds were recalculated from the raw data and no transcription or calculation errors were noted. No qualifications were required.

2.3.3 Continuing Calibration

The continuing calibrations associated with sample Outfall 004 were bracketed by four continuing calibrations, two preceding and two following the analyses. The %Ds for heptachlor, endrin, and 4,4'-DDD exceeded 15% in both analytical columns (Channels A and B) in the calibration analyzed 02/23/05 (12:42 p.m.) and the %Ds for alpha-BHC, gamma-BHC, and 4,4'-DDE exceeded 15% on the primary column only (Channel A) in the calibration analyzed 02/23/05 (01:14 p.m.); therefore, the aforementioned target compounds were qualified as estimated, "UJ," in Outfall 004. Target compounds alpha-BHC, gamma-BHC, delta-BHC, 4,4'-DDT, and methoxyclor exceeded 15% on the confirmation column (Channel B); however, as all results were reported from Channel A (primary column), no further qualifications were applied to the pesticide analysis.

The remaining %Ds were within the Method QC limit of ±15% for the remaining calibrations. The PCB analysis for this SDG was bracketed by two CCVs and the %Ds for Aroclor 1016 and Aroclor 1260 were ≤15%. A representative number of %Ds were recalculated from the raw data and no transcription or calculation errors were noted.

No further qualifications were required.

2.4 BLANKS

2.4.1 Instrument Blanks

An instrument blank was analyzed at the beginning of each analytical sequence. Cross-contamination was not evident in the samples. No qualifications were necessary.

2.4.2 Method Blanks

One water method blank (5B22041-BLK1) was extracted and analyzed with this SDG. There were no pesticide target compounds or Aroclors detected in the method blank. Review of the chromatograms showed no false negatives. No qualifications were required.

2.5 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

One blank spike/blank spike duplicate pair (5B22041-BS1/BSD1) was extracted and analyzed with this SDG. The recoveries for all spiked pesticide target compounds and Aroclors were within the laboratory-established QC limits and the RPDs were ≤30%. A representative number of recoveries were checked from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

2.6 SURROGATE RECOVERY

The sample and all QC samples were fortified with the surrogate compounds decachlorobiphenyl and tetrachloro-m-xylene. Surrogate recoveries for the pesticide and PCB analyses of the samples were within the laboratory-established control limits. The recoveries were calculated from the raw data and no transcription or calculation errors were noted. No qualifications were required.

2.7 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

There were no MS/MSD analyses associated with this SDG. Method accuracy and precision were assessed based on the blank spike/blank spike duplicate results. No qualifications were required.

2.8 SAMPLE CLEANUP PERFORMANCE

According to the laboratory extraction benchsheets, no cleanups were performed on the water samples. No qualifications were required.

2.9 FIELD QC SAMPLES

Field QC samples are evaluated, and if necessary, qualified based on method blanks and laboratory QC samples for usability. Any remaining detects are used to evaluate the associated samples. The following are findings associated with field QC samples:

2.9.1 Field Blanks and Equipment Rinsates

There were no field QC samples associated with the samples in this SDG. No qualifications were required.

2.9.2 Field Duplicates

There were no field duplicate samples associated with the sample in this SDG.

2.10 COMPOUND IDENTIFICATION

The laboratory analyzed for pesticide target compounds and PCBs by EPA Method 608. Compound identification is verified at a Level IV validation. Review of chromatograms and

retention times indicated no problems with compound identification for the samples in this SDG. No qualifications were required.

2.11 COMPOUND QUANTIFICATION AND REPORTED DETECTION LIMITS

Compound quantification was verified for this SDG; however, as there were no detects reported in the sample, quantitation was verified by recalculating a representative number of blank spike and surrogate recoveries. Reporting limits were supported by the low level standard of the initial calibration and the laboratory MDL studies. The water reporting limits were not adjusted for sample amounts on the result summaries; however, the dilution factors listed on the summaries reflected the sample volumes extracted. Results were reported in ug/L (ppb). No qualifications were required.

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2520 E Sunset Rd #3 Las Vegas NV 89120 (702) 798-3620 FAX (702) 798-3621

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Annual Outfall 004
Report Number: IOB1556

Sampled: 02/18/05
Received 02/18/05

DRAFT: ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	REV QUAL	QUAL CODE
Sample ID: IOB1556-01 (DRAFT: Outfall 004 - Water) - cont.											
Reporting Units: ug/l											
Aldrin	EPA 608	5B22041	0.030	0.10	ND	0.962	02/22/05	02/23/05	U	U	
alpha-BHC	EPA 608	5B22041	0.015	0.10	ND	0.962	02/22/05	02/23/05	U	UJ	C
beta-BHC	EPA 608	5B22041	0.015	0.10	ND	0.962	02/22/05	02/23/05	U	U	
delta-BHC	EPA 608	5B22041	0.020	0.20	ND	0.962	02/22/05	02/23/05	U	U	
gamma-BHC (Lindane)	EPA 608	5B22041	0.015	0.10	ND	0.962	02/22/05	02/23/05	U	UJ	C
Chlordane	EPA 608	5B22041	0.20	1.0	ND	0.962	02/22/05	02/23/05	U	U	
4,4'-DDD	EPA 608	5B22041	0.015	0.10	ND	0.962	02/22/05	02/23/05	U	UJ	C
4,4'-DDE	EPA 608	5B22041	0.020	0.10	ND	0.962	02/22/05	02/23/05	U	UJ	C
4,4'-DDT	EPA 608	5B22041	0.030	0.10	ND	0.962	02/22/05	02/23/05	U	U	
Dieldrin	EPA 608	5B22041	0.015	0.10	ND	0.962	02/22/05	02/23/05			
Endosulfan I	EPA 608	5B22041	0.015	0.10	ND	0.962	02/22/05	02/23/05			
Endosulfan II	EPA 608	5B22041	0.040	0.10	ND	0.962	02/22/05	02/23/05			
Endosulfan sulfate	EPA 608	5B22041	0.015	0.20	ND	0.962	02/22/05	02/23/05			
Endrin	EPA 608	5B22041	0.015	0.10	ND	0.962	02/22/05	02/23/05	U	UJ	C
Endrin aldehyde	EPA 608	5B22041	0.045	0.10	ND	0.962	02/22/05	02/23/05	U	U	
Endrin ketone	EPA 608	5B22041	0.020	0.10	ND	0.962	02/22/05	02/23/05	U	U	
Heptachlor	EPA 608	5B22041	0.030	0.10	ND	0.962	02/22/05	02/23/05	U	UJ	C
Heptachlor epoxide	EPA 608	5B22041	0.020	0.10	ND	0.962	02/22/05	02/23/05	U	U	
Methoxychlor	EPA 608	5B22041	0.035	0.10	ND	0.962	02/22/05	02/23/05	U	↓	
Toxaphene	EPA 608	5B22041	1.5	5.0	ND	0.962	02/22/05	02/23/05	U	↓	
Surrogate: Tetrachloro-m-xylene (35-120%)					*65 %*						
Surrogate: Decachlorobiphenyl (45-120%)					*84 %*						

EC VALIDATED

LEVEL IV

DRAFT REPORT
DRAFT REPORT
DATA SUBJECT TO CHANGE

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Annual Outfall 004
Report Number: IOB1556

Sampled: 02/18/05
Received: 02/18/05

DRAFT: TOTAL PCBS (EPA 608)

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers REV QUAL	QUAL CODE
Sample ID: IOB1556-01 (DRAFT: Outfall 004 - Water) - cont.										
Reporting Units: ug/l										
Aroclor 1016	EPA 608	5B22041	0.20	1.0	ND	0.962	02/22/05	02/23/05	U	
Aroclor 1221	EPA 608	5B22041	0.10	1.0	ND	0.962	02/22/05	02/23/05		
Aroclor 1232	EPA 608	5B22041	0.15	1.0	ND	0.962	02/22/05	02/23/05		
Aroclor 1242	EPA 608	5B22041	0.15	1.0	ND	0.962	02/22/05	02/23/05		
Aroclor 1248	EPA 608	5B22041	0.25	1.0	ND	0.962	02/22/05	02/23/05		
Aroclor 1254	EPA 608	5B22041	0.25	1.0	ND	0.962	02/22/05	02/23/05		
Aroclor 1260	EPA 608	5B22041	0.40	1.0	ND	0.962	02/22/05	02/23/05		
Surrogate: Decachlorobiphenyl (45-120%)					*75 %*					

QUAL CODE

ANALYZED

DRAFT REPORT
DRAFT REPORT
DATA SUBJECT TO CHANGE

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CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Package ID T711MT94
Task Order 313150010
SDG No. Multiple
No. of Analyses 3

Laboratory Del Mar - Irvine
Reviewer E. Wessling
Analysis/Method Metals

Date: December 18, 2005
Reviewer's Signature

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications were assigned for the following:
Holding Times	- Blank contamination
GC/MS Tune/Inst. Performance	- Sample results between the MDL and RL were estimated
Calibration	- Reanalyses were rejected in favor of the original analyses
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification	
Quantitation	
System Performance	

COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

DATA VALIDATION REPORT

NPDES Monitoring Program

ANALYSIS: METALS

SAMPLE DELIVERY GROUPS IOJ1176, IOJ1177, IOJ1181

Prepared by

AMEC—Denver Operations
355 South Teller Street, Suite 300
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring Program
Contrat Task Order #:	313150010
SDG#:	Multiple
Project Manager:	P. Costa
Matrix:	Water
Analysis:	Metals
QC Level:	Level IV
No. of Samples:	3
No. of Reanalyses/Dilutions:	2
Reviewer:	E. Wessling
Date of Review:	December 18, 2005

The samples listed in Table 1 were validated based on the guidelines outlined in the *AMEC Data Validation Procedure for Levels III and IV ICP Metals* (DVP-5, Rev. 2), USEPA *Methods 200.8 for ICP-MS and 245.1 for Mercury*, and validation guidelines outlined in the USEPA CLP *National Functional Guidelines for Inorganic Data Review* (2/94). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample identification

Client ID	Laboratory ID	Matrix	COC Method
Outfall 005	IOJ1176-01	Water	200.8/245.1
Outfall 004	IOJ1177-01	Water	200.8/245.1
Outfall 008	IOJ1181-01	Water	200.8/245.1

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The samples in these SDGs were received at the laboratory within the temperature limits of 4°C ± 2°C. No preservation problems were noted by the laboratory. No qualifications were required.

2.1.2 Chain of Custody

The COC was signed and dated by field and laboratory personnel. The COC accounted for the samples and analyses presented in these SDGs. No sample qualifications were required.

2.1.3 Holding Times

The dates of collection recorded on the COC and the dates of analyses recorded in the raw data, documented that the sample analyses were performed within the specified holding times of six months for the ICP/MS metals and 28-days for mercury. No qualifications were required.

2.2 ICP-MS TUNING

The ICP-MS met the method specified tune criteria; therefore, no qualifications were required for ICP-MS tuning.

2.3 CALIBRATION

The ICV results showed acceptable recoveries, 90-110% for ICP/MS metals and 80-120% for mercury. The laboratory analyzed reporting limit check standards in association with this SDG and all recoveries were acceptable. No qualifications were required.

2.4 BLANKS

The method blank and CCB results were nondetects at the reporting limit or were significantly below the sample detects so as not to result in qualification of the data with the exception of cadmium in the method blank. Cadmium was qualified as a nondetect, "U," in the sample from Outfall 004. No further qualifications were required.

2.5 ICP INTERFERENCE CHECK SAMPLE (ICS A/AB)

ICSA and ICSAB analyses were included in the raw data for the ICP/MS analyses. The recoveries were within the control limits and no qualifications were required.

2.6 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

The ICP/MS LCS samples and mercury LCS samples as reported on the LCS on the summary forms and in the raw data were within the laboratory-established control limits. No qualifications were required.

2.7 LABORATORY DUPLICATES

No MS/MSD analyses were performed on samples in these SDGs. No qualification was required.

2.8 MATRIX SPIKE

No MS/MSD analyses were performed on samples in these SDGs; therefore, no assessment was made with respect to this criterion. Method accuracy was based on LCS results for all analyses. No qualification was required.

2.9 FURNACE ATOMIC ABSORPTION QC

Furnace atomic absorption was not utilized for the analyses of these samples; therefore, furnace atomic absorption QC is not applicable.

2.10 ICP/MS AND ICP SERIAL DILUTION

No serial dilution analyses were performed in association with the samples in these SDGs; therefore, no assessment was made with respect to this criterion.

2.11 INTERNAL STANDARDS PERFORMANCE

For the target compounds analyzed by ICP/MS, the ICP/MS internal standards were within established control limits. No qualifications were required.

2.12 SAMPLE RESULT VERIFICATION

A Level IV review was performed for the samples in this data package. Calculations were verified, and the sample results reported on the Form Is were verified against the raw data. No transcription errors or calculation errors were noted. Reanalyses were performed for copper and or mercury in some site samples. In all cases the reanalyses confirmed the original analysis. The reanalyses were rejected in favor

of the original analysis. Results reported by the laboratory between the MDL and reporting limit were qualified as "J" values and annotated with the qualification code of "DNQ" to comply with the reporting requirements of the NPDES permit. No further qualifications were required.

2.13 FIELD QC SAMPLES

Field QC samples are evaluated, and if necessary, qualified based only on laboratory blanks. Any remaining detects are used to evaluate the associated samples.

2.13.1 Field Blanks and Equipment Rinsates

The samples in these SDGs had no associated field QC samples. No qualifications were required.

2.13.2 Field Duplicates

There were no field duplicate analyses performed in association with the site samples.

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 005
Report Number: IOJ1176

Sampled: 10/18/05
Received: 10/18/05

METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Rev Qual	Qual Code
Sample ID: IOJ1176-01 (Outfall 005 - Water)											
Reporting Units: ug/l											
Antimony	EPA 200.8	5J19098	0.36	4.0	ND	2	10/19/05	10/20/05		U	
Cadmium	EPA 200.8	5J19098	0.030	2.0	1.6	2	10/19/05	10/20/05	J	J	DNQ
Copper	EPA 200.8	5J19098	0.98	4.0	30	2	10/19/05	10/20/05			
Lead	EPA 200.8	5J19098	0.080	2.0	34	2	10/19/05	10/20/05			
Mercury	EPA 245.1	5J19052	0.063	0.20	0.41	1	10/19/05	10/19/05			
Sample ID: IOJ1176-01RE1 (Outfall 005 - Water)											
Reporting Units: ug/l											
Copper	EPA 200.8	5J19098	0.98	4.0	31	2	10/19/05	10/24/05		R	D
Mercury	EPA 245.1	5J21075	0.063	0.20	0.46	1	10/19/05	10/21/05		R	D

Level IV Validated

Del Mar Analytical, Irvine
Michele Harper
Project Manager

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 004
Report Number: IOJ1177

Sampled: 10/18/05
Received: 10/18/05

METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Rev Qual	Qual Code
Sample ID: IOJ1177-01 (Outfall 004 - Water) Reporting Units: ug/l											
Antimony	EPA 200.8	5J19098	0.18	2.0	**0.99**	1	10/19/05	10/20/05	J	J	BNC
Cadmium	EPA 200.8	5J19098	0.015	1.0	**0.20**	1	10/19/05	10/20/05	B, J	U	B
Copper	EPA 200.8	5J19098	0.49	2.0	**7.0**	1	10/19/05	10/20/05			
Lead	EPA 200.8	5J19098	0.040	1.0	**2.8**	1	10/19/05	10/20/05			
Mercury	EPA 245.1	5J19052	0.063	0.20	**0.22**	1	10/19/05	10/19/05			
Sample ID: IOJ1177-01RE1 (Outfall 004 - Water) Reporting Units: ug/l											
Mercury	EPA 245.1	5J21075	0.063	0.20	**0.24**	1	10/19/05	10/21/05		R	D

Level IV Validated

Del Mar Analytical, Irvine
Michele Harper
Project Manager

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 008

Report Number: IOJ1181

Sampled: 10/18/05
Received: 10/18/05

METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Rev Qual	Qual Code
Sample ID: IOJ1181-01 (Outfall 008 - Water)											
Reporting Units: ug/l											
Antimony	EPA 200.8	5J19098	0.050	2.0	**0.54**	1	10/19/05	10/20/05	J	J	DNQ
Cadmium	EPA 200.8	5J19098	0.025	1.0	**1.5**	1	10/19/05	10/20/05			
Copper	EPA 200.8	5J19098	0.25	2.0	**14**	1	10/19/05	10/20/05			
Lead	EPA 200.8	5J19098	0.040	1.0	**120**	1	10/19/05	10/20/05			
Mercury	EPA 245.1	5J19052	0.050	0.20	**0.14**	1	10/19/05	10/19/05	J	J	DNQ

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Michele Harper
Project Manager

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CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Laboratory Del Mar - Irvine
Reviewer E. Wessling
Analysis/Method Metals

Package ID T711MT93
Task Order 313150010
SDG No. Multiple
No. of Analyses 5

Date: December 18, 2005
Reviewer's Signature

ACTION ITEMS[a]	
. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications were assigned for the following:
Holding Times	- Blank contamination
GC/MS Tune/Inst. Performance	- Sample results between the MDL and RL were estimated
Calibration	- Reanalyses were rejected in favor of the original analyses
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification	
Quantitation	
System Performance	

COMMENTS[b]

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

DATA VALIDATION REPORT

NPDES Monitoring Program

ANALYSIS: METALS

SAMPLE DELIVERY GROUPS IOJ1231, IOJ1232, IOJ1180, IOJ1184, IOJ1186

Prepared by

AMEC—Denver Operations
355 South Teller Street, Suite 300
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring Program
Contrat Task Order #:	313150010
SDG#:	Multiple
Project Manager:	P. Costa
Matrix:	Water
Analysis:	Metals
QC Level:	Level IV
No. of Samples:	5
No. of Reanalyses/Dilutions:	3
Reviewer:	E. Wessling
Date of Review:	December 18, 2005

The samples listed in Table 1 were validated based on the guidelines outlined in the *AMEC Data Validation Procedure for Levels III and IV ICP Metals* (DVP-5, Rev. 2), USEPA *Methods 200.8 for ICP-MS and 245.1 for Mercury*, and validation guidelines outlined in the USEPA CLP *National Functional Guidelines for Inorganic Data Review* (2/94). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample identification

Client ID	Laboratory ID	Matrix	COC Method
Outfall 003	IOJ1231-01	Water	200.8/245.1
Outfall 010	IOJ1232-01	Water	200.8/245.1
Outfall 006	IOJ1180-01	Water	200.8/245.1
Outfall 007	IOJ1184-01	Water	200.8/245.1
Outfall 009	IOJ1186-01	Water	200.8/245.1

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The samples in these SDGs were received at the laboratory within the temperature limits of 4°C ± 2°C. No preservation problems were noted by the laboratory. No qualifications were required.

2.1.2 Chain of Custody

The COC was signed and dated by field and laboratory personnel. The COC accounted for the samples and analyses presented in these SDGs. No sample qualifications were required.

2.1.3 Holding Times

The dates of collection recorded on the COC and the dates of analyses recorded in the raw data, documented that the sample analyses were performed within the specified holding times of six months for the ICP/MS metals and 28-days for mercury. No qualifications were required.

2.2 ICP-MS TUNING

The ICP-MS met the method specified tune criteria; therefore, no qualifications were required for ICP-MS tuning.

2.3 CALIBRATION

The ICV results showed acceptable recoveries, 90-110% for ICP/MS metals and 80-120% for mercury. The laboratory analyzed reporting limit check standards in association with this SDG and all recoveries were acceptable. No qualifications were required.

2.4 BLANKS

The method blank and CCB results were nondetects at the reporting limit or were significantly below the sample detects so as not to result in qualification of the data with the exception of cadmium in the method blank. Cadmium was qualified as a nondetect, "U," in the sample from Outfall 006. No further qualifications were required.

of the original analysis. Results reported by the laboratory between the MDL and reporting limit were qualified as "J" values and annotated with the qualification code of "DNQ" to comply with the reporting requirements of the NPDES permit. No further qualifications were required.

2.13 FIELD QC SAMPLES

Field QC samples are evaluated, and if necessary, qualified based only on laboratory blanks. Any remaining detects are used to evaluate the associated samples.

2.13.1 Field Blanks and Equipment Rinsates

The samples in these SDGs had no associated field QC samples. No qualifications were required.

2.13.2 Field Duplicates

There were no field duplicate analyses performed in association with the site samples.

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 006
Report Number: IOJ1180

Sampled: 10/18/05
Received: 10/18/05

METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Rev Qual	Qual Cod
Sample ID: IOJ1180-01 (Outfall 006 - Water)											
Reporting Units: ug/l											
Antimony	EPA 200.8	5J19098	0.18	2.0	**0.42**	1	10/19/05	10/20/05	J	J	AN Q
Cadmium	EPA 200.8	5J19098	0.015	1.0	**0.47**	1	10/19/05	10/20/05	B, J	U	B
Copper	EPA 200.8	5J19098	0.49	2.0	**16**	1	10/19/05	10/20/05			
Lead	EPA 200.8	5J19098	0.040	1.0	**12**	1	10/19/05	10/20/05			
Mercury	EPA 245.1	5J19052	0.063	0.20	**0.13**	1	10/19/05	10/19/05	J	J	DNC
Sample ID: IOJ1180-01RE1 (Outfall 006 - Water)											
Reporting Units: ug/l											
Copper	EPA 200.8	5J19098	0.49	2.0	**16**	1	10/19/05	10/24/05		R	D

Level IV Validated

Del Mar Analytical, Irvine
Michele Harper
Project Manager

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 007
Report Number: IOJ1184

Sampled: 10/18/05
Received: 10/18/05

METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Rev Reason	Qual Code
Sample ID: IOJ1184-01 (Outfall 007 - Water)											
Reporting Units: ug/l											
Antimony	EPA 200.8	5J19098	0.050	2.0	6.2	1	10/19/05	10/20/05			
Cadmium	EPA 200.8	5J19098	0.025	1.0	0.80	1	10/19/05	10/20/05	B, J	J	DNC
Copper	EPA 200.8	5J19098	0.25	2.0	19	1	10/19/05	10/20/05			
Lead	EPA 200.8	5J19098	0.040	1.0	20	1	10/19/05	10/20/05			
Mercury	EPA 245.1	5J19052	0.050	0.20	0.10	1	10/19/05	10/19/05	J	J	DNC
Sample ID: IOJ1184-01RE1 (Outfall 007 - Water)											
Reporting Units: ug/l											
Antimony	EPA 200.8	5J19098	0.050	2.0	6.2	1	10/19/05	11/07/05		R	D
Copper	EPA 200.8	5J19098	0.25	2.0	20	1	10/19/05	11/07/05		R	D

Level IV Validated

Del Mar Analytical, Irvine
Michele Harper
Project Manager

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 009
Report Number: IOJ1186

Sampled: 10/18/05
Received: 10/18/05

METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOJ1186-01 (Outfall 009 - Water)									Rev Qual
Reporting Units: ug/l									Qual Code
Antimony	EPA 200.8	5J19098	0.050	2.0	4.2	1	10/19/05	10/20/05	
Cadmium	EPA 200.8	5J19098	0.025	1.0	9.2	1	10/19/05	10/20/05	
Copper	EPA 200.8	5J19098	0.25	2.0	39	1	10/19/05	10/20/05	
Lead	EPA 200.8	5J19098	0.040	1.0	260	1	10/19/05	10/20/05	
Mercury	EPA 245.1	5J19052	0.050	0.20	0.21	1	10/19/05	10/19/05	

Level IV Validated

Del Mar Analytical, Irvine
Michele Harper
Project Manager

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 003
Report Number: IOJ1231

Sampled: 10/18/05
Received: 10/18/05

METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Real Qual	Qual Cod
Sample ID: IOJ1231-01 (Outfall 003 - Water)											
Reporting Units: ug/l											
Antimony	EPA 200.8	5J19098	0.36	4.0	ND	2	10/19/05	10/21/05	RL-1	U	
Cadmium	EPA 200.8	5J19098	0.030	2.0	0.34	2	10/19/05	10/21/05	B, RL-1, J	J	BNR
Copper	EPA 200.8	5J19098	2.0	8.0	17	4	10/19/05	10/20/05			
Lead	EPA 200.8	5J19098	0.16	4.0	11	4	10/19/05	10/20/05			
Mercury	EPA 245.1	5J19052	0.063	0.20	ND	1	10/19/05	10/19/05		U	
Sample ID: IOJ1231-01RE1 (Outfall 003 - Water)											
Reporting Units: ug/l											
Copper	EPA 200.8	5J19098	2.0	8.0	17	4	10/19/05	10/24/05		R	D

Level IV Validated

Del Mar Analytical, Irvine
Michele Harper
Project Manager

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 010
Report Number: IOJ1232

Sampled: 10/18/05
Received: 10/18/05

METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	New Qual	Qual Code
Sample ID: IOJ1232-01 (Outfall 010 - Water)											
Reporting Units: ug/l											
Antimony	EPA 200.8	5J19098	0.050	2.0	20	1	10/19/05	10/20/05			
Cadmium	EPA 200.8	5J19098	0.025	1.0	0.35	1	10/19/05	10/20/05	J	J	DNC
Copper	EPA 200.8	5J19098	0.25	2.0	13	1	10/19/05	10/20/05			
Lead	EPA 200.8	5J19098	0.040	1.0	79	1	10/19/05	10/20/05			
Mercury	EPA 245.1	5J19052	0.050	0.20	0.097	1	10/19/05	10/19/05	J	J	DNC

Level IV Validated

Del Mar Analytical, Irvine
Michele Harper
Project Manager

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CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
355 South Teller Street
Suite 300
Lakewood, CO 80226

Package ID T711MT89
Task Order 313150010, 313150012
SDG No. IOD2031, 2053, 2055
No. of Analyses 3

Laboratory Del Mar Analytical
Reviewer P. Meeks
Analysis/Method Metals

Date: 06/27/05
Reviewer's Signature P. Mee

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Detects below the reporting limit.
Holding Times	
GC/MS Tune/Inst. Performance	
Calibrations	
Blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification and Quantitation	
System Performance	

COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

Data Qualifier Reference Table

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or may not be present).

Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D were noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) or calibration blank.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination from trip blank.	Not applicable.
+	False positive – reported compound was not present. Not applicable.	
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination from FB, or ER.	Presumed contamination from FB or ER.
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
DNQ	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.

*#	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).

DATA VALIDATION REPORT

NPDES
Monitoring

ANALYSIS: METALS

SAMPLE DELIVERY GROUPS: IOD2051, IOD2053, IOD2055

Prepared by

AMEC—Denver Operations
355 South Teller Street, Suite 300
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010, 313150012
SDG#:	IOD205, IOD2053, IOD2055
Project Manager:	B. McIlvaine
Matrix:	Water
Analysis:	Metals
QC Level:	Level IV
No. of Samples:	3
No. of Reanalyses/Dilutions:	0
Reviewer:	P. Meeks
Date of Review:	June 29, 2005

The samples listed in Table 1 were validated based on the guidelines outlined in the *AMEC Data Validation Procedure for Levels III and IV ICP-MS Metals, (DVP-5-A, Rev.0), AMEC Data Validation Procedure for Levels III and IV ICP Metals* (DVP-5, Rev. 0), SW-846 *Method 6020B for Inductively Coupled Plasma – Mass Spectrometry*, SW-846 *Method 7471A for Mercury (Manual Cold-Vapor Technique)*, and validation guidelines outlined in the USEPA CLP *National Functional Guidelines for Inorganic Data Review* (2/94). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample identification

Client ID	EPA ID	Laboratory ID	Matrix	COC Method
Outfall 003	Outfall 003	IOD2051-01	water	ILM04
Outfall 004	Outfall 004	IOD2053-01	water	ILM04
Outfall 006	Outfall 006	IOD2055-01	water	ILM04

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The samples in these SDGs were received at the laboratory within the temperature limits of 4°C ±2°C. No sample preservation, handling, or transport problems were noted, and no qualifications were necessary.

2.1.2 Chain of Custody

The COCs were signed and dated by field and laboratory personnel. A duplicate sample was listed on the COCs for all samples; however, duplicate analyses were not necessary. As the samples were delivered to the laboratory by courier, custody seals were not required. No sample qualifications were required.

2.1.3 Holding Times

The dates of collection recorded on the COCs and the dates of analyses recorded in the raw data, documented that the sample analyses were performed within the specified holding times of six months for the ICP/MS metals. No qualifications were required.

2.2 ICP-MS TUNING

A precalibration routine must be completed prior to calibrating the instrument, which consists of analyzing a tuning solution to verify resolution, mass calibration, and thermal stability. The solution must be analyzed a minimum of five times and must contain isotopes representing all mass regions of interest. All %RSDs were less than 5%. The mass calibrations were within 0.1 amu of the true mass and the instrument resolutions were less than 0.75 amu at 5 percent peak height for all analytes in the tune solution. No site sample qualifications were required.

2.3 CALIBRATION

The ICV and CCV results showed acceptable recoveries, 90-110% for the ICP/MS metals. The reporting limit check standards were recovered within the AMEC control limits of 70-130%. No sample qualifications were required.

2.4 BLANKS

Lead was not detected in any of the blank analyses associated with the samples in these SDGs. No qualifications were required.

2.5 ICP INTERFERENCE CHECK SAMPLE (ICS A/AB)

ICSA and ICSAB analyses were included in the raw data for the ICP-MS analyses. Results were not provided for spiked interferents sulfur, phosphorus, carbon, and chloride. Lead was not spiked into the ICSAB solution. Potassium in both the ICSA and ICSAB and sodium in the ICSA were recovered above the linear range of the calibration. The validator reviewed the raw data for the site sample ICP/MS analyses for the level of reported interferents, Al, Ca, Fe, and Mg, and determined that the levels of reported interferents were not high enough to cause matrix effects. No assessment could be made with respect to possible interference from sulfur, phosphorus, carbon, and chloride. No further qualifications were required.

2.6 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

The ICP/MS LCS sample was identified as 5D29095-BS1. The LCS result on the summary form and in the raw data were within the laboratory-established ICP/MS control limits of 85-115%. No qualifications were required.

2.7 LABORATORY DUPLICATES

No MS/MSD or duplicate analyses were performed in association with the samples in these SDGs; therefore, no assessment was made with respect to this criterion.

2.8 MATRIX SPIKE

No MS/MSD or duplicate analyses were performed in association with the samples in these SDGs; therefore, no assessment was made with respect to this criterion. Method accuracy was assessed based on LCS results. No qualifications were required.

2.9 FURNACE ATOMIC ABSORPTION QC

Furnace atomic absorption was not utilized for the analysis of these samples; therefore, furnace atomic absorption QC is not applicable.

2.10 ICP/MS AND ICP SERIAL DILUTION

No serial dilution analyses were performed in association with the samples in these SDGs; therefore, no assessment was made with respect to this criterion.

2.11 INTERNAL STANDARDS PERFORMANCE

The ICP-MS internal standard recoveries for the site samples and associated QC sample analyses were within the 60-125% control limits and no qualifications were required.

2.12 SAMPLE RESULT VERIFICATION

A Level IV review was performed for the samples in these data packages. Calculations were verified, and the sample results reported on the Form Is were verified against the raw data. No transcription errors or calculation errors were noted. Analytes detected below the reporting limit were qualified as estimated, "J." No further qualifications were required.

2.13 FIELD QC SAMPLES

Field QC samples are evaluated, and if necessary, qualified based only on laboratory blanks. Any remaining detects are used to evaluate the associated samples.

2.13.1 Field Blanks and Equipment Rinsates

The samples in these SDGs had no associated field QC samples. No qualifications were required.

2.13.2 Field Duplicates

There were no field duplicate analyses performed in association with the site samples.

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2421 W. Sunset Rd. #5, Las Vegas, NV 89120 (702) 798-3620 FAX (702)

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 003

Report Number: IOD2051

Sampled: 04/28/05
Received: 04/28/05

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOD2051-01 (DRAFT: Outfall 003 - Water)									
Reporting Units: ug/l									
Lead	EPA 200.8	5D29095	0.13	1.0	3.5	1	04/29/05	05/03/05	

Rev Qual | Qual Code

AMEC VALIDATED

LEVEL 1

DRAFT REPORT
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DATA SUBJECT TO CHANGE

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9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
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MWH Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 004
Report Number: IOD2053

Sampled: 04/28/05
Received: 04/28/05

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Rev Qual	Qual Code
Sample ID: IOD2053-01 (DRAFT: Outfall 004 - Water)											
Reporting Units: ug/l											
Lead	EPA 200.8	5D29095	0.13	1.0	**0.68**	1	04/29/05	05/03/05	J	J	DNQ

AMEC VALIDATED
LEVEL

DRAFT REPORT
DRAFT REPORT
DATA SUBJECT TO CHANGE

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Del Mar Analytical

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5464 Chesapeake Ct, Suite 305, San Diego, CA 92123 (858) [illegible] FAX (858) [illegible]
9830 South 51st St, Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
2520 E. Sunset Rd. # 3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 006
Report Number: IOD2055

Sampled: 04/28/05
Received: 04/28/05

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Rev Qual	Qual Code
Sample ID: IOD2055-01 (DRAFT: Outfall 006 - Water)											
Reporting Units: ug/l											
Lead	EPA 200.8	5D29095	0.13	1.0	**0.44**	1	04/29/05	05/03/05	J	J	DNQ

AMEC VALIDATED

LEVEL II

DRAFT REPORT
DRAFT REPORT
DATA SUBJECT TO CHANGE

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CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Package ID T711MT70
Task Order 313150010
SDG No. IOC1563
No. of Analyses 1

Laboratory Del Mar
Reviewer P. Meeks
Analysis/Method Metals

Date: 04/06/05
Reviewer's Signature P. Mee

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications applied for detects below the reporting limit, CCB detects and the antimony MDL was raised.
Holding Times	
GC/MS Tune/Inst. Performance	
Calibrations	
Blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification and Quantitation	
System Performance	

COMMENTS[b]

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.

[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

Data Qualifier Reference Table

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quanti–tation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified; the associated numerical value is the approx-imate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evi-dence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value repre-sents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the re-ported sample quantitation limit. However, the reported quantitation limit is approx-imate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or may not be present).

Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D were noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) or calibration blank.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination from trip blank.	Not applicable.
+	False positive – reported compound was not present. Not applicable.	
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination from FB, or ER.	Presumed contamination from FB or ER.
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
DNQ	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.

*#	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).

DATA VALIDATION REPORT

NPDES
Monitoring

ANALYSIS: METALS

SAMPLE DELIVERY GROUP: IOC1563

Prepared by

AMEC—Denver Operations
550 South Wadsworth Boulevard, Suite 500
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010
SDG#:	IOC1563
Project Manager:	B. McIlvaine
Matrix:	Water
Analysis:	Metals
QC Level:	Level IV
No. of Samples:	1
No. of Reanalyses/Dilutions:	0
Reviewer:	P. Meeks
Date of Review:	April 06, 2005

The samples listed in Table 1 were validated based on the guidelines outlined in the *AMEC Data Validation Procedure for Levels III and IV ICP-MS Metals, (DVP-5-A, Rev.0), AMEC Data Validation Procedure for Levels III and IV ICP Metals* (DVP-5, Rev. 0), SW-846 *Method 6020B for Inductively Coupled Plasma – Mass Spectrometry*, SW-846 *Method 6010B for Inductively Coupled Plasma* , SW-846 *Method 7471A for Mercury (Manual Cold-Vapor Technique)*, and validation guidelines outlined in the USEPA CLP *National Functional Guidelines for Inorganic Data Review* (2/94). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample identification

Client ID	EPA ID	Laboratory ID	Matrix	COC Method
Outfall 004	Outfall 004	IOC1563-01	water	ILM04

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The sample in this SDG was received at the laboratory within the temperature limits of 4°C ±2°C. No sample preservation, handling, or transport problems were noted, and no qualifications were necessary.

2.1.2 Chain of Custody

The COC was signed and dated by field and laboratory personnel and accounted for the sample and analyses presented in this SDG. No sample qualifications were required.

2.1.3 Holding Times

The date of collection recorded on the COC and the dates of analyses recorded in the raw data, documented that the sample analyses were performed within the specified holding times of six months for the ICP/MS metals and 28 days for mercury. No qualifications were required.

2.2 ICP-MS TUNING

A precalibration routine must be completed prior to calibrating the instrument, which consists of analyzing a tuning solution to verify resolution, mass calibration, and thermal stability. The solution must be analyzed a minimum of five times and must contain isotopes representing all mass regions of interest. All %RSDs were less than 5%. The mass calibrations were within 0.1 amu of the true mass and the instrument resolutions were less than 0.75 amu at 5 percent peak height for all analytes in the tune solution. No site sample qualifications were required.

2.3 CALIBRATION

The ICV and CCV results showed acceptable recoveries, 90-110% for the ICP/MS metals and 80-120% for mercury. The reporting limit check standards were recovered within the AMEC control limits of 70-130%. No sample qualifications were required.

2.4 BLANKS

Antimony was detected in every CCB in the analytical sequence in which Outfall 004 was analyzed. The detects ranged from 0.52 to 0.55 µg/L and indicated that the laboratory could not detect antimony at the reported MDL. The reviewer raised the antimony MDL to the level of the highest CCB, 0.55 µg/L, and qualified the result as estimated, "UJ." There were no other reported detects in the CCBs or method blanks associated with the site sample. No further qualifications were required due to the method and calibration blank results.

2.5 ICP INTERFERENCE CHECK SAMPLE (ICS A/AB)

ICSA and ICSAB analyses were included in the raw data for the ICP-MS analyses. Results were not provided for spiked interferents sulfur, phosphorus, carbon, and chloride, and antimony and lead were not spiked into the ICSAB solution. Aluminum was recovered below the control limit in all the ICSA and ICSAB analyses; however, as aluminum was found at a low level in the site sample, no qualifications were required. Copper, and cadmium were detected above the reporting limit in the ICSA. The validator reviewed the raw data for the site sample ICP/MS analyses for the level of reported interferents, Al, Ca, Fe, and Mg, and determined that the levels of reported interferents were not high enough to cause matrix affects. No assessment could be made with respect to possible interference from sulfur, phosphorus, carbon, and chloride. No qualifications were required.

2.6 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

The ICP LCS sample was identified as 5C05038-BS1 and the mercury LCS sample was identified as 5C03115-BS1. The LCS results on the summary forms and in the raw data were within the laboratory-established ICP and mercury control limits of 85-115%. No qualifications were required.

2.7 LABORATORY DUPLICATES

No MS/MSD or laboratory duplicate analyses were performed in association with the sample in this SDG; therefore, no assessment was made with respect to this criterion.

2.8 MATRIX SPIKE

No MS/MSD analyses were performed in association with the sample in this SDG; therefore, no assessment was made with respect to this criterion. Method accuracy was evaluated based on LCS results.

2.9 FURNACE ATOMIC ABSORPTION QC

Furnace atomic absorption was not utilized for the analysis of this sample; therefore, furnace atomic absorption QC is not applicable.

2.10 ICP/MS AND ICP SERIAL DILUTION

No serial dilution analyses were performed in association with the sample in this SDG; therefore, no assessment was made with respect to this criterion.

2.11 INTERNAL STANDARDS PERFORMANCE

The ICP-MS internal standard recoveries for the site samples and associated QC sample analyses were within the 60-125% control limits and no qualifications were required.

2.12 SAMPLE RESULT VERIFICATION

A Level IV review was performed for the sample in this data package. Calculations were verified, and the sample results reported on the Form Is were verified against the raw data. No transcription errors or calculation errors were noted. Analytes detected below the reporting limit was qualified as estimated, "J." No further qualifications were required.

2.13 FIELD QC SAMPLES

Field QC samples are evaluated, and if necessary, qualified based only on laboratory blanks. Any remaining detects are used to evaluate the associated sample.

2.13.1 Field Blanks and Equipment Rinsates

The sample in this SDG had no associated field QC samples. No qualifications were required.

2.13.2 Field Duplicates

There were no field duplicate analyses performed in association with the site sample.

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 004
Report Number: IOC1563

Sampled: 03/19/05
Received: 03/19/05

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Rev Qual	Qual Code
Sample ID: IOC1563-01 (DRAFT: Outfall 004 - Water)											
Reporting Units: ug/l											
Antimony	EPA 200.8	5C21088	~~0.13~~ 0.55	2.0	**0.68**	1	03/21/05	03/21/05	UJ	J	B, $
Cadmium	EPA 200.8	5C21088	0.015	1.0	**0.094**	1	03/21/05	03/21/05	J	J	DNQ
Copper	EPA 200.8	5C21088	0.49	2.0	**7.7**	1	03/21/05	03/21/05			
Lead	EPA 200.8	5C21088	0.13	1.0	**0.83**	1	03/21/05	03/21/05	J	J	DNQ
Mercury	EPA 245.1	5C21082	0.063	0.20	ND	1	03/21/05	03/21/05	U		

pm 4/6/05

AMEC VALIDATED

Level IV

DRAFT REPORT
DRAFT REPORT
DATA SUBJECT TO CHANGE

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CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Laboratory Del Mar
Reviewer P. Meeks
Analysis/Method Lead

Package ID T711MT6
Task Order 313150010
SDG No. INJ1884,5,6,7,8
No. of Analyses 5

Date: 12/3/04
Reviewer's Signature
P. Meeks

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	
Holding Times	
GC/MS Tune/Inst. Performance	
Calibrations	
Blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification and Quantitation	
System Performance	
COMMENTS[b]	Acceptable as reviewed.

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.

[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

Data Qualifier Reference Table

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or may not be present).

Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D were noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) or calibration blank.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination from trip blank.	Not applicable.
+	False positive – reported compound was not present. Not applicable.	
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination from FB, or ER.	Presumed contamination from FB or ER.
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
*#	Unusual problems found with the data that have been described in Section 1, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found.	Unusual problems found with the data that have been described in Section 1, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found.

DATA VALIDATION REPORT

NPDES
Monitoring

ANALYSIS: METALS

SAMPLE DELIVERY GROUPS: INJ1884, INJ1885, INJ1886, INJ1887, INJ1888

Prepared by

AMEC—Denver Operations
550 South Wadsworth Boulevard, Suite 500
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010
SDG#:	INJ1884, INJ1885, INJ1886, INJ1887, INJ1888
Project Manager:	B. McIlvaine
Matrix:	Water
Analysis:	Metals
QC Level:	Level IV
No. of Samples:	5
No. of Reanalyses/Dilutions:	0
Reviewer:	P. Meeks
Date of Review:	December 3, 2004

The samples listed in Table 1 were validated based on the guidelines outlined in the *AMEC Data Validation Procedure for Levels C and D metals and cyanide (DVP-5, Rev. 2), AMEC Data Validation Procedure for Levels III and IV ICP Metals* (DVP-5, Rev. 0), SW-846 *Method 6010B for Inductively Coupled Plasma – Atomic Emission Spectrometry*, SW-846 *Method 7471A for Mercury (Manual Cold-Vapor Technique)*, and validation guidelines outlined in the USEPA CLP *National Functional Guidelines for Inorganic Data Review* (2/94). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample identification

Client ID	EPA ID	Laboratory ID	Matrix	COC Method
Outfall 003	Outfall 003	INJ1884-001	water	ILM04
Outfall 004	Outfall 004	INJ1885-001	water	ILM04
Outfall 005	Outfall 005	INJ1886-001	water	ILM04
Outfall 006	Outfall 006	INJ1887-001	water	ILM04
Outfall 007	Outfall 007	INJ1888-001	water	ILM04

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The samples in this SDG were received at the laboratory within the temperature limits of 4°C ±2°C. No sample preservation, handling, or transport problems were noted, and no qualifications were necessary.

2.1.2 Chain of Custody

The COCs were signed and dated by field and laboratory personnel and accounted for the samples and analyses presented in this data package. No sample qualifications were required.

2.1.3 Holding Times

The dates of collection recorded on the COC and the dates of analysis recorded in the raw data, documented that all sample analyses were performed within the specified holding times of six months for lead. No qualifications were assigned to sample results.

2.2 ICP-MS TUNING

The ICP-MS tuning criteria do not apply to samples analyzed only by ICP. No qualifications were required.

2.3 CALIBRATION

The ICV and CCV results showed acceptable %Rs, 90-110% for lead. A reporting limit check standard was analyzed for lead. The recovery for the reporting limit standard was within AMEC control limits of 80-120%. No sample qualifications were required due to calibration.

2.4 BLANKS

No detects were reported in the calibration blanks and method blank associated with the samples in this SDG. No sample qualifications were required due to calibration.

2.5 ICP INTERFERENCE CHECK SAMPLE (ICS A/AB)

The results for the ICS analyses reported on the Form IVs were within established control limits. Positive result for lead greater than the IDLs but less than the CRDLs was reported in the ISCA analysis. The validator reviewed the raw data for the site sample ICP analyses for the level of interferents Al, Ca, Fe, and Mg, and found that the level of interferents in the site samples were too low to cause possible interferences. No qualifications were required due to the ICS results.

2.6 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

The ICP LCS sample was identified as 4K01058-BS1. The LCS result on the quality control reporting forms and in the raw data was within the laboratory-established ICP control limits of 85-115%. No qualifications were required.

2.7 LABORATORY DUPLICATES

No MS/MSD analyses were performed in association with the samples in this SDG; therefore, no assessment was made with respect to this criterion.

2.8 MATRIX SPIKE

No MS/MSD analyses were performed in association with the samples in this SDG; therefore, no assessment was made with respect to this criterion.

2.9 FURNACE ATOMIC ABSORPTION QC

Furnace atomic absorption was not utilized for the analysis of these samples; therefore, furnace atomic absorption QC is not applicable.

2.10 ICP SERIAL DILUTION

No serial dilution analysis was performed in association with the samples in this SDG; therefore, no assessment was made with respect to this criterion.

2.11 INTERNAL STANDARDS PERFORMANCE

The ICP-MS internal standard criteria do not apply to samples analyzed only by ICP. No qualifications were required.

2.12 SAMPLE RESULT VERIFICATION

A Level IV review was performed for all samples in this data package. Calculations were verified, and sample results reported on the Form Is were verified against the raw data. No transcription errors or calculations errors were noted. Lead detected below the reporting limit was qualified as estimated, "J," by the laboratory. No further qualifications were required.

2.13 FIELD QC SAMPLES

Field QC samples are evaluated, and if necessary, qualified based only on laboratory blanks. Any remaining detects are used to evaluate the associated samples.

2.13.1 Field Blanks and Equipment Rinsates

The samples in this SDG had no associated field QC samples. No qualifications were required.

2.13.2 Field Duplicates

There were no field duplicate analyses performed in association with the site samples reported in this data package.

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 003
Report Number: INJ1884

Sampled: 10/27/04
Received: 10/27/04

DRAFT: METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Rev Qual	Qual Cod
Sample ID: INJ1884-01 (DRAFT: Outfall 003 - Water)											
Reporting Units: mg/l											
Lead	EPA 200.8	4K01058	0.00013	0.0010	**0.00049**	1	11/01/04	11/02/04	J	J	

DRAFT REPORT
DRAFT REPORT
DATA SUBJECT TO CHANGE

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 004
Report Number: INJ1885

Sampled: 10/27/04
Received: 10/27/04

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Rev Qual	Qual Code
Sample ID: INJ1885-01 (DRAFT: Outfall 004 - Water)											
Reporting Units: mg/l											
Lead	EPA 200.8	4K01058	0.00013	0.0010	**0.00053**	1	11/01/04	11/02/04	J	J	

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 005
Report Number: INJ1886

Sampled: 10/27/04
Received: 10/27/04

DRAFT: METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Rev Qual	Qual Code
Sample ID: INJ1886-01 (DRAFT: Outfall 005 - Water)											
Reporting Units: mg/l											
Lead	EPA 200.8	4K01058	0.00013	0.0010	**0.00025**	1	11/01/04	11/02/04	J	J	

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 006
Report Number: INJ1887

Sampled: 10/27/04
Received: 10/27/04

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Rev Qual	Qual Code
Sample ID: INJ1887-01 (DRAFT: Outfall 006 - Water)											
Reporting Units: mg/l											
Lead	EPA 200.8	4K01058	0.00013	0.0010	**0.00013**	1	11/01/04	11/02/04	J	J	

DRAFT REPORT
DRAFT REPORT
DATA SUBJECT TO CHANGE

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Del Mar Analytical

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 007

Report Number: INJ1888

Sampled: 10/27/04
Received: 10/27/04

DRAFT: METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Raw Qual	Qual Code
Sample ID: INJ1888-01 (DRAFT: Outfall 007 - Water)											
Reporting Units: mg/l											
Lead	EPA 200.8	4K01058	0.00013	0.0010	**0.00025**	1	11/01/04	11/02/04	J	J	

DRAFT REPORT
DRAFT REPORT
DATA SUBJECT TO CHANGE

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CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Package ID T711MT55
Task Order 313150010
SDG No. IOB1556
No. of Analyses 1

Laboratory Del Mar
Reviewer P. Meeks
Analysis/Method Metals

Date: 03/28/05
Reviewer's Signature P. Meeks

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,** Holding Times GC/MS Tune/Inst. Performance Calibrations Blanks Surrogates Matrix Spike/Dup LCS Field QC Internal Standard Performance Compound Identification and Quantitation System Performance	Qualifications applied for: 1. Detects below the reporting limit. 2. Negative results and detects in the blanks. 3. Reporting limit check standard recovery outliers
COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.

[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

Data Qualifier Reference Table

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quanti–tation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified; the associated numerical value is the approx-imate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evi-dence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value repre-sents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the re-ported sample quantitation limit. However, the reported quantitation limit is approx-imate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or may not be present).

Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D were noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) or calibration blank.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination from trip blank.	Not applicable.
+	False positive – reported compound was not present. Not applicable.	
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination from FB, or ER.	Presumed contamination from FB or ER.
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
DNQ	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.

*#	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).

DATA VALIDATION REPORT

NPDES
Monitoring

ANALYSIS: METALS

SAMPLE DELIVERY GROUP: IOB1556

Prepared by

AMEC—Denver Operations
550 South Wadsworth Boulevard, Suite 500
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010
SDG#:	IOB1556
Project Manager:	B. McIlvaine
Matrix:	Water
Analysis:	Metals
QC Level:	Level IV
No. of Samples:	1
No. of Reanalyses/Dilutions:	0
Reviewer:	P. Meeks
Date of Review:	March 28, 2005

The samples listed in Table 1 were validated based on the guidelines outlined in the *AMEC Data Validation Procedure for Levels III and IV ICP-MS Metals, (DVP-5-A, Rev.0), AMEC Data Validation Procedure for Levels III and IV ICP Metals* (DVP-5, Rev. 0), SW-846 *Method 6020B for Inductively Coupled Plasma – Mass Spectrometry*, SW-846 *Method 6010B for Inductively Coupled Plasma* , and validation guidelines outlined in the USEPA CLP *National Functional Guidelines for Inorganic Data Review* (2/94). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample identification

Client ID	EPA ID	Laboratory ID	Matrix	COC Method
Outfall 004	Outfall 004	IOB1556-01	water	ILM04

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The sample in this SDG was received at the laboratory within the temperature limits of 4°C ±2°C. No sample preservation, handling, or transport problems were noted, and no qualifications were necessary.

2.1.2 Chain of Custody

The COC was signed and dated by field and laboratory personnel and accounted for the sample and analyses presented in this SDG. A duplicate samples was submitted for Outfall 004; however, duplicate analyses were not required. No sample qualifications were required.

2.1.3 Holding Times

The date of collection recorded on the COC and the dates of analyses recorded in the raw data, documented that the sample analyses were performed within the specified holding times of six months for the ICP and ICP/MS metals. No qualifications were required.

2.2 ICP-MS TUNING

A precalibration routine must be completed prior to calibrating the instrument, which consists of analyzing a tuning solution to verify resolution, mass calibration, and thermal stability. The solution must be analyzed a minimum of five times and must contain isotopes representing all mass regions of interest. All %RSDs were less than 5%. The mass calibrations were within 0.1 amu of the true mass and the instrument resolutions were less than 0.75 amu at 5 percent peak height for all analytes in the tune solution. No site sample qualifications were required.

2.3 CALIBRATION

The ICV and CCV results showed acceptable recoveries, 90-110% for ICP and ICP/MS metals. Arsenic and silver were recovered below the control limit in the ICP reporting limit check standard at 61% and 51%, respectively; therefore, nondetected arsenic and silver in Outfall 004 were qualified as estimated, "UJ." Aluminum was recovered above the limit in the ICP reporting limit check standard; however, as aluminum was detected in Outfall 004, at ≥3×RL, no qualifications were required. The remaining reporting limit check standards were recovered within the AMEC control limits of 70-130%. No further sample qualifications were required.

2.4 BLANKS

Selenium was reported in a bracketing CCB at -0.0095 mg/L; therefore, nondetected selenium in Outfall 004 was qualified as estimated, "UJ." Zinc was detected in method blank 5B24093-BLK1 at 0.0078 mg/L; therefore, zinc detected in Outfall 004 was qualified as estimated, "UJ." No further qualifications were required due to the method and calibration blank results.

2.5 ICP INTERFERENCE CHECK SAMPLE (ICS A/AB)

ICSA and ICSAB analyses were included in the raw data for the ICP-MS analyses. Results were not provided for spiked interferents sulfur, phosphorus, carbon, and chloride, and lead was not spiked into the ICSAB solution. The results for sodium and potassium were above the calibration range of the instrument in all the ICSA and ICSAB analyses, and aluminum was recovered below the control limit at 78% and above the calibration range in the ICSAB analyses; however, as these analytes were not reported in the site samples, no qualifications were required. The validator reviewed the raw data for the site sample ICP/MS analyses for the level of reported interferents, Al, Ca, Fe, and Mg, and determined that the level of reported interferents were not high enough to cause matrix affects. No assessment could be made with respect to possible interference from sulfur, phosphorus, carbon, and chloride.

ICSA and ICSAB analyses were included in the raw data for the ICP analyses, but were not run on the days the site sample was analyzed. The recoveries for the interferents and the other spiked analytes were within the control limits of 80-120%. In the ICSA analysis there was a negative result for chromium that greater than the absolute value of the reporting limit. The validator reviewed the raw data for the site sample ICP analyses for the level of reported interferents, Al, Ca, Fe, and Mg, and determined that the level of reported interferents were not high enough to cause matrix affects. No qualifications were required.

2.6 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

The ICP/MS LCS sample was identified as 5B24099-BS1 and the ICP LCS sample was identified as 5B24093-BS2. The LCS results on the summary forms and in the raw data were within the laboratory-established ICP and ICP/MS control limits of 85-115%. No qualifications were required.

2.7 LABORATORY DUPLICATES

No MS/MSD or laboratory duplicate analyses were performed in association with the sample in this SDG; therefore, no assessment was made with respect to this criterion.

2.8 MATRIX SPIKE

No MS/MSD analyses were performed in association with the sample in this SDG; therefore, no assessment was made with respect to this criterion. Method accuracy was evaluated based on LCS results.

2.9 FURNACE ATOMIC ABSORPTION QC

Furnace atomic absorption was not utilized for the analysis of this sample; therefore, furnace atomic absorption QC is not applicable.

2.10 ICP/MS AND ICP SERIAL DILUTION

No serial dilution analyses were performed in association with the sample in this SDG; therefore, no assessment was made with respect to this criterion.

2.11 INTERNAL STANDARDS PERFORMANCE

The ICP-MS internal standard recoveries for the site sample and associated QC sample analyses were within the 60-125% control limits and no qualifications were required.

2.12 SAMPLE RESULT VERIFICATION

A Level IV review was performed for the sample in this data package. Calculations were verified, and the sample results reported on the Form Is were verified against the raw data. No transcription errors or calculation errors were noted. Analytes detected below the reporting limit were qualified as estimated, "J." No further qualifications were required.

2.13 FIELD QC SAMPLES

Field QC samples are evaluated, and if necessary, qualified based only on laboratory blanks. Any remaining detects are used to evaluate the associated samples.

2.13.1 Field Blanks and Equipment Rinsates

The sample in this SDG had no associated field QC samples. No qualifications were required.

2.13.2 Field Duplicates

There were no field duplicate analyses performed in association with the site sample.

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Annual Outfall 004
Report Number: IOB1556

Sampled: 02/18/05
Received: 02/18/05

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Rw Qual	Qual Codes
Sample ID: IOB1556-01 (DRAFT: Outfall 004 - Water) - cont.											
Reporting Units: mg/l											
Arsenic	EPA 200.7	5B24093	0.0038	0.0050	ND	1	02/24/05	02/25/05		UJ	*3
Beryllium	EPA 200.7	5B24093	0.00062	0.0020	ND	1	02/24/05	02/25/05		U	
Chromium	EPA 200.7	5B24093	0.00068	0.0050	**0.0012**	1	02/24/05	02/25/05		J	DNQ
Nickel	EPA 200.7	5B24093	0.0020	0.010	ND	1	02/24/05	02/25/05		U	
Selenium	EPA 200.7	5B24093	0.0046	0.0050	ND	1	02/24/05	02/26/05		UJ	B
Silver	EPA 200.7	5B24093	0.0013	0.010	ND	1	02/24/05	02/26/05		UJ	*3
Zinc	EPA 200.7	5B24093	0.0037	0.020	**0.0059**	1	02/24/05	02/25/05		UJ	B

AMEC VALIDATED

DRAFT REPORT
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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Annual Outfall 004
Report Number: IOB1556

Sampled: 02/18/05
Received: 02/18/05

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers		
									Raw Qual		Qual Code
Sample ID: IOB1556-01 (DRAFT: Outfall 004 - Water) - cont.											
Reporting Units: ug/l											
Aluminum	EPA 200.7	5B24093	47	50	**350**	1	02/24/05	02/26/05			
Lead	EPA 200.8	5B24099	0.13	1.0	**0.35**	1	02/24/05	02/25/05	J	J	DNQ
Vanadium	EPA 200.7	5B24093	1.4	10	**2.3**	1	02/24/05	02/25/05	J	J	DNQ

LEVEL IV
AMEC VALIDATED

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CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Package ID T711MT51
Task Order 313150010
SDG No. IOB1002
No. of Analyses 1

Laboratory Del Mar Analytical
Reviewer L. Jarusewic
Analysis/Method Metals

Date: 03/28/05
Reviewer's Signature L. Jarusewic

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications applied for detects below the reporting limit.
Holding Times	
GC/MS Tune/Inst. Performance	
Calibrations	
Blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification and Quantitation	
System Performance	

COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.

[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

Data Qualifier Reference Table

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or may not be present).

Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D were noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) or calibration blank.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination from trip blank.	Not applicable.
+	False positive – reported compound was not present. Not applicable.	
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination from FB, or ER.	Presumed contamination from FB or ER.
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
DNQ	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.

*#	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).

DATA VALIDATION REPORT

NPDES
Monitoring

ANALYSIS: METALS

SAMPLE DELIVERY GROUP: IOB1002

Prepared by

AMEC—Denver Operations
550 South Wadsworth Boulevard, Suite 500
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010
SDG#:	IOB1002
Project Manager:	B. McIlvaine
Matrix:	Water
Analysis:	Metals
QC Level:	Level IV
No. of Samples:	1
No. of Reanalyses/Dilutions:	0
Reviewer:	L. Jarusewic
Date of Review:	March 28, 2005

The samples listed in Table 1 were validated based on the guidelines outlined in the *AMEC Data Validation Procedure for Levels III and IV ICP-MS Metals, (DVP-5-A, Rev.0), AMEC Data Validation Procedure for Levels III and IV ICP Metals* (DVP-5, Rev. 0), SW-846 *Method 6020B for Inductively Coupled Plasma – Mass Spectrometry*, and validation guidelines outlined in the USEPA CLP *National Functional Guidelines for Inorganic Data Review* (2/94). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample identification

Client ID	EPA ID	Laboratory ID	Matrix	COC Method
Outfall 004	Outfall 004	IOB1002-01	water	ILM04

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The sample in this SDG was received at the laboratory within the temperature limits of 4°C ±2°C. No sample preservation, handling, or transport problems were noted, and no qualifications were necessary.

2.1.2 Chain of Custody

The COC was signed and dated by field and laboratory personnel and accounted for the sample and analysis presented in this SDG. A memo from MWH personnel dated 02/17/05 requested a change of analysis from annual to routine constituents. A duplicate sample was submitted for the sample in this SDG; however, duplicate analyses were not required. No sample qualifications were required.

2.1.3 Holding Times

The date of collection recorded on the COC and the date of analysis recorded in the raw data, documented that the sample analysis was performed within the specified holding times of six months for the ICP/MS metals. No qualifications were required.

2.2 ICP-MS TUNING

A precalibration routine must be completed prior to calibrating the instrument, which consists of analyzing a tuning solution to verify resolution, mass calibration, and thermal stability. The solution must be analyzed a minimum of five times and must contain isotopes representing all mass regions of interest. All %RSDs were less than 5%. The mass calibrations were within 0.1 amu of the true mass and the instrument resolutions were less than 0.75 amu at 5 percent peak height for all analytes in the tune solution. No site sample qualifications were required.

2.3 CALIBRATION

The ICV and CCV results showed acceptable recoveries, 90-110% for lead and the reporting limit check standards were recovered within the AMEC control limits of 70-130%. No sample qualifications were required.

2.4 BLANKS

The method blanks and bracketing ICB/CCBs associated with sample Outfall 004 were nondetects at the laboratory's MDL for lead. No sample qualifications were required.

2.5 ICP INTERFERENCE CHECK SAMPLE (ICS A/AB)

ICSA and ICSAB analyses were included in the raw data for the ICP-MS analysis. Results were not provided for spiked interferents sulfur, phosphorus, carbon, titanium, and chloride. Lead was not spiked into the ICSAB solution; therefore, these results could not be assessed. The results for sodium and potassium were above the calibration range of the instrument in the ICSA and ICSAB analyses; however, as these analytes were not reported in the site sample, no qualifications were required. The validator reviewed the raw data for the site sample ICP/MS analyses for the level of reported interferents, Al, Ca, Fe, and Mg, and determined that the concentration of interferents was not high enough to cause matrix effects. No assessment could be made with respect to possible interference from sulfur, phosphorus, carbon, titanium, and chloride. No qualifications were required.

2.6 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

The ICP/MS LCS sample was identified as 5B17129-BS1. The LCS result on the summary form and in the raw data was within the laboratory-established ICP/MS control limits of 85-115%. No qualifications were required.

2.7 LABORATORY DUPLICATES

No MS/MSD analyses were performed in association with the sample in this SDG; therefore, no assessment was made with respect to this criterion.

2.8 MATRIX SPIKE

No MS/MSD or laboratory duplicate analyses were performed in association with the sample in this SDG; therefore, no assessment was made with respect to this criterion. Method accuracy was evaluated based on LCS results.

2.9 FURNACE ATOMIC ABSORPTION QC

Furnace atomic absorption was not utilized for the analysis of this sample; therefore, furnace atomic absorption QC is not applicable.

2.10 ICP/MS AND ICP SERIAL DILUTION

No serial dilution analyses were performed in association with the sample in this SDG; therefore, no assessment was made with respect to this criterion.

2.11 INTERNAL STANDARDS PERFORMANCE

The ICP-MS internal standard recoveries for the site sample and associated QC sample analyses were within the 60-125% control limits and no qualifications were required.

2.12 SAMPLE RESULT VERIFICATION

A Level IV review was performed for the sample in this data package. Calculations were verified, and the sample result reported on the Form I was verified against the raw data. No transcription errors or calculation errors were noted. Lead detected below the reporting limit was qualified as estimated, "J." No further qualifications were required.

2.13 FIELD QC SAMPLES

Field QC samples are evaluated, and if necessary, qualified based only on laboratory blanks. Any remaining detects are used to evaluate the associated samples.

2.13.1 Field Blanks and Equipment Rinsates

The sample in this SDG had no associated field QC samples. No qualifications were required.

2.13.2 Field Duplicates

There were no field duplicate analyses performed in association with the site sample.

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 004
Report Number: IOB1002

Sampled: 02/11/05
Received: 02/11/05

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers		
									DQ QUAL		LAB CODES
Sample ID: IOB1002-01 (DRAFT: Outfall 004 - Water)											
Reporting Units: ug/l											
Lead	EPA 200.8	5B17129	0.13	1.0	**0.27**	1	02/17/05	02/22/05	J	J	DNQ

AMEC VALIDATED

LEVEL I

DRAFT REPORT
DRAFT REPORT
DATA SUBJECT TO CHANGE

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Package ID T711MT47
Task Order 313150010
SDG No. Multiple
No. of Analyses 5

Laboratory Del Mar
Reviewer P. Meeks
Analysis/Method Metals

Date: 03/29/05
Reviewer's Signature
P. Meeks

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications were applied for detects below the reporting limit.
Holding Times	
GC/MS Tune/Inst. Performance	
Calibrations	
Blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification and Quantitation	
System Performance	

COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

Data Qualifier Reference Table

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quanti–tation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified; the associated numerical value is the approx-imate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evi-dence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value repre-sents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the re-ported sample quantitation limit. However, the reported quantitation limit is approx-imate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or may not be present).

Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D were noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) or calibration blank.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination from trip blank.	Not applicable.
+	False positive – reported compound was not present. Not applicable.	
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination from FB, or ER.	Presumed contamination from FB or ER.
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
DNQ	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.

*#	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).

DATA VALIDATION REPORT

NPDES
Monitoring

ANALYSIS: METALS

SAMPLE DELIVERY GROUPS: IOC0449, IOC0450, IOC0451, IOC0452 & IOC0453

Prepared by

AMEC—Denver Operations
550 South Wadsworth Boulevard, Suite 500
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010
SDG#:	IOC0449, IOC0450, IOC0451, IOC0452 & IOC0453
Project Manager:	B. McIlvaine
Matrix:	Water
Analysis:	Metals
QC Level:	Level IV
No. of Samples:	5
No. of Reanalyses/Dilutions:	0
Reviewer:	P. Meeks
Date of Review:	March 29, 2005

The samples listed in Table 1 were validated based on the guidelines outlined in the *AMEC Data Validation Procedure for Levels III and IV ICP-MS Metals, (DVP-5-A, Rev.0)*, *AMEC Data Validation Procedure for Levels III and IV ICP Metals* (DVP-5, Rev. 0), SW-846 *Method 6020B for Inductively Coupled Plasma – Mass Spectrometry*, and validation guidelines outlined in the USEPA CLP *National Functional Guidelines for Inorganic Data Review* (2/94). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample identification

Client ID	EPA ID	Laboratory ID	Matrix	COC Method
Outfall 003	Outfall 003	IOC0449-01	water	ILM04
Outfall 004	Outfall 004	IOC0450-01	water	ILM04
Outfall 005	Outfall 005	IOC0451-01	water	ILM04
Outfall 006	Outfall 006	IOC0452-01	water	ILM04
Outfall 007	Outfall 007	IOC0453-01	water	ILM04

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The samples in these SDGs were received at the laboratory within the temperature limits of 4°C ±2°C. No sample preservation, handling, or transport problems were noted, and no qualifications were necessary.

2.1.2 Chain of Custody

The COCs were signed and dated by field and laboratory personnel. The COCs accounted for the samples and analyses presented in these SDGs. Duplicate samples were submitted for all the samples in these SDGs; however, duplicate analyses were not required. No sample qualifications were required.

2.1.3 Holding Times

The dates of collection recorded on the COCs and the dates of analyses recorded in the raw data, documented that the sample analyses were performed within the specified holding times of six months for the ICP/MS metals. No qualifications were required.

2.2 ICP-MS TUNING

A precalibration routine must be completed prior to calibrating the instrument, which consists of analyzing a tuning solution to verify resolution, mass calibration, and thermal stability. The solution must be analyzed a minimum of five times and must contain isotopes representing all mass regions of interest. All %RSDs were less than 5%. The mass calibrations were within 0.1 amu of the true mass and the instrument resolutions were less than 0.75 amu at 5 percent peak height for all analytes in the tune solution. No site sample qualifications were required.

2.3 CALIBRATION

The ICV and CCV results showed acceptable recoveries, 90-110% for ICP/MS metals. The reporting limit check standards were recovered within the AMEC control limits of 70-130%. No sample qualifications were required.

2.4 BLANKS

Lead was not detected in any of the blanks associated with these SDGs. No qualifications were required due to the method and calibration blank results.

2.5 ICP INTERFERENCE CHECK SAMPLE (ICS A/AB)

ICSA and ICSAB standards were not analyzed in association with the samples in this SDG; therefore, no assessment can be made with respect to this criterion.

2.6 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

The ICP/MS LCS sample was identified as 5C08106-BS1 and the LCS result on the summary forms and in the raw data was within the laboratory-established ICP/MS control limits of 85-115%. No qualifications were required.

2.7 LABORATORY DUPLICATES

No MS/MSD or laboratory duplicate analyses were performed in association with the samples in these SDGs; therefore, no assessment was made with respect to this criterion.

2.8 MATRIX SPIKE

No MS/MSD analyses were performed in association with the samples in these SDGs; therefore, no assessment was made with respect to this criterion. Method accuracy was evaluated based on the LCS result.

2.9 FURNACE ATOMIC ABSORPTION QC

Furnace atomic absorption was not utilized for the analysis of these samples; therefore, furnace atomic absorption QC is not applicable.

2.10 ICP/MS AND ICP SERIAL DILUTION

No serial dilution analyses were performed in association with the samples in these SDGs; therefore, no assessment was made with respect to this criterion.

2.11 INTERNAL STANDARDS PERFORMANCE

The ICP-MS internal standard recoveries for the site samples and associated QC sample analyses were within the 60-125% control limits and no qualifications were required.

2.12 SAMPLE RESULT VERIFICATION

A Level IV review was performed for the samples in these data packages. Calculations were verified, and the sample results reported on the Form Is were verified against the raw data. No transcription errors or calculation errors were noted. Lead detected below the reporting limit was qualified as estimated, "J." No further qualifications were required.

2.13 FIELD QC SAMPLES

Field QC samples are evaluated, and if necessary, qualified based only on laboratory blanks. Any remaining detects are used to evaluate the associated samples.

2.13.1 Field Blanks and Equipment Rinsates

The samples in these SDGs had no associated field QC samples. No qualifications were required.

2.13.2 Field Duplicates

There were no field duplicate analyses performed in association with the site samples.

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 003
Routine Outfall 003
Report Number: IOC0449

Sampled: 03/04/05
Received: 03/04/05

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	
									Rev Qual	Qual Code
Sample ID: IOC0449-01 (DRAFT: Outfall 003 - Water)										
Reporting Units: ug/l										
Lead	EPA 200.8	5C08106	0.13	1.0	**0.13**	1	03/08/05	03/09/05	J	DNQ

AMEC VALIDATED

DRAFT REPORT
DRAFT REPORT
DATA SUBJECT TO CHANGE

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 004
Routine Outfall 004
Report Number: IOC0450

Sampled: 03/04/05
Received: 03/04/05

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Rev Qual	Qual Code
Sample ID: IOC0450-01 (DRAFT: Outfall 004 - Water)											
Reporting Units: ug/l											
Lead	EPA 200.8	5C08106	0.13	1.0	**0.49**	1	03/08/05	03/09/05	J	J	DNQ

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 005
Routine Outfall 005
Report Number: IOC0451

Sampled: 03/04/05
Received: 03/04/05

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Rev Qual	Qual Code
Sample ID: IOC0451-01 (DRAFT: Outfall 005 - Water)											
Reporting Units: ug/l											
Lead	EPA 200.8	5C08106	0.13	1.0	ND	1	03/08/05	03/09/05	U		

AMEC VALIDATED

DRAFT REPORT
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DATA SUBJECT TO CHANGE

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 006
Routine Outfall 006
Report Number: IOC0452

Sampled: 03/04/05
Received: 03/04/05

DRAFT: METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers: Rev Qual	Data Qualifiers: Qual Code
Sample ID: IOC0452-01 (DRAFT: Outfall 006 - Water)									
Reporting Units: ug/l									
Lead	EPA 200.8	5C08106	1.0	**1.7**	1	3/8/2005	3/9/2005		

AMEC VALIDATED

DRAFT REPORT
DRAFT REPORT
DATA SUBJECT TO CHANGE

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

Del Mar Analytical

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 007
Report Number: IOC0453

Sampled: 03/04/05
Received: 03/04/05

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers (Rev Qual / Qual Code)
Sample ID: IOC0453-01 (DRAFT: Outfall 007 - Water)									
Reporting Units: ug/l									
Lead	EPA 200.8	5C08106	0.13	1.0	**1.1**	1	03/08/05	03/09/05	

ANEC VALIDATED

DRAFT REPORT
DRAFT REPORT
DATA SUBJECT TO CHANGE

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Laboratory Del Mar
Reviewer P. Meeks
Analysis/Method Lead

Package ID T711MT4
Task Order 313150010
SDG No. Multiple
No. of Analyses 4

Date: 11/24/04
Reviewer's Signature

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	
Holding Times	
GC/MS Tune/Inst. Performance	
Calibrations	
Blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification and Quantitation	
System Performance	
COMMENTS[b]	Acceptable was reviewed.

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.

[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

DATA VALIDATION REPORT

NPDES
Monitoring

ANALYSIS: METALS

SAMPLE DELIVERY GROUPS: INJ1111, INJ1112, INJ1113, INJ1114

Prepared by

AMEC—Denver Operations
550 South Wadsworth Boulevard, Suite 500
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010
SDG#:	INJ1111, INJ1112, INJ1113, INJ1114
Project Manager:	B. McIlvaine
Matrix:	Water
Analysis:	Metals
QC Level:	Level IV
No. of Samples:	4
No. of Reanalyses/Dilutions:	0
Reviewer:	P. Meeks
Date of Review:	November 24, 2004

The samples listed in Table 1 were validated based on the guidelines outlined in the *AMEC Data Validation Procedure for Levels C and D metals and cyanide (DVP-5, Rev. 2), AMEC Data Validation Procedure for Levels III and IV ICP Metals* (DVP-5, Rev. 0), SW-846 *Method 6010B for Inductively Coupled Plasma – Atomic Emission Spectrometry*, SW-846 *Method 7471A for Mercury (Manual Cold-Vapor Technique)*, and validation guidelines outlined in the USEPA CLP *National Functional Guidelines for Inorganic Data Review* (2/94). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample identification

Client ID	EPA ID	Laboratory ID	Matrix	COC Method
Outfall 003	Outfall 003	INJ1111-001	water	ILM04
Outfall 005	Outfall 005	INJ1112-001	water	ILM04
Outfall 004	Outfall 004	INJ1113-001	water	ILM04
Outfall 006	Outfall 006	INJ1114-001	water	ILM04

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The samples in this SDG were received at the laboratory within the temperature limits of 4°C ±2°C. No sample preservation, handling, or transport problems were noted, and no qualifications were necessary.

2.1.2 Chain of Custody

The COCs were signed and dated by field and laboratory personnel and accounted for the samples and analyses presented in this data package. No sample qualifications were required.

2.1.3 Holding Times

The dates of collection recorded on the COC and the dates of analysis recorded in the raw data, documented that all sample analyses were performed within the specified holding times of six months for lead. No qualifications were assigned to sample results.

2.2 ICP-MS TUNING

The ICP-MS tuning criteria do not apply to samples analyzed only by ICP. No qualifications were required.

2.3 CALIBRATION

The ICV and CCV results showed acceptable %Rs, 90-110% for lead. A reporting limit check standard was analyzed for lead. The recovery for the reporting limit standard was within AMEC control limits of 80-120%. No sample qualifications were required due to calibration.

2.4 BLANKS

No detects were reported in the calibration and method blanks associated with the samples in this SDG. No sample qualifications were required due to calibration.

2.5 ICP INTERFERENCE CHECK SAMPLE (ICS A/AB)

The results for the ICS analyses reported on the Form IVs were within established control limits. Positive result for lead greater than the IDLs but less than the CRDLs was reported in the ISCA analysis. The validator reviewed the raw data for the site sample ICP analyses for the level of interferents Al, Ca, Fe, and Mg, and found that the level of interferents in the site samples were too low to cause possible interferences. No qualifications were required due to the ICS results.

2.6 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

The ICP LCS sample was identified as 4J22048-BS1. The LCS result on the quality control reporting forms and in the raw data was within the laboratory-established ICP control limits of 85-115%. No qualifications were required.

2.7 LABORATORY DUPLICATES

The MS/MSD analyses were performed on sample Outfall 005 in association with the samples in this SDG. The RPD for lead was within the control limit of $\pm$20%. No qualifications were required.

2.8 MATRIX SPIKE

The MS/MSD analyses were performed on sample Outfall 005 in association with the samples in this SDG. The recoveries were within the laboratory-established control limits of 70-130%. No qualifications were required.

2.9 FURNACE ATOMIC ABSORPTION QC

Furnace atomic absorption was not utilized for the analysis of these samples; therefore, furnace atomic absorption QC is not applicable.

2.10 ICP SERIAL DILUTION

No serial dilution analysis was performed in association with the samples in this SDG; therefore, no assessment was made with respect to this criterion.

2.11 INTERNAL STANDARDS PERFORMANCE

The ICP-MS internal standard criteria do not apply to samples analyzed only by ICP. No qualifications were required.

2.12 SAMPLE RESULT VERIFICATION

A Level IV review was performed for all samples in this data package. Calculations were verified, and sample results reported on the Form Is were verified against the raw data. No transcription errors or calculations errors were noted. Lead detected below the reporting limit in Outfall 004, Outfall 005, and Outfall 006 was qualified as estimated, "J," by the laboratory. No further qualifications were required.

2.13 FIELD QC SAMPLES

Field QC samples are evaluated, and if necessary, qualified based only on laboratory blanks. Any remaining detects are used to evaluate the associated samples.

2.13.1 Field Blanks and Equipment Rinsates

The samples in this SDG had no associated field QC samples. No qualifications were required.

2.13.2 Field Duplicates

There were no field duplicate analyses performed in association with the site samples reported in this data package.

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Semiannual Outfall 003
Report Number: INJ1111

Sampled: 10/17/04
Received: 10/17/04

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INJ1111-01 (DRAFT: Outfall 003 - Water)									Lab Qual | Qual Code
Reporting Units: mg/l									
Lead	EPA 200.8	4J22048	0.00013	0.0010	**0.0028**	1	10/22/04	10/26/04	

DRAFT REPORT
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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Semiannual Outfall 004

Report Number: INJ1113

Sampled: 10/17/04
Received: 10/17/04

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Qual Code
Sample ID: INJ1113-01 (DRAFT: Outfall 004 - Water)									Rev Qual	
Reporting Units: mg/l										
Lead	EPA 200.8	4J22048	0.00013	0.0010	**0.00073**	1	10/22/04	10/26/04	J	J

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Semiannual Outfall 005
Report Number: INJ1112

Sampled: 10/17/04
Received: 10/17/04

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	
									Rec Qual	Qual Code
Sample ID: INJ1112-01 (DRAFT: Outfall 005 - Water)										
Reporting Units: mg/l										
Lead	EPA 200.8	4J22048	0.00013	0.0010	**0.00040**	1	10/22/04	10/26/04	J	J

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Semiannual Outfall 006
Report Number: INJ1114

Sampled: 10/17/04
Received: 10/17/04

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Lab Qual	Qual Code
Sample ID: INJ1114-01 (DRAFT: Outfall 006 - Water)											
Reporting Units: mg/l											
Lead	EPA 200.8	4J22048	0.00013	0.0010	**0.00069**	1	10/22/04	10/26/04		J	J

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CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Package ID T711MT33
Task Order 313150010
SDG No. IOA1803, IOA1804
No. of Analyses 2

Laboratory Del Mar Analytical
Reviewer K. Okonzak
Analysis/Method Metals

Date: 3/14/05
Reviewer's Signature

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications applied for:
Holding Times	Detects below the reporting limit were qualified as estimated, "J."
GC/MS Tune/Inst. Perform	
Calibrations	
Blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification and Quantitation	
System Performance	
COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

Data Qualifier Reference Table

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or may not be present).

Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D were noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) or calibration blank.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination from trip blank.	Not applicable.
+	False positive – reported compound was not present. Not applicable.	
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination from FB, or ER.	Presumed contamination from FB or ER.
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
DNQ	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.

*#	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).

DATA VALIDATION REPORT

NPDES
Monitoring

ANALYSIS: METALS

SAMPLE DELIVERY GROUPS: IOA1803, IOA1804

Prepared by

AMEC—Denver Operations
550 South Wadsworth Boulevard, Suite 500
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010
SDG#:	IOA1803, IOA1804
Project Manager:	B. McIlvaine
Matrix:	Water
Analysis:	Metals
QC Level:	Level IV
No. of Samples:	2
No. of Reanalyses/Dilutions:	0
Reviewer:	K. Okonzak-Lowry
Date of Review:	March 14, 2005

The samples listed in Table 1 were validated based on the guidelines outlined in the *AMEC Data Validation Procedure for Levels III and IV ICP-MS Metals, (DVP-5-A, Rev.0), AMEC Data Validation Procedure for Levels III and IV ICP Metals* (DVP-5, Rev. 0), SW-846 *Method 6020B for Inductively Coupled Plasma – Mass Spectrometry*, SW-846 *Method 6010B for Inductively Coupled Plasma* , SW-846 *Method 7471A for Mercury (Manual Cold-Vapor Technique)*, and validation guidelines outlined in the USEPA CLP *National Functional Guidelines for Inorganic Data Review* (2/94). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample identification

Client ID	EPA ID	Laboratory ID	Matrix	COC Method
Outfall 006	Outfall 006	IOA1803-01	water	ILM04
Outfall 004	Outfall 004	IOA1804-01	water	ILM04

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The samples in these SDGs were received at the laboratory within the temperature limits of 4°C ±2°C. No sample preservation, handling, or transport problems were noted, and no qualifications were necessary.

2.1.2 Chain of Custody

The COCs were signed and dated by field and laboratory personnel. The COCs listed duplicate samples for both site samples; however, duplicate analyses were not required. No sample qualifications were required.

2.1.3 Holding Times

The dates of collection recorded on the COCs and the dates of analyses recorded in the raw data, documented that the sample analyses were performed within the specified holding times of six months for the ICP/MS metals. No qualifications were required.

2.2 ICP-MS TUNING

A precalibration routine must be completed prior to calibrating the instrument, which consists of analyzing a tuning solution to verify resolution, mass calibration, and thermal stability. The solution must be analyzed a minimum of five times and must contain isotopes representing all mass regions of interest. The laboratory performed the required tune solution analyses. The %RSDs for the tune were all within the 5% control limit. The mass calibrations were within 0.1 amu of the true mass and the instrument resolutions were less than 0.75 amu at 5 percent peak height for all analytes in the tune solution. No site sample qualifications were required.

2.3 CALIBRATION

The ICV and CCV results showed acceptable recoveries, 90-110% for the ICP/MS. The applicable reporting limit check standards were recovered within the AMEC control limits of 70-130%. No qualifications were required.

2.4 BLANKS

The method blanks and bracketing ICBs/CCBs associated with the samples in these SDGs were nondetected at the laboratory's MDL for lead. No sample qualifications were required.

2.5 ICP INTERFERENCE CHECK SAMPLE (ICS A/AB)

There were no ICP/MS interference check sample analyses performed in association with the site sample results reported in these data packages; therefore, the samples were not assessed for this criterion.

2.6 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

The ICP/MS LCS sample was identified as 5B02059-BS1. The LCS result on the summary form and in the raw data was within the laboratory-established ICP/MS control limits of 85-115%. No qualifications were required.

2.7 LABORATORY DUPLICATES

No MS/MSD or duplicate analyses were performed in association with the samples in these SDGs; therefore, no assessment was made with respect to this criterion.

2.8 MATRIX SPIKE

No MS/MSD analyses were performed in association with the samples in these SDGs; therefore, no assessment was made with respect to this criterion. Method accuracy was evaluated based on LCS results.

2.9 FURNACE ATOMIC ABSORPTION QC

Furnace atomic absorption was not utilized for the analysis of these samples; therefore, furnace atomic absorption QC is not applicable.

2.10 ICP/MS SERIAL DILUTION

No serial dilution analysis was performed in association with the samples in these SDGs; therefore, no assessment was made with respect to this criterion.

2.11 INTERNAL STANDARDS PERFORMANCE

The ICP-MS internal standard recoveries for the site samples and associated QC sample analyses were within the 60-125% control limits and no qualifications were required.

2.12 SAMPLE RESULT VERIFICATION

A Level IV review was performed for the samples in these data packages. Calculations were verified, and the sample results reported on the Form Is were verified against the raw data. No transcription errors or calculation errors were noted. Analytes detected below the reporting limit were qualified as estimated, "J." No qualifications were required.

2.13 FIELD QC SAMPLES

Field QC samples are evaluated, and if necessary, qualified based only on laboratory blanks. Any remaining detects are used to evaluate the associated samples.

2.13.1 Field Blanks and Equipment Rinsates

The samples in these SDGs had no associated field QC samples. No qualifications were required.

2.13.2 Field Duplicates

There were no field duplicate analyses performed in association with the site samples.

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 006
Report Number: IOA1803

Sampled: 01/28/05
Received: 01/28/05

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOA1803-01 (DRAFT: Outfall 006 - Water)									Rev Qual / Qual Code
Reporting Units: ug/l									
Lead	EPA 200.8	5B02059	0.13	1.0	**1.6**	1	02/02/05	02/04/05	

AMEC VALIDATED

Level IV

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DATA SUBJECT TO CHANGE

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 004
Report Number: IOA1804

Sampled: 01/28/05
Received: 01/28/05

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Rev Qual	Qual Code
Sample ID: IOA1804-01 (DRAFT: Outfall 004 - Water)											
Reporting Units: ug/l											
Lead	EPA 200.8	5B02059	0.13	1.0	**0.36**	1	02/02/05	02/04/05	J	J	DNQ

AMEC VALIDATED

Level IV

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CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Laboratory Del Mar
Reviewer P. Meeks
Analysis/Method Metals

Package ID T711MT25
Task Order 313150010
SDG No. Multiple
No. of Analyses 4

Date: 02/03/05
Reviewer's Signature
P. Meeks for K Okuzak

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications were applied for lead detected below the reporting limit.
Holding Times	
GC/MS Tune/Inst. Performance	
Calibrations	
Blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification and Quantitation	
System Performance	

COMMENTS[b]

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.

[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

Data Qualifier Reference Table

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quanti–tation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified; the associated numerical value is the approx-imate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evi-dence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value repre-sents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the re-ported sample quantitation limit. However, the reported quantitation limit is approx-imate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or may not be present).

Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D were noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) or calibration blank.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination from trip blank.	Not applicable.
+	False positive – reported compound was not present. Not applicable.	
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination from FB, or ER.	Presumed contamination from FB or ER.
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
DNQ	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.

*#	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).

DATA VALIDATION REPORT

NPDES
Monitoring

ANALYSIS: METALS

SAMPLE DELIVERY GROUPS: IOA0458, IOA0460, IOA0464, & IOA0466

Prepared by

AMEC—Denver Operations
550 South Wadsworth Boulevard, Suite 500
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010
SDG#:	IOA0458, IOA0460, IOA0464, & IOA0466
Project Manager:	B. McIlvaine
Matrix:	Water
Analysis:	Metals
QC Level:	Level IV
No. of Samples:	4
No. of Reanalyses/Dilutions:	0
Reviewer:	K. Okonzak-Lowry
Date of Review:	February 02, 2005

The samples listed in Table 1 were validated based on the guidelines outlined in the *AMEC Data Validation Procedure for Levels III and IV ICP-MS Metals, (DVP-5-A, Rev.0), AMEC Data Validation Procedure for Levels III and IV ICP Metals* (DVP-5, Rev. 0), SW-846 *Method 6020B for Inductively Coupled Plasma – Mass Spectrometry*, SW-846 *Method 6010B for Inductively Coupled Plasma* , SW-846 *Method 7471A for Mercury (Manual Cold-Vapor Technique)*, and validation guidelines outlined in the USEPA CLP *National Functional Guidelines for Inorganic Data Review* (2/94). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample identification

Client ID	EPA ID	Laboratory ID	Matrix	COC Method
Outfall 006	Outfall 006	IOA0458-01	water	ILM04
Outfall 004	Outfall 004	IOA0460-01	water	ILM04
Outfall 005	Outfall 005	IOA0464-01	water	ILM04
Outfall 003	Outfall 003	IOA0466-01	water	ILM04

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The samples in these SDGs were received at the laboratory within the temperature limits of 4°C ±2°C. No sample preservation, handling, or transport problems were noted, and no qualifications were necessary.

2.1.2 Chain of Custody

The COCs were signed and dated by field and laboratory personnel. The COCs listed duplicate samples for all samples; however, duplicate analyses were not required. No sample qualifications were required.

2.1.3 Holding Times

The dates of collection recorded on the COCs and the dates of analyses recorded in the raw data, documented that the sample analyses were performed within the specified holding times of six months for the ICP/MS metals. No qualifications were required.

2.2 ICP-MS TUNING

A precalibration routine must be completed prior to calibrating the instrument, which consists of analyzing a tuning solution to verify resolution, mass calibration, and thermal stability. The solution must be analyzed a minimum of five times and must contain isotopes representing all mass regions of interest. The laboratory performed the required tune solution analyses but did not report %RSDs. The laboratory SOP states that to be acceptable, the %RSD must be less than 5%. The mass calibrations were within 0.1 amu of the true mass and an the instrument resolutions were less than 0.9 amu at 10 percent peak height for all analytes in the tune solution. No site sample qualifications were required.

2.3 CALIBRATION

The ICV and CCV results showed acceptable recoveries, 90-110% for the ICP/MS. The reporting limit check standards were recovered within the AMEC control limits of 70-130%. No qualifications were required.

2.4 BLANKS

Lead was not detected in any of the method blanks or CCBs associated with the samples in these SDGs. No qualifications were required.

2.5 ICP INTERFERENCE CHECK SAMPLE (ICS A/AB)

No ICPMS interference check samples were analyzed in association with the samples in these SDGs; therefore, no assessment was made with respect to this criterion.

2.6 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

The ICP/MS LCS samples were identified as 5A10077-BS1 and 5A11081-BS1. The LCS results on the summary forms and in the raw data were within the laboratory-established ICP/MS control limits of 85-115%. No qualifications were required.

2.7 LABORATORY DUPLICATES

No MS/MSD or duplicate analyses were performed in association with the samples in these SDGs; therefore, no assessment was made with respect to this criterion.

2.8 MATRIX SPIKE

No MS/MSD analyses were performed in association with the samples in these SDGs; therefore, no assessment was made with respect to this criterion.

2.9 FURNACE ATOMIC ABSORPTION QC

Furnace atomic absorption was not utilized for the analysis of these samples; therefore, furnace atomic absorption QC is not applicable.

2.10 ICP/MS SERIAL DILUTION

No serial dilution analysis was performed in association with the samples in these SDGs; therefore, no assessment was made with respect to this criterion.

2.11 INTERNAL STANDARDS PERFORMANCE

The ICP-MS internal standard recoveries for the site samples and associated QC sample analyses were within the 60-125% control limits and no qualifications were required.

2.12 SAMPLE RESULT VERIFICATION

A Level IV review was performed for the samples in these data packages. Calculations were verified, and the sample results reported on the Form Is were verified against the raw data. No transcription errors or calculation errors were noted. Lead detected below the reporting limit were qualified as estimated, "J." No further qualifications were required.

2.13 FIELD QC SAMPLES

Field QC samples are evaluated, and if necessary, qualified based only on laboratory blanks. Any remaining detects are used to evaluate the associated samples.

2.13.1 Field Blanks and Equipment Rinsates

The samples in these SDGs had no associated field QC samples. No qualifications were required.

2.13.2 Field Duplicates

There were no field duplicate analyses performed in association with the site samples.

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 006
Report Number: IOA0458

Sampled: 01/10/05
Received: 01/10/05

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	
									Rev Qual	Qual Code
Sample ID: IOA0458-01 (DRAFT: Outfall 006 - Water)										
Reporting Units: ug/l										
Lead	EPA 200.8	5A10077	0.13	1.0	**0.63**	1	01/10/05	01/11/05	J1	DNQ

AMEC VALIDATED

LEVEL IV

1/12/05

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 004
Report Number: IOA0460

Sampled: 01/10/05
Received: 01/10/05

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers Rev Qual	Qual Code
Sample ID: IOA0460-01 (DRAFT: Outfall 004 - Water)										
Reporting Units: ug/l										
Lead	EPA 200.8	5A10077	0.13	1.0	**0.22**	1	01/10/05	01/11/05	J A	UNQ

AMEC VALIDATED

LEVEL IV

Karl 2/03/05

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 005
Report Number: IOA0464

Sampled: 01/10/05
Received: 01/10/05

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers Rev Qual	Data Qualifiers Anal Code
Sample ID: IOA0464-01 (DRAFT: Outfall 005 - Water)										
Reporting Units: ug/l										
Lead	EPA 200.8	5A11081	0.13	1.0	**0.36**	1	01/11/05	01/11/05	J	DNQ

AMEC VALIDATED

LEVEL IV

KAR 2/03/05

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Semiannual Outfall 003
Report Number: IOA0466

Sampled: 01/10/05
Received: 01/10/05

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Rev Qual / Qual Code
Sample ID: IOA0466-01 (DRAFT: Outfall 003 - Water)										
Reporting Units: ug/l										
Lead	EPA 200.8	5A10077	0.13	1.0	0.51	1	01/10/05	01/11/05	J1	DNQ

AMEC VALIDATED

LEVEL IV

CM
2/8/05

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CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Package ID T711MT22
Task Order 3131500120
SDG No. IOA0027, 0028, 0029
No. of Analyses 3

Laboratory Del Mar Analytical
Reviewer K. Okonzak
Analysis/Method metals

Date: 2/01/05
Reviewer's Signature

ACTION ITEMS[a]	
1. **Case Narrative** / **Deficiencies**	
2. **Out of Scope** / **Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy** / **Deliverables**	
5. **Incorrect Hardcopy** / **Deliverables**	
6. **Deviations from Analysis**	Qualifications applied for lead detected between the MDL and the reporting limit.
Protocol, e.g.,	The mercury reanalysis, for sample Outfall 004 was rejected, "R," and the original mercury analysis was reported for this sample. The reanalysis confirmed the original mercury detect.
Holding Times	
GC/MS Tune/Inst. Perform	
Calibrations	
Blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification and Quantitation	
System Performance	
COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.

[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

Data Qualifier Reference Table

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or may not be present).

Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D were noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) or calibration blank.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination from trip blank.	Not applicable.
+	False positive – reported compound was not present. Not applicable.	
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination from FB, or ER.	Presumed contamination from FB or ER.
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
DNQ	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.

*#	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).

DATA VALIDATION REPORT

NPDES
Monitoring

ANALYSIS: METALS

SAMPLE DELIVERY GROUP: IOA0027, IOA0028, IOA0029

Prepared by

AMEC—Denver Operations
550 South Wadsworth Boulevard, Suite 500
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010
SDG#:	IOA0027, IOA0028, IOA0029
Project Manager:	B. McIlvaine
Matrix:	Water
Analysis:	Metals
QC Level:	Level IV
No. of Samples:	3
No. of Reanalyses/Dilutions:	0
Reviewer:	K. Okonzak
Date of Review:	February 1, 2005

The samples listed in Table 1 were validated based on the guidelines outlined in the *AMEC Data Validation Procedure for Levels III and IV ICP-MS Metals, (DVP-5-A, Rev.0), AMEC Data Validation Procedure for Levels III and IV ICP Metals* (DVP-5, Rev. 0), SW-846 *Method 6020B for Inductively Coupled Plasma – Mass Spectrometry*, SW-846 *Method 7471A for Mercury (Manual Cold-Vapor Technique)*, and validation guidelines outlined in the USEPA CLP *National Functional Guidelines for Inorganic Data Review* (2/94). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample identification

Client ID	EPA ID	Laboratory ID	Matrix	COC Method
Outfall 004	Outfall 004	IOA0027-01	water	ILM04
Outfall 005	Outfall 005	IOA0028-01	water	ILM04
Outfall 006	Outfall 006	IOA0029-01	water	ILM04

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The samples in these SDGs were received at the laboratory within the temperature limits of 4°C ±2°C. No sample preservation, handling, or transport problems were noted, and no qualifications were necessary.

2.1.2 Chain of Custody

The COCs were signed and dated by field and laboratory personnel. The COCs listed duplicate samples for metals analysis for all three site samples. A duplicate analysis, Outfall 004-RE1, was performed for mercury for sample Outfall 004 to confirm the mercury detect reported for this sample. Since the reanalysis confirmed the mercury result, the reanalysis was rejected, and the original mercury analysis was reported for sample Outfall 004. Duplicate analyses were not required for the lead results reported for the three site samples. No sample qualifications were required.

2.1.3 Holding Times

The date of collection recorded on the COCs and the dates of analysis recorded in the raw data, documented that the sample analysis was performed within the specified holding times of six months for the ICP/MS lead and 28 days for mercury. No qualifications were assigned.

2.2 ICP-MS TUNING

The ICP-MS tuning solution analyses are not included in the raw data package; therefore, the samples were not assessed for this criterion.

2.3 CALIBRATION

The ICV and CCV results showed acceptable %Rs, 90-110% for the ICP/MS and 80-120% for mercury. The ICP/MS and mercury 0.2 ppb check standards were within the laboratory-established control limits, and no sample qualifications were required due to calibration.

2.4 BLANKS

The calibration and method blanks associated with the samples in these SDGs were nondetected for mercury and lead at the laboratory MDL; therefore, no sample qualifications were required due to the blanks.

2.5 ICP INTERFERENCE CHECK SAMPLE (ICS A/AB)

Results were not provided for ICP-MS spiked interferents sulfur, phosphorus, carbon, titanium, and chloride. The results for aluminum, sodium, and potassium were above the calibration range of the instrument in both the ICSA and ICSAB analyses. Lead was not spiked into the ICSAB solution. The validator reviewed the raw data for the site sample ICP/MS analysis for the level of reported interferents, Al, Ca, Fe, and Mg, and determined that the concentration of interferents was not high enough to cause matrix affects. No assessment could be made with respect to possible interference from sulfur, phosphorus, carbon, and chloride. No qualifications were required.

2.6 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

The ICP/MS LCS was identified as 5A04040-BS1, and the mercury LCS samples were identified as 5A04047-BS1 and 5A20051-BS1. The LCS results on the summary form and in the raw data were within the laboratory-established ICP/MS and mercury control limits of 85-115%. No qualifications were required.

2.7 LABORATORY DUPLICATES

The laboratory MS/MSD analyses were performed on sample Outfall 005. The precision between the MS/MSD aliquots was within the 20% RPD control limit for the lead and mercury analyses, and no sample qualifications were required.

2.8 MATRIX SPIKE

The laboratory MS/MSD analyses were performed on sample Outfall 005. The MS/MSD recoveries for lead and mercury were within the 70-130%R control limit, and no sample qualifications were required.

2.9 FURNACE ATOMIC ABSORPTION QC

Furnace atomic absorption was not utilized for the analysis of the samples; therefore, furnace atomic absorption QC is not applicable.

2.10 ICP/MS SERIAL DILUTION

No serial dilution analysis was performed in association with the samples in these data packages; therefore, no assessment was made with respect to this criterion.

2.11 INTERNAL STANDARDS PERFORMANCE

The ICP-MS internal standard recoveries for the site sample and associated QC sample analyses were within the 60-125% control limits used for validation, and no qualifications were required.

2.12 SAMPLE RESULT VERIFICATION

A Level IV review was performed for the samples in these data packages. Calculations were verified, and the sample results reported on the Form Is were verified against the raw data. No transcription errors or calculation errors were noted. Lead detected below the reporting limit in all three site samples was qualified as estimated, "J," by the laboratory. Outfall 004 was reanalyzed for mercury and reported as Outfall 004 RE1. As the original and reanalysis results were similar, the reanalysis, Outfall 004 RE1, was rejected, "R," in favor of the original result, Outfall 004. No further qualifications were required.

2.13 FIELD QC SAMPLES

Field QC samples are evaluated, and if necessary, qualified based only on laboratory blanks. Any remaining detects are used to evaluate the associated samples.

2.13.1 Field Blanks and Equipment Rinsates

The samples in these SDGs had no associated field QC samples. No qualifications were required.

2.13.2 Field Duplicates

There were no field duplicate analyses performed in association with the site samples reported in these data packages.

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 004
Report Number: IOA0027

Sampled: 01/03/05
Received: 01/03/05

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers Rev Qual	Data Qual Code
Sample ID: IOA0027-01 (DRAFT: Outfall 004 - Water)										
Reporting Units: ug/l										
Lead	EPA 200.8	5A04040	0.13	1.0	**0.50**	1	01/04/05	01/04/05	J	DNQ
Mercury	EPA 245.1	5A04047	0.063	0.20	**0.23**	1	01/04/05	01/04/05		
Sample ID: IOA0027-01RE1 (DRAFT: Outfall 004 - Water)										
Reporting Units: ug/l										
Mercury	EPA 245.1	5A20051	0.063	0.20	**0.22**	1	01/04/05	01/20/05	R	D

AMEC VALIDATED

KML 1/01/05

LEVEL IV

DRAFT REPORT
DRAFT REPORT
DATA SUBJECT TO CHANGE

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 005
Report Number: IOA0023

Sampled: 01/03/05
Received: 01/03/05

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers Rev Qual	Qual Code
Sample ID: IOA0028-01 (DRAFT: Outfall 005 - Water)										
Reporting Units: ug/l										
Lead	EPA 200.8	5A04040	0.13	1.0	**0.19**	1	01/04/05	01/04/05	J	DNQ

kmc 2/01/05

AMEC VALIDATED

LEVEL IV

DRAFT REPORT
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DATA SUBJECT TO CHANGE

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 006

Report Number: IOA0029

Sampled: 01/03/05
Received: 01/03/05

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers Rev Qual	Qual Code
Sample ID: IOA0029-01 (DRAFT: Outfall 006 - Water)										
Reporting Units: ug/l										
Lead	EPA 200.8	5A04040	0.13	1.0	**0.67**	1	01/04/05	01/04/05	J	DNQ

AMEC VALIDATED

LEVEL IV

KMW 2/01/05

DRAFT REPORT
DRAFT REPORT
DATA SUBJECT TO CHANGE

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CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Laboratory Del Mar
Reviewer P. Meeks
Analysis/Method Metals

Package ID T711MT13
Task Order 313150010
SDG No. Multiple
No. of Analyses 4

Date: 01/19/05
Reviewer's Signature

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications were applied for reporting limit standard recovery and detects below the reporting limit.
Holding Times	
GC/MS Tune/Inst. Performance	
Calibrations	
Blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification and Quantitation	
System Performance	

COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

Data Qualifier Reference Table

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quanti–tation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified; the associated numerical value is the approx-imate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evi-dence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value repre-sents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the re-ported sample quantitation limit. However, the reported quantitation limit is approx-imate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or may not be present).

Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D were noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) or calibration blank.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination from trip blank.	Not applicable.
+	False positive – reported compound was not present. Not applicable.	
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination from FB, or ER.	Presumed contamination from FB or ER.
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
DNQ	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.

*#	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).

DATA VALIDATION REPORT

NPDES
Monitoring

ANALYSIS: METALS

SAMPLE DELIVERY GROUPS:
INL1654, INL1655, INL1656, INL1657

Prepared by

AMEC—Denver Operations
550 South Wadsworth Boulevard, Suite 500
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010
SDG#:	INL1654, INL1655, INL1656, INL1657
Project Manager:	B. McIlvaine
Matrix:	Water
Analysis:	Metals
QC Level:	Level IV
No. of Samples:	4
No. of Reanalyses/Dilutions:	0
Reviewer:	P. Meeks
Date of Review:	January 19, 2005

The samples listed in Table 1 were validated based on the guidelines outlined in the *AMEC Data Validation Procedure for Levels III and IV ICP-MS Metals, (DVP-5-A, Rev.0), AMEC Data Validation Procedure for Levels III and IV ICP Metals* (DVP-5, Rev. 0), SW-846 *Method 6020B for Inductively Coupled Plasma – Mass Spectrometry*, SW-846 *Method 7471A for Mercury (Manual Cold-Vapor Technique)*, and validation guidelines outlined in the USEPA CLP *National Functional Guidelines for Inorganic Data Review* (2/94). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample identification

Client ID	EPA ID	Laboratory ID	Matrix	COC Method
Outfall 005	Outfall 005	INL1654-01	water	ILM04
Outfall 006	Outfall 006	INL1655-01	water	ILM04
Outfall 004	Outfall 004	INL1656-01	water	ILM04
Outfall 003	Outfall 003	INL1657-01	water	ILM04

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The samples in these SDGs were received at the laboratory within the temperature limits of 4°C ±2°C. No sample preservation, handling, or transport problems were noted, and no qualifications were necessary.

2.1.2 Chain of Custody

The COCs were signed and dated by field and laboratory personnel. The COCs all listed duplicate samples, but no data was reported for these duplicate samples. No sample qualifications were required.

2.1.3 Holding Times

The dates of collection recorded on the COCs and the dates of analyses recorded in the raw data, documented that the sample analyses were performed within the specified holding times of six months for the ICP/MS metals and 28 days for mercury. No qualifications were required.

2.2 ICP-MS TUNING

The ICP-MS tuning solution analyses are not included in the raw data package; therefore, the sample is not assessed for this criterion.

2.3 CALIBRATION

The ICV and CCV results showed acceptable %Rs, 90-110% for the ICP/MS and 80-120% for mercury. Lead was recovered at 126% in the 2.0 ppb check standard; therefore, lead detected in the samples was qualified as estimated, "J." The remaining recoveries were within the AMEC control limits of 80-120% for MDL and reporting limit check standards. No further qualifications were required.

2.4 BLANKS

There were no detects in the CCBs or the method blanks associated with the site samples. No qualifications were required.

2.5 ICP INTERFERENCE CHECK SAMPLE (ICS A/AB)

Results were not provided for spiked interferents sulfur, phosphorus, carbon, titanium, and chloride. Lead was not spiked into the ICSAB solution. Aluminum was recovered below the control limits in the ICSA and ICSAB at 71% and 65%, respectively; however, as aluminum was not analyzed for, no qualifications were required. The remaining ICSA/AB recoveries were within the control limits of 80-120%. The validator reviewed the raw data for the site sample ICP/MS analysis for the level of reported interferents, Al, Ca, Fe, and Mg, and determined that the concentration of interferents was not high enough to cause matrix affects. No assessment could be made with respect to possible interference from sulfur, phosphorus, carbon, and chloride. No qualifications were required.

2.6 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

The ICP/MS LCS sample was identified as 4L28044-BS1 and the mercury LCS was identified as 4L28049-BS1. The LCS results on the summary form and in the raw data were within the laboratory-established ICP/MS and mercury control limits of 85-115%. No qualifications were required.

2.7 LABORATORY DUPLICATES

MS/MSD analyses were performed on Outfall 005 for lead. The RPD was less than the control limit of 20% and no qualifications were required.

2.8 MATRIX SPIKE

MS/MSD analyses were performed on Outfall 005 for lead. Both recoveries were within the AMEC control limits of 75-125%. Mercury accuracy was accessed based on LCS results. No qualifications were required

2.9 FURNACE ATOMIC ABSORPTION QC

Furnace atomic absorption was not utilized for the analysis of these samples; therefore, furnace atomic absorption QC is not applicable.

2.10 ICP/MS SERIAL DILUTION

No serial dilution analysis was performed in association with the samples in these SDGs; therefore, no assessment was made with respect to this criterion.

2.11 INTERNAL STANDARDS PERFORMANCE

The internal standards associated with the 0.2 and 2.0 ppb check standards were recovered marginally below the control limit, at 59% each, an possibly contributing to the high recovery of the 2.0 ppb check standard. As the site samples were qualified for the high 2.0 ppb check standard recovery, no further qualifications were required. The remaining ICP-MS internal standard recoveries for the site samples and associated QC sample analyses were within the 60-125% control limits and no qualifications were required.

2.12 SAMPLE RESULT VERIFICATION

A Level IV review was performed for the samples in this data package. Calculations were verified, and the sample results reported on the Form Is were verified against the raw data. No transcription errors or calculation errors were noted. Detects below the reporting limit were qualified as estimated, "J." No further qualifications were required.

2.13 FIELD QC SAMPLES

Field QC samples are evaluated, and if necessary, qualified based only on laboratory blanks. Any remaining detects are used to evaluate the associated samples.

2.13.1 Field Blanks and Equipment Rinsates

The samples in these SDGs had no associated field QC samples. No qualifications were required.

2.13.2 Field Duplicates

There were no field duplicate analyses performed in association with the site samples reported in these data packages.

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9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 005

Report Number: INL1654

Sampled: 12/27/04
Received: 12/27/04

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Rev Qual	Qual Code
Sample ID: INL1654-01 (DRAFT: Outfall 005 - Water)											
Reporting Units: mg/l											
Lead	EPA 200.8	4L28044	0.00013	0.0010	**0.00034**	1	12/28/04	12/28/04		J	X3, DM
Mercury	EPA 245.1	4L28049	0.000063	0.00020	**0.00020**	1	12/28/04	12/29/04			

PM
1/12/05

AMEC VALIDATED

LEVEL IV

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 006

Report Number: INL1655

Sampled: 12/27/04
Received: 12/27/04

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INL1655-01 (DRAFT: Outfall 006 - Water)									Rev Qual / Qual Code
Reporting Units: mg/l									
Lead	EPA 200.8	4L28044	0.00013	0.0010	**0.0013**	1	12/28/04	12/28/04	J / X3
Mercury	EPA 245.1	4L28049	0.000063	0.00020	**0.00022**	1	12/28/04	12/29/04	

AMEC VALIDATED

LEVEL IV

DRAFT REPORT
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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 004
Report Number: INL1656

Sampled: 12/27/04
Received: 12/27/04

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INL1656-01 (DRAFT: Outfall 004 - Water)									Rev Qual / Qual Code
Reporting Units: mg/l									
Lead	EPA 200.8	4L28044	0.00013	0.0010	**0.00065**	1	12/28/04	12/28/04	J / A / *3, D

PM
1/19/05

AMEC VALIDATED

LEVEL IV

DRAFT REPORT
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DATA SUBJECT TO CHANGE

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 003
Report Number: INL1657

Sampled: 12/27/04
Received: 12/27/04

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Rev Qual	Qual Code
Sample ID: INL1657-01 (DRAFT: Outfall 003 - Water)											
Reporting Units: mg/l											
Lead	EPA 200.8	4L28044	0.00013	0.0010	**0.00048**	1	12/28/04	12/28/04		J	*3, DN

AMEC VALIDATED

LEVEL IV

DRAFT REPORT
DRAFT REPORT
DATA SUBJECT TO CHANGE

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CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Package ID T711MT12
Task Order 313150010
SDG No. Multiple
No. of Analyses 4

Laboratory Del Mar
Reviewer P. Meeks
Analysis/Method Metals

Date: 01/11/05
Reviewer's Signature P. Meeks

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications were applied for: 1) Calibration verification standard recovery outlier; 2) Lead detected below the reporting limit.
Holding Times	
GC/MS Tune/Inst. Performance	
Calibrations	
Blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification and Quantitation	
System Performance	

COMMENTS[b]

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

Data Qualifier Reference Table

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quanti–tation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified; the associated numerical value is the approx-imate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evi-dence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value repre-sents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the re-ported sample quantitation limit. However, the reported quantitation limit is approx-imate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or may not be present).

Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D were noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) or calibration blank.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination from trip blank.	Not applicable.
+	False positive – reported compound was not present. Not applicable.	
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination from FB, or ER.	Presumed contamination from FB or ER.
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
DNQ	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.

*#	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).

DATA VALIDATION REPORT

NPDES
Monitoring

ANALYSIS: METALS

SAMPLE DELIVERY GROUPS:
INL0358, INL0359, INL0360, INL0361

Prepared by

AMEC—Denver Operations
550 South Wadsworth Boulevard, Suite 500
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010
SDG#:	INL0358, INL0359, INL0360, INL0361
Project Manager:	B. McIlvaine
Matrix:	Water
Analysis:	Metals
QC Level:	Level IV
No. of Samples:	4
No. of Reanalyses/Dilutions:	0
Reviewer:	P. Meeks
Date of Review:	January 11, 2005

The samples listed in Table 1 were validated based on the guidelines outlined in the *AMEC Data Validation Procedure for Levels III and IV ICP-MS Metals, (DVP-5-A, Rev.0)*, *AMEC Data Validation Procedure for Levels III and IV ICP Metals* (DVP-5, Rev. 0), SW-846 *Method 6020B for Inductively Coupled Plasma – Mass Spectrometry*, SW-846 *Method 7471A for Mercury (Manual Cold-Vapor Technique)*, and validation guidelines outlined in the USEPA CLP *National Functional Guidelines for Inorganic Data Review* (2/94). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample identification

Client ID	EPA ID	Laboratory ID	Matrix	COC Method
Outfall 008	Outfall 008	INL0358-01	water	ILM04
Outfall 006	Outfall 006	INL0359-01	water	ILM04
Outfall 004	Outfall 004	INL0360-01	water	ILM04
Outfall 003	Outfall 003	INL0361-01	water	ILM04

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The samples in these SDGs were received at the laboratory within the temperature limits of 4°C ±2°C. No sample preservation, handling, or transport problems were noted, and no qualifications were necessary.

2.1.2 Chain of Custody

The COCs were signed and dated by field and laboratory personnel. The COCs all listed duplicate samples, but no data was reported for these duplicate samples. No sample qualifications were required.

2.1.3 Holding Times

The dates of collection recorded on the COCs and the dates of analyses recorded in the raw data, documented that the sample analyses were performed within the specified holding times of six months for the ICP/MS metals. No qualifications were assigned.

2.2 ICP-MS TUNING

The ICP-MS tuning solution analyses are not included in the raw data package; therefore, the sample is not assessed for this criterion.

2.3 CALIBRATION

The ICV and CCV results showed acceptable %Rs, 90-110% for the ICP/MS. The ICP/MS 0.2 ppb check standard was recovered above the control limit for Outfall 006; therefore, lead detected in Outfall 006 was qualified as estimated, "J." The remaining ICP/MS 0.2 ppb and the reporting limit check standards were recovered within the AMEC control limits of 80-120%. No further qualifications were required.

2.4 BLANKS

Lead was not detected in the calibration and method blanks associated with the samples in these SDGs. No qualifications were required due to the blanks.

2.5 ICP INTERFERENCE CHECK SAMPLE (ICS A/AB)

Results were not provided for spiked interferents sulfur, phosphorus, carbon, and chloride and lead was not spiked into the ICSAB solution. Aluminum was recovered at 76% and 72% in the ICSA and ICSAB analyses associated with Outfall 006. The results for potassium and sodium were above the calibration range of the instrument in the ICSA and ICSAB analyses associated with Outfall 006 and the results for potassium, aluminum, and sodium were above the calibration range of the instrument in the ICSA and ICSAB analyses associated with Outfall 003, Outfall 004, and Outfall 005. The remaining ICSA/AB recoveries were within the control limits of 80-120%. The validator reviewed the raw data for the site sample ICP/MS analysis for the level of reported interferents, Al, Ca, Fe, and Mg, and determined that the level of reported interferents were not high enough to cause matrix affects. No assessment could be made with respect to possible interference from sulfur, phosphorus, carbon, and chloride. No qualifications were required.

2.6 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

The ICP/MS LCS samples were identified as 4L07111-BS1 and 4L07043-BS1. The LCS results on the summary form and in the raw data were within the laboratory-established ICP/MS control limits of 85-115%. No qualifications were required.

2.7 LABORATORY DUPLICATES

MS/MSD analyses were performed on Outfall 005 and Outfall 006 in association with the samples in these SDGs. Both RPDs were within the control limit of $\leq$20%. No qualifications were required.

2.8 MATRIX SPIKE

MS/MSD analyses were performed on Outfall 005 and Outfall 006 in association with the samples in these SDGs. All recoveries were within the AMEC-established control limits of 75-125%. No qualifications were required.

2.9 FURNACE ATOMIC ABSORPTION QC

Furnace atomic absorption was not utilized for the analysis of this sample; therefore, furnace atomic absorption QC is not applicable.

2.10 ICP/MS SERIAL DILUTION

No serial dilution analysis was performed in association with the sample in this SDG; therefore, no assessment was made with respect to this criterion.

2.11 INTERNAL STANDARDS PERFORMANCE

The ICP-MS internal standard recoveries for the site sample and associated QC sample analyses were within the 60-125% control limits used for validation, and no qualifications were required.

2.12 SAMPLE RESULT VERIFICATION

A Level IV review was performed for the samples in this data package. Calculations were verified, and the sample result reported on the Form I was verified against the raw data. No transcription errors or calculation errors were noted. Lead detected below the reporting limit in all samples was qualified as estimated, "J." No further qualifications were required.

2.13 FIELD QC SAMPLES

Field QC samples are evaluated, and if necessary, qualified based only on laboratory blanks. Any remaining detects are used to evaluate the associated samples.

2.13.1 Field Blanks and Equipment Rinsates

The samples in this SDG had no associated field QC samples. No qualifications were required.

2.13.2 Field Duplicates

There were no field duplicate analyses performed in association with the site samples reported in this data package.

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 005

Report Number: INL0358

Sampled: 12/05/04
Received: 12/05/04

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Qual Code
Sample ID: INL0358-01 (DRAFT: Outfall 005 - Water)									Raw Qual	Qual Code
Reporting Units: mg/l										
Lead	EPA 200.8	4L07043	0.00013	0.0010	**0.00043**	1	12/07/04	12/07/04	J	DNQ

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 006
Report Number: INL0359

Sampled: 12/05/04
Received: 12/05/04

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Rev Qual	Qual Code
Sample ID: INL0359-01 (DRAFT: Outfall 006 - Water)											
Reporting Units: mg/l											
Lead	EPA 200.8	4L07111	0.00013	0.0010	**0.00046**	1	12/07/04	12/08/04	J	J	DNQ,*

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9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-085
2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-362

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 004
Report Number: INL0360

Sampled: 12/05/04
Received: 12/05/04

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Rev Qual	Qual Code
Sample ID: INL0360-01 (DRAFT: Outfall 004 - Water)											
Reporting Units: mg/l											
Lead	EPA 200.8	4L07043	0.00013	0.0010	**0.00050**	1	12/07/04	12/07/04		J	DNQ

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9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-08
2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-36

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 003
Report Number: INL0361

Sampled: 12/05/04
Received: 12/05/04

DRAFT: METALS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Rev Qual	Qual Code
Sample ID: INL0361-01 (DRAFT: Outfall 003 - Water)											
Reporting Units: mg/l											
Lead	EPA 200.8	4L07043	0.00013	0.0010	**0.00093**	1	12/07/04	12/07/04		J	DNQ

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CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Package ID T711DF7
Task Order 313150010
SDG No. INJ1111, INJ1112, INJ1113
No. of Analyses 3

Laboratory Pace
Reviewer K. Shadowlight
Analysis/Method Dioxins

Date: December 20, 2004
Reviewer's Signature K. Shadowlight

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications were assigned for the following:
Holding Times	* EMPCs identified
GC/MS Tune/Inst. Performance	* Detects reported below the reporting limit
Calibration	
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification and Quantitation	
System Performance	

COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

Data Qualifier Reference Table

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or may not be present).

Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D were noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) or calibration blank.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination from trip blank.	Not applicable.
+	False positive – reported compound was not present. Not applicable.	
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination from FB, or ER.	Presumed contamination from FB or ER.
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
DNQ	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.

*#	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).

DATA VALIDATION REPORT

NPDES
Monitoring

ANALYSIS: DIOXINS/FURANS

SAMPLE DELIVERY GROUPS: INJ1111, INJ1112, INJ1113

Prepared by

AMEC—Denver Operations
550 South Wadsworth Boulevard, Suite 500
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010
Sample Delivery Group #:	INJ1111, INJ1112, INJ1113
Project Manager:	B. McIlvaine
Matrix:	Water
Analysis:	Dioxins/Furans
QC Level:	Level IV
No. of Samples:	3
No. of Reanalyses/Dilutions:	0
Reviewer:	K. Shadowlight
Date of Review:	December 20, 2004

The samples listed in Table 1 were validated based on the guidelines outlined in the *AMEC Data Validation Procedure for Dioxins and Furans (DVP-19, Rev. 1), EPA Method 1613, and the National Functional Guidelines For Chlorinated Dioxin/Furan Data Review* (8/02). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Client ID	Laboratory ID (Del Mar)	Laboratory ID (Pace)	Matrix	COC Method
Outfall 003	INJ1111-01	101623001	water	1613
Outfall 005	INJ1112-01	101622001	water	1613
Outfall 004	INJ1113-01	101625001	water	1613

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The samples in these SDGs were received at Del Mar Analytical and Pace Analytical within the temperature limits of 4°C ±2°C. The samples were received intact and in good condition at both laboratories. No qualifications were required.

2.1.2 Chain of Custody

The COC and transfer COC were signed by the appropriate field and laboratory personnel, and accounted for the analysis presented in these SDGs. No qualifications were required.

2.1.3 Holding Times

The samples were extracted and analyzed within a year of collection. No qualifications were required.

2.2 INSTRUMENT PERFORMANCE

Following are findings associated with instrument performance:

2.2.1 GC Column Performance

A column performance standard was combined with the daily calibration verification and analyzed at the beginning of each analytical sequence. The GC column performance was acceptable with the chromatographic separation of 2,3,7,8-TCDD and other TCDD isomers resolved with a valley of ≤25%. No qualifications were required.

2.2.2 Mass Spectrometer Performance

The mass spectrometer performance could not be evaluated as the laboratory did not provide selected ion current profile for the lock-mass ions. No qualifications were required.

2.3 CALIBRATION

2.3.1 Initial Calibration

There was one initial calibration, analyzed 09/22/04 on a DB-5 column. The calibration consisted of five concentration level standards (CS1 through CS5) analyzed to verify instrument linearity. The initial calibration was acceptable with %RSDs ≤20% for the 15 native compounds (calibration by isotope dilution)

and ≤35% for the 2 native and all labeled compounds (calibration by internal standard). The relative retention times and ion abundance ratios were within the QC limits listed in Method 1613 for all standards. A representative number of %RSDs was verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

2.3.2 Continuing Calibration

Calibration verification (VER) consisted of a mid-level standard (CS3) analyzed at the beginning and end of each analytical sequence. The laboratory provided only the VERs analyzed at the beginning of the sequence. The VERs were acceptable with the concentrations within the acceptance criteria listed in the Table 6 of EPA Method 1613. The ion abundance ratios and relative retention times were within the method QC limits. A representative number of %Ds were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

2.4 BLANKS

One method blank (BLANK-5729) was extracted and analyzed with these SDGs. Target compound OCDD was reported at a concentration below the reporting limits in the method blank. The aforementioned target compound was present in the site sample; however, the concentration in the sample exceeded 5× the amount reported in the method blank and required no qualification. A review of the method blank raw data showed no false positives or false negatives. No qualifications were required.

2.5 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

One LCS/LCSD pair (LCS-5730/LCSD-5731) was extracted and analyzed with these SDGs. Spiked target compounds 1,2,3,6,7,8-HxCDFD, 1,2,37,8,9-HxCDF, and 1,2,34,6,7, 8-HpCDF were recovered above the QC limits in the LCSD only. The remainining recoveries were within the acceptance criteria listed in Table 6 of the Method 1613. There were no QC limits established for RPDs. The reported RPDs were within ±20%. No qualifications were required.

2.6 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MS/MSD analyses were not performed on the sample in these SDGs. Evaluation of method accuracy and precision was based on the LCS/LCSD results. No qualifications were required.

2.7 FIELD QC SAMPLES

Following are findings associated with field QC:

2.7.1 Field Blanks and Equipment Rinsates

The samples in these SDGs had no associated field QC samples. No qualifications were required.

2.7.2 Field Duplicates

No field duplicate pair was identified for the samples in these SDGs. No qualifications were required.

2.8 INTERNAL STANDARDS

The labeled standard recoveries were within the acceptance criteria listed in Table 7 of Method 1613. No qualifications were required.

2.9 COMPOUND IDENTIFICATION

The laboratory analyzed for polychlorinated dioxins/furans by EPA Method 1613. The compound identifications were verified from the raw data and no false negatives or positives were noted. No qualifications were required.

2.10 COMPOUND QUANTIFICATION AND REPORTED DETECTION LIMITS

Compound quantitation was verified from the raw data. The laboratory calculated and reported compound-specific detection limits. Any result reported as an EMPC was qualified as estimated nondetect, "UJ." Any detect between the MDL and the compound specific reporting limit was qualified as estimated, "J," by the laboratory. No further qualifications were required.

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

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Pace Analytical™

Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	INJ1111-01 outfall 003		
Lab Sample ID	101623001		
Filename	F41105B_10		
Injected By	BAL		
Total Amount Extracted	1050 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	10/17/2004
ICAL Date	09/22/2004	Received	10/19/2004
CCal Filename(s)	F41105B_03	Extracted	11/02/2004
Method Blank ID	BLANK-5729	Analyzed	11/06/2004 04:14

Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	2.1		2,3,7,8-TCDF-13C	2.00	56
Total TCDF	2.7	-----	2.1	J	2,3,7,8-TCDD-13C	2.00	56
					1,2,3,7,8-PeCDF-13C	2.00	67
2,3,7,8-TCDD	ND	-----	3.6		2,3,4,7,8-PeCDF-13C	2.00	65
Total TCDD	ND	-----	3.6		1,2,3,7,8-PeCDD-13C	2.00	67
					1,2,3,4,7,8-HxCDF-13C	2.00	49
1,2,3,7,8-PeCDF	ND	-----	2.8		1,2,3,6,7,8-HxCDF-13C	2.00	52
2,3,4,7,8-PeCDF	9.9	-----	1.0	J	2,3,4,6,7,8-HxCDF-13C	2.00	55
Total PeCDF	32.0	-----	1.9	J	1,2,3,7,8,9-HxCDF-13C	2.00	58
					1,2,3,4,7,8-HxCDD-13C	2.00	59
1,2,3,7,8-PeCDD	ND	-----	2.4		1,2,3,6,7,8-HxCDD-13C	2.00	56
Total PeCDD	ND	-----	2.4		1,2,3,4,6,7,8-HpCDF-13C	2.00	53
					1,2,3,4,7,8,9-HpCDF-13C	2.00	48
1,2,3,4,7,8-HxCDF	5.4	-----	1.5	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	54
1,2,3,6,7,8-HxCDF	ND	-----	1.5		OCDD-13C	4.00	51
2,3,4,6,7,8-HxCDF	ND	-----	2.0				
1,2,3,7,8,9-HxCDF	ND	-----	1.8		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	150.0	-----	1.7		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	2.6		2,3,7,8-TCDD-37Cl4	0.20	92
1,2,3,6,7,8-HxCDD	42.0	-----	2.2	J			
1,2,3,7,8,9-HxCDD	3.8	-----	2.3	J			
Total HxCDD	110.0	-----	2.4				
1,2,3,4,6,7,8-HpCDF	69.0	-----	2.4				
1,2,3,4,7,8,9-HpCDF	ND	-----	3.9				
Total HpCDF	280.0	-----	3.2				
1,2,3,4,6,7,8-HpCDD	730.0	-----	6.3				
Total HpCDD	1100.0	-----	6.3				
OCDF	180.0	-----	4.1				
OCDD	5000.0	-----	6.6				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

AR CROSS-VALIDATED

Report No.....101623

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Pace Analytical™

Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	INJ1112-01 Outfall 005		
Lab Sample ID	101622001		
Filename	F41105B_09		
Injected By	BAL		
Total Amount Extracted	1040 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	10/17/2004
ICAL Date	09/22/2004	Received	10/19/2004
CCal Filename(s)	F41105B_03	Extracted	11/02/2004
Method Blank ID	BLANK-5729	Analyzed	11/06/2004 03:25

Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	2.4		2,3,7,8-TCDF-13C	2.00	74
Total TCDF	ND	-----	2.4		2,3,7,8-TCDD-13C	2.00	75
					1,2,3,7,8-PeCDF-13C	2.00	91
2,3,7,8-TCDD	ND	-----	2.3		2,3,4,7,8-PeCDF-13C	2.00	86
Total TCDD	ND	-----	2.3		1,2,3,7,8-PeCDD-13C	2.00	88
					1,2,3,4,7,8-HxCDF-13C	2.00	63
1,2,3,7,8-PeCDF	-----	1.5	1.3	I	1,2,3,6,7,8-HxCDF-13C	2.00	77
2,3,4,7,8-PeCDF	5.1	-----	1.6	J	2,3,4,6,7,8-HxCDF-13C	2.00	69
Total PeCDF	14.0	-----	1.5	J	1,2,3,7,8,9-HxCDF-13C	2.00	74
					1,2,3,4,7,8-HxCDD-13C	2.00	63
1,2,3,7,8-PeCDD	ND	-----	2.5		1,2,3,6,7,8-HxCDD-13C	2.00	75
Total PeCDD	ND	-----	2.5		1,2,3,4,6,7,8-HpCDF-13C	2.00	71
					1,2,3,4,7,8,9-HpCDF-13C	2.00	73
1,2,3,4,7,8-HxCDF	3.1	-----	2.1	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	65
1,2,3,6,7,8-HxCDF	ND	-----	2.1		OCDD-13C	4.00	72
2,3,4,6,7,8-HxCDF	2.2	-----	1.6	J			
1,2,3,7,8,9-HxCDF	ND	-----	2.1		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	73.0	-----	2.0		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	2.5		2,3,7,8-TCDD-37Cl4	0.20	70
1,2,3,6,7,8-HxCDD	16.0	-----	1.2	J			
1,2,3,7,8,9-HxCDD	ND	-----	1.3				
Total HxCDD	41.0	-----	1.7	J			
1,2,3,4,6,7,8-HpCDF	30.0	-----	2.1	J			
1,2,3,4,7,8,9-HpCDF	ND	-----	2.2				
Total HpCDF	100.0	-----	2.1				
1,2,3,4,6,7,8-HpCDD	310.0	-----	4.6				
Total HpCDD	540.0	-----	4.6				
OCDF	80.0	-----	2.0	J			
OCDD	2200.0	-----	5.0				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....101622

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Pace Analytical™

Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	INJ1113-01 outfall 004		
Lab Sample ID	101625001		
Filename	F41105B_12		
Injected By	BAL		
Total Amount Extracted	1030 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	10/17/2004
ICAL Date	09/22/2004	Received	10/19/2004
CCal Filename(s)	F41105B_03	Extracted	11/02/2004
Method Blank ID	BLANK-5729	Analyzed	11/06/2004 05:54

Rev Qual	Qual code	Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
J	*HQPM3	2,3,7,8-TCDF	3.1	-----	3.0	J	2,3,7,8-TCDF-13C	2.00	85
		Total TCDF	34.0	-----	3.0		2,3,7,8-TCDD-13C	2.00	87
							1,2,3,7,8-PeCDF-13C	2.00	97
U		2,3,7,8-TCDD	ND	-----	2.4		2,3,4,7,8-PeCDF-13C	2.00	94
U		Total TCDD	ND	-----	2.4		1,2,3,7,8-PeCDD-13C	2.00	97
							1,2,3,4,7,8-HxCDF-13C	2.00	74
J	*HQPM3	1,2,3,7,8-PeCDF	5.6	-----	2.5	J	1,2,3,6,7,8-HxCDF-13C	2.00	68
J	*HQPM3	2,3,4,7,8-PeCDF	20.0	-----	3.7	J	2,3,4,6,7,8-HxCDF-13C	2.00	81
		Total PeCDF	170.0	-----	3.1		1,2,3,7,8,9-HxCDF-13C	2.00	82
							1,2,3,4,7,8-HxCDD-13C	2.00	83
U		1,2,3,7,8-PeCDD	ND	-----	2.0		1,2,3,6,7,8-HxCDD-13C	2.00	83
U		Total PeCDD	ND	-----	2.0		1,2,3,4,6,7,8-HpCDF-13C	2.00	77
							1,2,3,4,7,8,9-HpCDF-13C	2.00	72
J	*HQPM3	1,2,3,4,7,8-HxCDF	36.0	-----	2.7	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	81
		1,2,3,6,7,8-HxCDF	11.0	-----	3.2	J	OCDD-13C	4.00	80
		2,3,4,6,7,8-HxCDF	27.0	-----	2.8	J			
		1,2,3,7,8,9-HxCDF	23.0	-----	4.0	J	1,2,3,4-TCDD-13C	2.00	NA
		Total HxCDF	480.0	-----	3.2		1,2,3,7,8,9-HxCDD-13C	2.00	NA
U		1,2,3,4,7,8-HxCDD	ND	-----	2.5		2,3,7,8-TCDD-37Cl4	0.20	82
		1,2,3,6,7,8-HxCDD	230.0	-----	2.9				
J	*HQPM3	1,2,3,7,8,9-HxCDD	14.0	-----	2.6	J			
		Total HxCDD	540.0	-----	2.7				
		1,2,3,4,6,7,8-HpCDF	380.0	-----	2.6				
J	*HQPM3	1,2,3,4,7,8,9-HpCDF	14.0	-----	5.2	J			
		Total HpCDF	1400.0	-----	3.9				
		1,2,3,4,6,7,8-HpCDD	4100.0	-----	8.6				
		Total HpCDD	6200.0	-----	8.6				
		OCDF	1000.0	-----	3.1				
		OCDD	29000.0	-----	8.3				

KS 11/12/04

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....101625

VALIDATED

REPORT OF LABORATORY ANALYSIS

LEVEL IV

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CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Laboratory Alta
Reviewer E. Wessling
Analysis/Method Dioxins/Furans by 1613

Package ID T711DF51
Task Order 313150010
SDG No. Mulitple
No. of Analyses 8

Date: December 22, 2005
Reviewer's Signature

ACTION ITEMS[a]	
1. Case Narrative Deficiencies	
2. Out of Scope Analyses	
3. Analyses Not Conducted	
4. Missing Hardcopy Deliverables	
5. Incorrect Hardcopy Deliverables	
6. Deviations from Analysis Protocol, e.g.,	Qualifications were assigned for the following:
Holding Times	-- false positive
GC/MS Tune/Inst. Performance	--estimated values between the RL and MDL
Calibration	--estimated maximum possible concentrations
Method blanks	--nonconfirmation of 2,3,7,8-TCDF
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification	
Quantitation	
System Performance	

COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

DATA VALIDATION REPORT

NPDES Monitoring Program

ANALYSIS: DIOXINS/FURANS

SAMPLE DELIVERY GROUPS: IOJ1186, IOJ1232, IOK0899, IOK0900, IOK0901, IOK0902, IOK0903, IOK0904

Prepared by

AMEC—Denver Operations
355 South Teller Street Suite 300
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010
Sample Delivery Group #:	Multiple
Project Manager:	P. Costa
Matrix:	Water
Analysis:	Dioxins/Furans
QC Level:	Level IV
No. of Samples:	8
No. of Reanalyses/Dilutions:	0
Reviewer:	E. Wessling
Date of Review:	December 21, 2005

The samples listed in Table 1 were validated based on the guidelines outlined in the *AMEC Data Validation Procedure for Dioxins and Furans (DVP-19, Rev. 1), EPA Method 1613, and the National Functional Guidelines For Chlorinated Dioxin/Furan Data Review* (8/02). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Client ID	Laboratory ID (Del Mar)	Laboratory ID (Alta)	Matrix	COC Method
Outfall 009	IOJ1232-01	26994-001	water	1613
Outfall 010	IOJ1186-01	26993-001	water	1613
Outfall 018	IOK0899-01	27025-001	water	1613
Outfall 003	IOK0900-01	27026-001	water	1613
Outfall 004	IOK0901-01	27027-001	water	1613
Outfall 005	IOK0902-01	27028-001	water	1613
Outfall 006	IOK0903-01	27029-001	water	1613
Outfall 009	IOK0904-01	27030-001	water	1613

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The samples in this SDG were received at Del Mar Analytical within the temperature limits of 4°C ±2° C. The samples were shipped to Alta for dioxin/furan analysis and were received within the temperature limits of 4°C ±2°C or slightly below for some of the samples. As none of the samples was noted to be damaged or frozen, no qualifications were required. According to the case narratives and laboratory login sheets, the samples were received intact and in good condition at both laboratories. No qualifications were required.

2.1.2 Chain of Custody

The COC and transfer COC were legible and signed by the appropriate field and laboratory personnel, and accounted for the analysis presented in these SDGs. As the samples were couriered directly to Del Mar Analytical-Irvine, custody seals were not required. The cooler received by Alta had no custody seals. The EPA IDs were added to the sample result summaries by the reviewer. No qualifications were required.

2.1.3 Holding Times

The samples were extracted and analyzed within a year of collection. No qualifications were required.

2.2 INSTRUMENT PERFORMANCE

Following are findings associated with instrument performance:

2.2.1 GC Column Performance

A Windows Defining Mix (WDM) containing the first and last eluting congeners of each descriptor and isomer specificity compounds was not analyzed prior to the initial calibration sequence or at the beginning of each analytical sequence; however, the first and last eluting congeners and isomer specificity compounds were added to the midpoint of the initial calibration and to the continuing calibration standards (see section 2.3.2). The GC column performance in the calibrations was acceptable, with the height of the valley between the closely eluting isomers and 2,3,7,8-TCDD reported as less than 25%. No qualifications were required.

2.2.2 Mass Spectrometer Performance

The mass spectrometer performance was acceptable with the static resolving power greater than 10,000. No qualifications were required.

2.3 CALIBRATION

2.3.1 Initial Calibration

The initial calibration was analyzed 6/06/2005. The calibration consisted of six concentration level standards (CS1 through CS6) analyzed to verify instrument linearity. The initial calibrations were acceptable with %RSDs ≤20% for the 16 native compounds (calibration by isotope dilution) and ≤35% for the one native and all labeled compounds (calibration by internal standard). The relative retention times and ion abundance ratios were within the QC limits listed in Method 1613 for all standards. A representative number of %RSDs were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

2.3.2 Continuing Calibration

Calibration verification (VER) consisted of a mid-level standard (CS3) analyzed at the beginning of each analytical sequence. The VER was acceptable with the concentrations within the acceptance criteria listed in Table 6 of EPA Method 1613. The ion abundance ratios and relative retention times were within the method QC limits. A representative number of %Ds were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

WDM and isomer specificity compounds were added to the VER standard instead of being analyzed separately, as noted in section 2.2.1 of this report. No adverse effect was observed with this practice.

2.4 BLANKS

One method blank (0-7516-MB001) was extracted and analyzed with the samples in this SDG. No target compounds were detected in the method blank and no qualifications were required. A review of the method blank raw data and chromatograms indicated no false negatives or false positives. No qualifications were required.

2.5 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

One blank spike (OPR 0-7516-OPR001) was extracted and analyzed with the samples in this SDG. All recoveries were within the acceptance criteria listed in Table 6 of Method 1613. No qualifications were required.

2.6 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MS/MSD analyses were not performed in this SDG. Evaluation of method accuracy was based on the OPR results. No qualifications were required.

2.7 FIELD QC SAMPLES

Following are findings associated with field QC:

2.7.1 Field Blanks and Equipment Rinsates

The samples in this SDG had no identified field QC samples. No qualifications were required.

2.7.2 Field Duplicates

No field duplicate samples were identified for this SDG.

2.8 INTERNAL STANDARDS

The labeled standard recoveries were within the acceptance criteria listed in Table 7 of Method 1613. No qualifications were required.

2.9 COMPOUND IDENTIFICATION

The laboratory analyzed for polychlorinated dioxins/furans by EPA Method 1613. The compound identifications were verified from the raw data and no false negatives or positives were noted with the exception of a false positive in Outfall 005 for 1,2,3,4,7,8-HxCDD. The sample was a nondetect Confirmation for 2,3,7,8-TCDF detected in samples Outfall 004, Outfall 005, and Outfall 006 was not performed; therefore, 2,3,7,8-TCDF was qualified as estimated, "J." No further qualifications were required.

2.10 COMPOUND QUANTIFICATION AND REPORTED DETECTION LIMITS

Compound quantitation was verified from the raw data. The laboratory calculated and reported compound-specific detection limits. Any detects below the laboratory lower calibration level were qualified as estimated, "J," by the laboratory. These "J" values were annotated with the qualification code of "DNQ" to comply with the reporting requirements of the NPDES permit. Any reported EMPC was qualified as an estimated nondetect, "UJ." No further qualifications were required.

ALTA

Sample ID:	IOJ1186-01	Dup/all 009		EPA Method 1613

Client Data		Sample Data		Laboratory Data			
Name:	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	26994-001	Date Received:	30-Nov-05
Project:	IOJ1186	Sample Size:	1.016 L	QC Batch No.:	7516	Date Extracted:	8-Dec-05
Date Collected:	18-Oct-05			Date Analyzed DB-5:	10-Dec-05	Dates Analyzed DB-225:	10-Dec-05
Time Collected:	1317						

Analyte	Conc. (ug/L)	DL [a]	EMPC[b]	Qualifiers
2,3,7,8-TCDD	0.0000343			
1,2,3,7,8-PeCDD	0.000162			
1,2,3,4,7,8-HxCDD	0.000266			
1,2,3,6,7,8-HxCDD	0.000756			
1,2,3,7,8,9-HxCDD	0.000567			
1,2,3,4,6,7,8-HpCDD	0.0162			
OCDD	0.251			*
2,3,7,8-TCDF	0.000419			
1,2,3,7,8-PeCDF	0.000571			
2,3,4,7,8-PeCDF	0.000369			
1,2,3,4,7,8-HxCDF	0.000330			
1,2,3,6,7,8-HxCDF	0.000320			D
2,3,4,6,7,8-HxCDF	0.000178			
1,2,3,7,8,9-HxCDF	0.0000547			
1,2,3,4,6,7,8-HpCDF	0.00212			
1,2,3,4,7,8,9-HpCDF	0.000150			
OCDF	0.00915			

Totals			
Total TCDD	0.000923		
Total PeCDD	0.00175		
Total HxCDD	0.00695		
Total HpCDD	0.0506		
Total TCDF	0.00598	0.00603	D
Total PeCDF	0.00634	0.00635	D
Total HxCDF	0.00400		D
Total HpCDF	0.00718		

	Labeled Standard	%R	LCL-UCL[d]	Qualifiers
IS	13C-2,3,7,8-TCDD	93.5	25 - 164	
	13C-1,2,3,7,8-PeCDD	89.8	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	84.6	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	83.1	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	87.2	23 - 140	
	13C-OCDD	72.7	17 - 157	*
	13C-2,3,7,8-TCDF	94.5	24 - 169	
	13C-1,2,3,7,8-PeCDF	90.0	24 - 185	
	13C-2,3,4,7,8-PeCDF	86.8	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	77.4	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	75.6	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	79.4	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	88.4	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	76.7	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	86.8	26 - 138	
	13C-OCDF	78.7	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	95.5	35 - 197	

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: WJL

Approved By: Martha M. Maier 12-Dec-2005 15:11

ALTA

Sample ID:	IOJ1232-01	Outfall 019			EPA Method 1613
Client Data		**Sample Data**		**Laboratory Data**	
Name:	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	26993-001
Project:	IOJ1232	Sample Size:	0.998 L	QC Batch No.:	7516
Date Collected:	18-Oct-05			Date Analyzed DB-5:	10-Dec-05
Time Collected:	1221			Date Received:	30-Nov-05
				Date Extracted:	8-Dec-05
				Dates Analyzed DB-225:	10-Dec-05

Qual Code / Real Qual

Real Qual	Qual Code	Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
J	DNQ	2,3,7,8-TCDD	0.00000294			J
		1,2,3,7,8-PeCDD	0.00000811			J
		1,2,3,4,7,8-HxCDD	0.00000544			J
		1,2,3,6,7,8-HxCDD	0.00000906			J
		1,2,3,7,8,9-HxCDD	0.00000774			J
		1,2,3,4,6,7,8-HpCDD	0.0000595			
		OCDD	0.000337			
		2,3,7,8-TCDF	0.0000230			
		1,2,3,7,8-PeCDF	0.0000252			A
		2,3,4,7,8-PeCDF	0.0000259			A
J	DNQ	1,2,3,4,7,8-HxCDF	0.0000227			J
		1,2,3,6,7,8-HxCDF	0.0000180			J
		2,3,4,6,7,8-HxCDF	0.0000131			J
		1,2,3,7,8,9-HxCDF	0.00000584			J
		1,2,3,4,6,7,8-HpCDF	0.0000311			A
J	DNQ	1,2,3,4,7,8,9-HpCDF	0.00000576			J
		OCDF	0.0000502			A

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	89.0	25 - 164	
	13C-1,2,3,7,8-PeCDD	89.1	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	83.8	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	83.6	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	82.0	23 - 140	
	13C-OCDD	63.2	17 - 157	
	13C-2,3,7,8-TCDF	86.2	24 - 169	
	13C-1,2,3,7,8-PeCDF	84.3	24 - 185	
	13C-2,3,4,7,8-PeCDF	83.7	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	73.0	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	59.3	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	79.8	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	85.7	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	74.4	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	82.2	26 - 138	
	13C-OCDF	68.4	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	96.5	35 - 197	

Totals		
Total TCDD	0.000174	0.000177
Total PeCDD	0.000134	0.000142
Total HxCDD	0.0000990	
Total HpCDD	0.000117	
Total TCDF	0.000582	
Total PeCDF	0.000317	0.000323
Total HxCDF	0.000146	0.000148
Total HpCDF	0.0000368	0.0000684

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: WJL

Approved By: Martha M. Maier 11-Dec-2005 09:53

ALTA

Sample ID: IOK0899-01 Outfall 018 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	27025-001	Date Received:	8-Dec-05
Project:	IOK0899	Sample Size:	1.011 L	QC Batch No.:	7516	Date Extracted:	8-Dec-05
Date Collected:	9-Nov-05			Date Analyzed DB-5:	10-Dec-05	Date Analyzed DB-225:	NA
Time Collected:	1146						

Rev Qual	Qual code	Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
U		2,3,7,8-TCDD	ND	0.000000763		
		1,2,3,7,8-PeCDD	ND	0.00000133		
		1,2,3,4,7,8-HxCDD	ND	0.00000329		
		1,2,3,6,7,8-HxCDD	ND	0.00000362		
		1,2,3,7,8,9-HxCDD	ND	0.00000347		
J	DNQ	1,2,3,4,6,7,8-HpCDD	0.0000143			J
		OCDD	0.000164			
U		2,3,7,8-TCDF	ND	0.00000115		
		1,2,3,7,8-PeCDF	ND	0.00000210		
		2,3,4,7,8-PeCDF	ND	0.00000200		
		1,2,3,4,7,8-HxCDF	ND	0.000000809		
		1,2,3,6,7,8-HxCDF	ND	0.00000112		
		2,3,4,6,7,8-HxCDF	ND	0.000000841		
		1,2,3,7,8,9-HxCDF	ND	0.00000129		
J	DNQ	1,2,3,4,6,7,8-HpCDF	0.00000187			J
U		1,2,3,4,7,8,9-HpCDF	ND	0.00000125		
J	DNQ	OCDF	0.00000642			J

Totals			
Total TCDD	ND	0.000000763	
Total PeCDD	ND	0.00000133	
Total HxCDD	ND	0.00000348	
Total HpCDD	0.0000307		
Total TCDF	ND	0.00000115	
Total PeCDF	ND	0.00000204	
Total HxCDF	ND	0.00000100	
Total HpCDF	0.00000187		0.00000480

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	90.0	25 - 164	
	13C-1,2,3,7,8-PeCDD	88.4	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	78.5	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	79.6	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	82.6	23 - 140	
	13C-OCDD	66.2	17 - 157	
	13C-2,3,7,8-TCDF	87.5	24 - 169	
	13C-1,2,3,7,8-PeCDF	84.3	24 - 185	
	13C-2,3,4,7,8-PeCDF	80.8	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	70.4	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	55.2	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	76.5	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	81.3	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	75.8	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	83.4	26 - 138	
	13C-OCDF	70.1	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	102	35 - 197	

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: WJL

Approved By: Martha M. Maier 10-Dec-2005 14:04

ALTA

Sample ID:	IOK0900-01 Outfall 003				EPA Method 1613
Client Data		**Sample Data**		**Laboratory Data**	
Name:	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	27026-001
Project:	IOK0900	Sample Size:	1.013 L	QC Batch No.:	7516
Date Collected:	9-Nov-05			Date Analyzed DB-5:	10-Dec-05
Time Collected:	1338			Date Received:	8-Dec-05
				Date Extracted:	8-Dec-05
				Date Analyzed DB-225:	NA

Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.00000101		
1,2,3,7,8-PeCDD	ND	0.00000100		
1,2,3,4,7,8-HxCDD	ND	0.00000232		
1,2,3,6,7,8-HxCDD	ND	0.00000226		
1,2,3,7,8,9-HxCDD	ND	0.00000229		
1,2,3,4,6,7,8-HpCDD	0.0000173			J
OCDD	0.000145			
2,3,7,8-TCDF	ND		0.00000172	
1,2,3,7,8-PeCDF	ND	0.00000223		
2,3,4,7,8-PeCDF	ND		0.00000181	
1,2,3,4,7,8-HxCDF	ND	0.000000951		
1,2,3,6,7,8-HxCDF	ND	0.000000908		
2,3,4,6,7,8-HxCDF	ND	0.00000105		
1,2,3,7,8,9-HxCDF	ND	0.00000163		
1,2,3,4,6,7,8-HpCDF	ND		0.00000271	
1,2,3,4,7,8,9-HpCDF	ND	0.00000188		
OCDF	0.00000510			J

Totals		
Total TCDD	0.00000112	
Total PeCDD	0.00000123	0.00000242
Total HxCDD	0.00000258	0.00000624
Total HpCDD	0.0000424	
Total TCDF	0.0000203	0.0000296
Total PeCDF	ND	0.0000130
Total HxCDF	0.00000224	
Total HpCDF	ND	0.00000503

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	87.8	25 - 164	
	13C-1,2,3,7,8-PeCDD	88.0	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	74.8	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	79.9	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	73.6	23 - 140	
	13C-OCDD	56.9	17 - 157	
	13C-2,3,7,8-TCDF	84.9	24 - 169	
	13C-1,2,3,7,8-PeCDF	85.8	24 - 185	
	13C-2,3,4,7,8-PeCDF	81.5	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	71.5	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	72.5	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	75.5	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	80.4	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	70.6	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	75.3	26 - 138	
	13C-OCDF	60.0	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	103	35 - 197	

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: WJL

Approved By: Martha M. Maier 10-Dec-2005 15:23

ALTA

Sample ID:	IOK0901-01 Duplicate 004				EPA Method 1613
Client Data		**Sample Data**		**Laboratory Data**	
Name:	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	27027-001
Project:	IOK0901	Sample Size:	0.996 L	QC Batch No.:	7516
Date Collected:	9-Nov-05			Date Analyzed DB-5:	10-Dec-05
Time Collected:	1352				
				Date Received:	8-Dec-05
				Date Extracted:	8-Dec-05
				Date Analyzed DB-225:	NA

Analyte	Conc. (ug/L)	DL [a]	EMPC[b]	Qualifiers
2,3,7,8-TCDD	ND	0.00000119		
1,2,3,7,8-PeCDD	0.00000168			J
1,2,3,4,7,8-HxCDD	0.00000248			J
1,2,3,6,7,8-HxCDD	0.00000693			J
1,2,3,7,8,9-HxCDD	0.00000324			J
1,2,3,4,6,7,8-HpCDD	0.000209			
OCDD	0.00318			
2,3,7,8-TCDF	0.00000742			A
1,2,3,7,8-PeCDF	0.00000724			J
2,3,4,7,8-PeCDF	0.00000957			J
1,2,3,4,7,8-HxCDF	0.00000510			J
1,2,3,6,7,8-HxCDF	ND		0.00000474	
2,3,4,6,7,8-HxCDF	0.00000481			J
1,2,3,7,8,9-HxCDF	ND	0.00000165		
1,2,3,4,6,7,8-HpCDF	0.0000276			A
1,2,3,4,7,8,9-HpCDF	ND	0.00000299		
OCDF	0.0000764			A

Labeled Standard		%R	LCL-UCL[d]	Qualifiers
IS	13C-2,3,7,8-TCDD	80.8	25 - 164	
	13C-1,2,3,7,8-PeCDD	76.8	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	73.6	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	74.2	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	72.0	23 - 140	
	13C-OCDD	56.3	17 - 157	
	13C-2,3,7,8-TCDF	78.5	24 - 169	
	13C-1,2,3,7,8-PeCDF	76.0	24 - 185	
	13C-2,3,4,7,8-PeCDF	73.5	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	69.0	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	70.2	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	70.4	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	74.5	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	65.6	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	73.7	26 - 138	
	13C-OCDF	60.4	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	93.7	35 - 197	

Totals		
Total TCDD	0.0000186	0.0000261
Total PeCDD	0.0000111	0.0000175
Total HxCDD	0.0000415	0.0000439
Total HpCDD	0.000398	
Total TCDF	0.000179	0.000184
Total PeCDF	0.0000834	0.0000872
Total HxCDF	0.0000455	0.0000562
Total HpCDF	0.000123	

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: WJL

Approved By: Martha M. Maier 10-Dec-2005 14:38

ALTA

Sample ID: IOK0902-01 outfall 005 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	27028-001	Date Received:	8-Dec-05
Project:	IOK0902	Sample Size:	1.018 L	QC Batch No.:	7516	Date Extracted:	8-Dec-05
Date Collected:	9-Nov-05			Date Analyzed DB-5:	10-Dec-05	Date Analyzed DB-225:	NA
Time Collected:	1240						

Real Qual	Qual Code	Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
U		2,3,7,8-TCDD	ND	0.00000128		
U		1,2,3,7,8-PeCDD	ND	0.000000986		
U	+	1,2,3,4,7,8-HxCDD	ND ~~0.00000243~~ 0.00000243			J
J	DNQ	1,2,3,6,7,8-HxCDD	0.00000224			J
J	DNQ	1,2,3,7,8,9-HxCDD	0.00000168			J
		1,2,3,4,6,7,8-HpCDD	0.000137			
		OCDD	0.00392			
J	DNQ	2,3,7,8-TCDF	0.00000148			J
U	NQ	1,2,3,7,8-PeCDF	ND		0.00000105	
J	DNQ	2,3,4,7,8-PeCDF	0.00000181			J
U		1,2,3,4,7,8-HxCDF	ND	0.00000119		
		1,2,3,6,7,8-HxCDF	ND	0.00000119		
		2,3,4,6,7,8-HxCDF	ND	0.00000134		
		1,2,3,7,8,9-HxCDF	ND	0.00000213		
J	DNQ	1,2,3,4,6,7,8-HpCDF	0.00000611			J
U		1,2,3,4,7,8,9-HpCDF	ND	0.00000144		
J	DNQ	OCDF	0.0000159			J

Labeled Standard		%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	83.8	25 - 164	
	13C-1,2,3,7,8-PeCDD	84.8	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	78.7	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	78.3	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	73.7	23 - 140	
	13C-OCDD	57.4	17 - 157	
	13C-2,3,7,8-TCDF	84.1	24 - 169	
	13C-1,2,3,7,8-PeCDF	80.7	24 - 185	
	13C-2,3,4,7,8-PeCDF	77.1	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	75.2	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	76.9	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	76.2	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	79.3	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	69.5	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	75.0	26 - 138	
	13C-OCDF	62.4	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	94.3	35 - 197	

Totals			
Total TCDD	ND	0.00000128	
Total PeCDD	ND	0.000000986	
Total HxCDD	0.00000984		0.0000130
Total HpCDD	0.000281		
Total TCDF	0.0000107		0.0000116
Total PeCDF	0.00000515		0.0000102
Total HxCDF	0.00000752		
Total HpCDF	0.0000205		

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: WJL

Approved By: Martha M. Maier 10-Dec-2005 15:07

ALTA

Sample ID: IOK0903-01 Outfall 006 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	27029-001	Date Received:	8-Dec-05
Project:	IOK0903	Sample Size:	0.958 L	QC Batch No.:	7516	Date Extracted:	8-Dec-05
Date Collected:	9-Nov-05			Date Analyzed DB-5:	10-Dec-05	Date Analyzed DB-225:	NA
Time Collected:	1306						

Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.000000966		
1,2,3,7,8-PeCDD	ND		0.00000148	
1,2,3,4,7,8-HxCDD	0.00000394			J
1,2,3,6,7,8-HxCDD	0.00000707			J
1,2,3,7,8,9-HxCDD	0.00000534			J
1,2,3,4,6,7,8-HpCDD	0.000171			
OCDD	0.00180			
2,3,7,8-TCDF	0.00000172			J
1,2,3,7,8-PeCDF	ND	0.00000118		
2,3,4,7,8-PeCDF	0.00000169			J
1,2,3,4,7,8-HxCDF	0.00000269			J
1,2,3,6,7,8-HxCDF	0.00000171			J
2,3,4,6,7,8-HxCDF	0.00000200			J
1,2,3,7,8,9-HxCDF	ND	0.00000147		
1,2,3,4,6,7,8-HpCDF	0.0000232			J
1,2,3,4,7,8,9-HpCDF	0.00000336			J
OCDF	0.0000469			J

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	91.9	25 - 164	
	13C-1,2,3,7,8-PeCDD	89.7	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	83.8	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	86.2	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	83.8	23 - 140	
	13C-OCDD	71.9	17 - 157	
	13C-2,3,7,8-TCDF	91.7	24 - 169	
	13C-1,2,3,7,8-PeCDF	87.7	24 - 185	
	13C-2,3,4,7,8-PeCDF	88.0	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	78.3	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	79.7	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	82.8	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	89.7	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	80.5	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	87.0	26 - 138	
	13C-OCDF	76.1	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	97.0	35 - 197	

Totals

Total TCDD	ND	0.000000966	
Total PeCDD	0.00000526		0.0000144
Total HxCDD	0.0000702		
Total HpCDD	0.000431		
Total TCDF	0.00000456		
Total PeCDF	0.0000102		0.0000133
Total HxCDF	0.0000321		
Total HpCDF	0.0000761		

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: DMS

Approved By: Martha M. Maier 11-Dec-2005 13:22

ALTA

Sample ID:	IOK0904-01 Outfall 009				EPA Method 1613

Client Data		Sample Data		Laboratory Data			
Name:	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	27030-001	Date Received:	8-Dec-05
Project:	IOK0904	Sample Size:	1.008 L	QC Batch No.:	7516	Date Extracted:	8-Dec-05
Date Collected:	9-Nov-05			Date Analyzed DB-5:	10-Dec-05	Date Analyzed DB-225:	NA
Time Collected:	1346						

Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.000000703		
1,2,3,7,8-PeCDD	ND	0.000000656		
1,2,3,4,7,8-HxCDD	ND	0.00000115		
1,2,3,6,7,8-HxCDD	0.00000302			J
1,2,3,7,8,9-HxCDD	0.00000270			J
1,2,3,4,6,7,8-HpCDD	0.0000537			
OCDD	0.000688			
2,3,7,8-TCDF	ND	0.000000779		
1,2,3,7,8-PeCDF	ND	0.00000111		
2,3,4,7,8-PeCDF	ND	0.000000986		
1,2,3,4,7,8-HxCDF	ND	0.000000589		
1,2,3,6,7,8-HxCDF	ND	0.000000559		
2,3,4,6,7,8-HxCDF	ND	0.000000667		
1,2,3,7,8,9-HxCDF	ND	0.00000109		
1,2,3,4,6,7,8-HpCDF	0.0000174			J
1,2,3,4,7,8,9-HpCDF	0.00000195			J
OCDF	0.0000855			A

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	82.2	25 - 164	
	13C-1,2,3,7,8-PeCDD	81.4	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	78.7	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	79.0	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	75.3	23 - 140	
	13C-OCDD	63.3	17 - 157	
	13C-2,3,7,8-TCDF	85.7	24 - 169	
	13C-1,2,3,7,8-PeCDF	80.5	24 - 185	
	13C-2,3,4,7,8-PeCDF	79.9	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	76.8	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	78.7	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	78.3	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	82.5	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	71.9	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	78.3	26 - 138	
	13C-OCDF	66.8	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	98.8	35 - 197	

Totals		
Total TCDD	ND	0.000000703
Total PeCDD	ND	0.000000656
Total HxCDD	0.0000171	
Total HpCDD	0.000113	
Total TCDF	ND	0.000000779
Total PeCDF	ND	0.00000105
Total HxCDF	0.0000114	
Total HpCDF	0.0000567	

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: DMS

Approved By: Martha M. Maier 11-Dec-2005 10:41

CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Package ID T711DF50
Task Order 313150010
SDG No. Multiple
No. of Analyses 8

Laboratory Pace - Minneapolis
Reviewer E. Wessling
Analysis/Method Dioxins/Furans by Method 1613B

Date: November 21, 2005
Reviewer's Signature

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications were assigned for the following:
Holding Times	--EMPCs qualified as estimated nondetects
GC/MS Tune/Inst. Performance	--IOJ1186-01 and IOJ1232-01 rejected for lab contamination
Calibration	-- method blank contamination
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification	
Quantitation	
System Performance	

COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

DATA VALIDATION REPORT

NPDES Monitoring Program

ANALYSIS: DIOXINS/FURANS

SAMPLE DELIVERY GROUPS: IOJ1181, IOJ1176, IOJ1186, IOJ1180, IOJ1184, IOJ1177, IOJ1232, IOJ1231

Prepared by

AMEC—Denver Operations
355 South Teller Street Suite 300
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010
Sample Delivery Group #:	Multiple
Project Manager:	P. Costa
Matrix:	Water
Analysis:	Dioxins/Furans
QC Level:	Level IV
No. of Samples:	8
No. of Reanalyses/Dilutions:	0
Reviewer:	E. Wessling
Date of Review:	November 21, 2005

The samples listed in Table 1 were validated based on the guidelines outlined in the *AMEC Data Validation Procedure for Dioxins and Furans (DVP-19, Rev. 1), EPA Method 1613, and the National Functional Guidelines For Chlorinated Dioxin/Furan Data Review* (8/02). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Client ID	Laboratory ID (Del Mar)	Laboratory ID (Pace)	Matrix	COC Method
Outfall 008	IOJ1181-01	1021758001	water	1613
Outfall 005	IOJ1176-01	1021760001	water	1613
Outfall 009	IOJ1186-01	1021761001	water	1613
Outfall 006	IOJ1180-01	1021763001	water	1613
Outfall 007	IOJ1184-01	1021765001	water	1613
Outfall 004	IOJ1177-01	1021766001	water	1613
Outfall 010	IOJ1232-01	1021908001	water	1613
Outfall 003	IOJ1231-01	1021910001	water	1613

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The samples in this SDG were received at Del Mar Analytical within the temperature limits of 4°C ±2°C. The samples were shipped to Pace for dioxin/furan analysis and were received within the temperature limits of 4°C ±2°C. According to the case narrative and laboratory login sheet, the samples were received intact and in good condition at both laboratories. No qualifications were required.

2.1.2 Chain of Custody

The COC and transfer COC were legible and signed by the appropriate field and laboratory personnel, and accounted for the analysis presented in this SDG. As the samples were couriered directly to Del Mar Analytical-Irvine, custody seals were not required. The cooler received by Pace had no custody seals present for samples IOJ1232-01 and IOJ1231-01. All other samples had custody seals present and intact. The EPA IDs were added to the sample result summaries by the reviewer. No qualifications were required.

2.1.3 Holding Times

The samples were extracted and analyzed within a year of collection. No qualifications were required.

2.2 INSTRUMENT PERFORMANCE

Following are findings associated with instrument performance:

2.2.1 GC Column Performance

A Windows Defining Mix (WDM) containing the first and last eluting congeners of each descriptor and isomer specificity compounds was not analyzed prior to the initial calibration sequence or at the beginning of each analytical sequence; however, the first and last eluting congeners and isomer specificity compounds were added to the midpoint of the initial calibration and to the continuing calibration standards (see section 2.3.2). The GC column performance in the calibrations was acceptable, with the height of the valley between the closely eluting isomers and 2,3,7,8-TCDD reported as less than 25%. No qualifications were required.

2.2.2 Mass Spectrometer Performance

The mass spectrometer performance was acceptable with the static resolving power greater than 10,000. No qualifications were required.

2.3 CALIBRATION

2.3.1 Initial Calibration

The initial calibration was analyzed 10/22/05 for instrument F. The calibration consisted of five concentration level standards (CS1 through CS5) analyzed to verify instrument linearity. The initial calibration was acceptable with %RSDs ≤20% for the 16 native compounds (calibration by isotope dilution) and ≤35% for the one native and all labeled compounds (calibration by internal standard). The relative retention times and ion abundance ratios were within the QC limits listed in Method 1613 for all standards. A representative number of %RSDs were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

2.3.2 Continuing Calibration

Calibration verification (VER) consisted of a mid-level standard (CS3) analyzed at the beginning of each analytical sequence. The VER was acceptable with the concentrations within the acceptance criteria listed in Table 6 of EPA Method 1613. The ion abundance ratios and relative retention times were within the method QC limits. A representative number of %Ds were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

WDM and isomer specificity compounds were added to the VER standard instead of being analyzed separately, as noted in section 2.2.1 of this report. No adverse effect was observed with this practice.

2.4 BLANKS

One method blank (Blank 8223) was extracted and analyzed with the samples in this SDG. Target compounds 1,2,3,4,6,7,8-HpCDD and OCDF were reported in method blank 8223 at concentrations of 0.0000041 and 0.0000068 ug/L, respectively. An interference with OCDD was also reported in method blank 8223. Any detects for these target compounds ≤ five times the concentration reported in the method blank were qualified as estimated, "UJ," in the site samples of this SDG. Detects for total dioxin and furan isomers at concentrations ≤ five times the concentration reported in the method blank were qualified as estimated, "UJ," in the associated samples. In instances where the total concentration included peaks not present in the method blank as well as the method blank contamination, the total concentration was considered estimated, "J," as a portion of the total concentration was considered blank contamination. There were no other target compound detects reported in the method blank. A review of the method blank raw data and chromatograms indicated no false negatives or false positives. No further qualifications were required.

2.5 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

One blank spike/blank spike duplicate pair (LCS/LCSD 8224/8225) was extracted and analyzed with the samples in this SDG. All recoveries were within the acceptance criteria listed in Table 6 of Method 1613. No qualifications were required.

2.6 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MS/MSD analyses were not performed in this SDG. Evaluation of method accuracy was based on the OPR results. No qualifications were required.

2.7 FIELD QC SAMPLES

Following are findings associated with field QC:

2.7.1 Field Blanks and Equipment Rinsates

The samples in this SDG had no identified field QC samples. No qualifications were required.

2.7.2 Field Duplicates

No field duplicate samples were identified for this SDG.

2.8 INTERNAL STANDARDS

The labeled standard recoveries were within the acceptance criteria listed in Table 7 of Method 1613. No qualifications were required.

2.9 COMPOUND IDENTIFICATION

The laboratory analyzed for polychlorinated dioxins/furans by EPA Method 1613. The compound identifications were verified from the raw data and no false negatives or positives were noted. However, the laboratory was experiencing sporadic cross-contamination problems which they attributed to incomplete glassware cleaning procedures. Two samples, Outfall 009 and outfall 010, exhibited atypical target compound detects. These samples were rejected in favor of a reanalysis at another laboratory that was not experiencing contamination problems. This was done to ensure the target compound detects were representative of site conditions and not laboratory cross-contamination. No further qualifications were required.

2.10 COMPOUND QUANTIFICATION AND REPORTED DETECTION LIMITS

Compound quantitation was verified from the raw data. The laboratory calculated and reported compound-specific detection limits. Any detects below the laboratory lower calibration level were qualified as estimated, "J," by the laboratory. These "J" values were annotated with the qualification code of "DNQ" to comply with the reporting requirements of the NPDES permit. Any reported EMPC was qualified as an estimated nondetect, "UJ." No further qualifications were required.

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Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	IOJ1176-01 Outfall 005		
Lab Sample ID	1021760001		
Filename	F51109C_08		
Injected By	BAL		
Total Amount Extracted	965 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	10/18/2005
ICAL Date	10/22/2005	Received	10/19/2005
CCal Filename(s)	F51109C_02	Extracted	11/08/2005
Method Blank ID	BLANK-8223	Analyzed	11/10/2005 04:36

Raw Qual	Qual Code	Native Isomers	Conc ug/L	EMPC ug/L	LOD ug/L		Internal Standards	ng's Added	Percent Recovery
U		2,3,7,8-TCDF	ND	—	0.0000026		2,3,7,8-TCDF-13C	2.00	56
		Total TCDF	ND	—	0.0000026		2,3,7,8-TCDD-13C	2.00	62
							1,2,3,7,8-PeCDF-13C	2.00	61
		2,3,7,8-TCDD	ND	—	0.0000031		2,3,4,7,8-PeCDF-13C	2.00	64
		Total TCDD	ND	—	0.0000031		1,2,3,7,8-PeCDD-13C	2.00	80
							1,2,3,4,7,8-HxCDF-13C	2.00	62
		1,2,3,7,8-PeCDF	ND	—	0.0000035		1,2,3,6,7,8-HxCDF-13C	2.00	62
		2,3,4,7,8-PeCDF	ND	—	0.0000017		2,3,4,6,7,8-HxCDF-13C	2.00	61
		Total PeCDF	ND	—	0.0000026		1,2,3,7,8,9-HxCDF-13C	2.00	62
							1,2,3,4,7,8-HxCDD-13C	2.00	58
		1,2,3,7,8-PeCDD	ND	—	0.0000019		1,2,3,6,7,8-HxCDD-13C	2.00	66
		Total PeCDD	ND	—	0.0000019		1,2,3,4,6,7,8-HpCDF-13C	2.00	60
							1,2,3,4,7,8,9-HpCDF-13C	2.00	54
		1,2,3,4,7,8-HxCDF	ND	—	0.0000018		1,2,3,4,6,7,8-HpCDD-13C	2.00	67
		1,2,3,6,7,8-HxCDF	ND	—	0.0000029		OCDD-13C	4.00	55
		2,3,4,6,7,8-HxCDF	ND	—	0.0000026				
		1,2,3,7,8,9-HxCDF	ND	—	0.0000036		1,2,3,4-TCDD-13C	2.00	NA
		Total HxCDF	ND	—	0.0000027		1,2,3,7,8,9-HxCDD-13C	2.00	NA
U		1,2,3,4,7,8-HxCDD	ND	—	0.0000029		2,3,7,8-TCDD-37Cl4	0.20	70
UJ	* 10	1,2,3,6,7,8-HxCDD	—0.0000028		0.0000028	I			
U		1,2,3,7,8,9-HxCDD	ND	—	0.0000028				
U		Total HxCDD	ND	—	0.0000029				
J	DNQ	1,2,3,4,6,7,8-HpCDF	0.000011	—	0.0000034	J			
U		1,2,3,4,7,8,9-HpCDF	ND	—	0.0000034				
J	DNQ	Total HpCDF	0.000011	—	0.0000034	J			
		1,2,3,4,6,7,8-HpCDD	0.000110	—	0.0000038				
		Total HpCDD	0.000210	—	0.0000038				
UJ	B	OCDF	0.000052	—	0.0000035	BJ			
		OCDD	0.002600	—	0.0000069				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

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Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	IOJ1177-01 Outfall 004		
Lab Sample ID	1021766001		
Filename	F51109C_12		
Injected By	BAL		
Total Amount Extracted	1040 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	10/18/2005
ICAL Date	10/22/2005	Received	10/19/2005
CCal Filename(s)	F51109C_02	Extracted	11/08/2005
Method Blank ID	BLANK-8223	Analyzed	11/10/2005 07:51

Rev Qual	Qual Code	Native Isomers	Conc ug/L	EMPC ug/L	LOD ug/L		Internal Standards	ng's Added	Percent Recovery
U		2,3,7,8-TCDF	ND	---0.00000180			2,3,7,8-TCDF-13C	2.00	68
U		Total TCDF	ND	---0.00000180			2,3,7,8-TCDD-13C	2.00	78
							1,2,3,7,8-PeCDF-13C	2.00	72
U		2,3,7,8-TCDD	ND	---0.00000270			2,3,4,7,8-PeCDF-13C	2.00	77
U		Total TCDD	ND	---0.00000270			1,2,3,7,8-PeCDD-13C	2.00	102
							1,2,3,4,7,8-HxCDF-13C	2.00	77
U		1,2,3,7,8-PeCDF	ND	---0.00000390			1,2,3,6,7,8-HxCDF-13C	2.00	74
UJ	* 10	2,3,4,7,8-PeCDF		---0.00000570.00000077	I		2,3,4,6,7,8-HxCDF-13C	2.00	73
J	DNQ	Total PeCDF	0.0000220	---0.00000230	J		1,2,3,7,8,9-HxCDF-13C	2.00	74
							1,2,3,4,7,8-HxCDD-13C	2.00	73
U		1,2,3,7,8-PeCDD	ND	---0.00000130			1,2,3,6,7,8-HxCDD-13C	2.00	81
U		Total PeCDD	ND	---0.00000130			1,2,3,4,6,7,8-HpCDF-13C	2.00	69
							1,2,3,4,7,8,9-HpCDF-13C	2.00	61
J	DNQ	1,2,3,4,7,8-HxCDF	0.0000067	---0.00000210	J		1,2,3,4,6,7,8-HpCDD-13C	2.00	73
U		1,2,3,6,7,8-HxCDF	ND	---0.00000230			OCDD-13C	4.00	57
U		2,3,4,6,7,8-HxCDF	ND	---0.00000210					
UJ	* 10	1,2,3,7,8,9-HxCDF		---0.0000035.00000220	I		1,2,3,4-TCDD-13C	2.00	NA
		Total HxCDF	0.0000540	---0.00000210			1,2,3,7,8,9-HxCDD-13C	2.00	NA
U		1,2,3,4,7,8-HxCDD	ND	---0.00000380			2,3,7,8-TCDD-37Cl4	0.20	81
J	DNQ	1,2,3,6,7,8-HxCDD	0.0000290	---0.00000250	J				
U		1,2,3,7,8,9-HxCDD	ND	---0.00000200					
		Total HxCDD	0.0000770	---0.00000280					
		1,2,3,4,6,7,8-HpCDF	0.0000580	---0.00000270					
U		1,2,3,4,7,8,9-HpCDF	ND	---0.00000290					
		Total HpCDF	0.0000580	---0.00000280					
		1,2,3,4,6,7,8-HpCDD	0.0004900	---0.00000340					
		Total HpCDD	0.0007600	---0.00000340					
		OCDF	0.0001500	---0.00000270					
		OCDD	0.0036000	---0.00000640					

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

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Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	IOJ1180-01 Outfall 006		
Lab Sample ID	1021763001		
Filename	F51109C_10		
Injected By	BAL		
Total Amount Extracted	1030 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	10/18/2005
ICAL Date	10/22/2005	Received	10/19/2005
CCal Filename(s)	F51109C_02	Extracted	11/08/2005
Method Blank ID	BLANK-8223	Analyzed	11/10/2005 06:13

Raw Qual	Qual Code	Native Isomers	Conc ug/L	EMPC ug/L	LOD ug/L		Internal Standards	ng's Added	Percent Recovery
U		2,3,7,8-TCDF	ND	—	0.0000031		2,3,7,8-TCDF-13C	2.00	49
		Total TCDF	ND	—	0.0000031		2,3,7,8-TCDD-13C	2.00	56
							1,2,3,7,8-PeCDF-13C	2.00	56
		2,3,7,8-TCDD	ND	—	0.0000048		2,3,4,7,8-PeCDF-13C	2.00	58
		Total TCDD	ND	—	0.0000048		1,2,3,7,8-PeCDD-13C	2.00	73
							1,2,3,4,7,8-HxCDF-13C	2.00	55
		1,2,3,7,8-PeCDF	ND	—	0.0000033		1,2,3,6,7,8-HxCDF-13C	2.00	54
		2,3,4,7,8-PeCDF	ND	—	0.0000025		2,3,4,6,7,8-HxCDF-13C	2.00	53
		Total PeCDF	ND	—	0.0000029		1,2,3,7,8,9-HxCDF-13C	2.00	55
							1,2,3,4,7,8-HxCDD-13C	2.00	52
		1,2,3,7,8-PeCDD	ND	—	0.0000030		1,2,3,6,7,8-HxCDD-13C	2.00	60
		Total PeCDD	ND	—	0.0000030		1,2,3,4,6,7,8-HpCDF-13C	2.00	52
							1,2,3,4,7,8,9-HpCDF-13C	2.00	47
		1,2,3,4,7,8-HxCDF	ND	—	0.0000028		1,2,3,4,6,7,8-HpCDD-13C	2.00	56
		1,2,3,6,7,8-HxCDF	ND	—	0.0000031		OCDD-13C	4.00	45
		2,3,4,6,7,8-HxCDF	ND	—	0.0000021				
		1,2,3,7,8,9-HxCDF	ND	—	0.0000026		1,2,3,4-TCDD-13C	2.00	NA
		Total HxCDF	ND	—	0.0000026		1,2,3,7,8,9-HxCDD-13C	2.00	NA
		1,2,3,4,7,8-HxCDD	ND	—	0.0000035		2,3,7,8-TCDD-37Cl4	0.20	84
		1,2,3,6,7,8-HxCDD	ND	—	0.0000032				
		1,2,3,7,8,9-HxCDD	ND	—	0.0000028				
		Total HxCDD	ND	—	0.0000032				
J	DNQ	1,2,3,4,6,7,8-HpCDF	0.0000065	—	0.0000032	J			
J	DNQ	1,2,3,4,7,8,9-HpCDF	0.0000042	—	0.0000031	J			
J	DNQ	Total HpCDF	0.0000110	—	0.0000031	J			
J	DNQ	1,2,3,4,6,7,8-HpCDD	0.0000300	—	0.0000044	BJ			
		Total HpCDD	0.0000730	—	0.0000044				
WS	B	OCDF	0.0000260	—	0.0000039	BJ			
		OCDD	0.0003400	—	0.0000100				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

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Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	IOJ1181-01 Outfall 009		
Lab Sample ID	1021758001		
Filename	F51109C_07		
Injected By	BAL		
Total Amount Extracted	1020 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	10/18/2005
ICAL Date	10/22/2005	Received	10/19/2005
CCal Filename(s)	F51109C_02	Extracted	11/08/2005
Method Blank ID	BLANK-8223	Analyzed	11/10/2005 03:47

Rev Qual	Qual Code	Native Isomers	Conc ug/L	EMPC ug/L	LOD ug/L		Internal Standards	ng's Added	Percent Recovery
U		2,3,7,8-TCDF	ND	—	0.0000030		2,3,7,8-TCDF-13C	2.00	65
		Total TCDF	ND	—	0.0000030		2,3,7,8-TCDD-13C	2.00	75
							1,2,3,7,8-PeCDF-13C	2.00	71
		2,3,7,8-TCDD	ND	—	0.0000029		2,3,4,7,8-PeCDF-13C	2.00	76
		Total TCDD	ND	—	0.0000029		1,2,3,7,8-PeCDD-13C	2.00	96
							1,2,3,4,7,8-HxCDF-13C	2.00	71
		1,2,3,7,8-PeCDF	ND	—	0.0000036		1,2,3,6,7,8-HxCDF-13C	2.00	67
		2,3,4,7,8-PeCDF	ND	—	0.0000015		2,3,4,6,7,8-HxCDF-13C	2.00	69
		Total PeCDF	ND	—	0.0000026		1,2,3,7,8,9-HxCDF-13C	2.00	72
							1,2,3,4,7,8-HxCDD-13C	2.00	69
		1,2,3,7,8-PeCDD	ND	—	0.0000017		1,2,3,6,7,8-HxCDD-13C	2.00	77
		Total PeCDD	ND	—	0.0000017		1,2,3,4,6,7,8-HpCDF-13C	2.00	70
							1,2,3,4,7,8,9-HpCDF-13C	2.00	60
UJ	*10	1,2,3,4,7,8-HxCDF		—0.0000027	0.0000021	I	1,2,3,4,6,7,8-HpCDD-13C	2.00	72
U		1,2,3,6,7,8-HxCDF	ND	—	0.0000016		OCDD-13C	4.00	59
		2,3,4,6,7,8-HxCDF	ND	—	0.0000017				
		1,2,3,7,8,9-HxCDF	ND	—	0.0000023		1,2,3,4-TCDD-13C	2.00	NA
		Total HxCDF	ND	—	0.0000019		1,2,3,7,8,9-HxCDD-13C	2.00	NA
U		1,2,3,4,7,8-HxCDD	ND	—	0.0000032		2,3,7,8-TCDD-37Cl4	0.20	82
U		1,2,3,6,7,8-HxCDD	ND	—	0.0000034				
U		1,2,3,7,8,9-HxCDD	ND	—	0.0000031				
J	DNQ	Total HxCDD	0.0000046	—	0.0000032	J			
J	DNQ	1,2,3,4,6,7,8-HpCDF	0.0000110	—	0.0000023	J			
U		1,2,3,4,7,8,9-HpCDF	ND	—	0.0000036				
J	DNQ	Total HpCDF	0.0000200	—	0.0000030	J			
UJ	B	1,2,3,4,6,7,8-HpCDD	0.0000260	—	0.0000032	BJ			
J	B	Total HpCDD	0.0000530	—	0.0000032				
UJ	B	OCDE	0.0000300	—	0.0000020	BJ			
		OCDD	0.0002300	—	0.0000043				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

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Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	IOJ1184-01 Outfall 007		
Lab Sample ID	1021765001		
Filename	F51109C_11		
Injected By	BAL		
Total Amount Extracted	1050 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	10/18/2005
ICAL Date	10/22/2005	Received	10/19/2005
CCal Filename(s)	F51109C_02	Extracted	11/08/2005
Method Blank ID	BLANK-8223	Analyzed	11/10/2005 07:03

Rev Qual	Qual Code	Native Isomers	Conc ug/L	EMPC ug/L	LOD ug/L		Internal Standards	ng's Added	Percent Recovery
U		2,3,7,8-TCDF	ND	—	0.0000020		2,3,7,8-TCDF-13C	2.00	52
U		Total TCDF	ND	—	0.0000020		2,3,7,8-TCDD-13C	2.00	56
							1,2,3,7,8-PeCDF-13C	2.00	47
U		2,3,7,8-TCDD	ND	—	0.0000023		2,3,4,7,8-PeCDF-13C	2.00	63
U		Total TCDD	ND	—	0.0000023		1,2,3,7,8-PeCDD-13C	2.00	70
							1,2,3,4,7,8-HxCDF-13C	2.00	64
U		1,2,3,7,8-PeCDF	ND	—	0.0000041		1,2,3,6,7,8-HxCDF-13C	2.00	52
U		2,3,4,7,8-PeCDF	ND	—	0.0000015		2,3,4,6,7,8-HxCDF-13C	2.00	58
J	DNQ	Total PeCDF	0.0000030	—	0.0000028	J	1,2,3,7,8,9-HxCDF-13C	2.00	45
							1,2,3,4,7,8-HxCDD-13C	2.00	58
U		1,2,3,7,8-PeCDD	ND	—	0.0000028		1,2,3,6,7,8-HxCDD-13C	2.00	62
U		Total PeCDD	ND	—	0.0000028		1,2,3,4,6,7,8-HpCDF-13C	2.00	53
							1,2,3,4,7,8,9-HpCDF-13C	2.00	35
U		1,2,3,4,7,8-HxCDF	ND	—	0.0000028		1,2,3,4,6,7,8-HpCDD-13C	2.00	45
		1,2,3,6,7,8-HxCDF	ND	—	0.0000035		OCDD-13C	4.00	34
		2,3,4,6,7,8-HxCDF	ND	—	0.0000024				
		1,2,3,7,8,9-HxCDF	ND	—	0.0000040		1,2,3,4-TCDD-13C	2.00	NA
		Total HxCDF	ND	—	0.0000032		1,2,3,7,8,9-HxCDD-13C	2.00	NA
U		1,2,3,4,7,8-HxCDD	ND	—	0.0000039		2,3,7,8-TCDD-37Cl4	0.20	73
U		1,2,3,6,7,8-HxCDD	ND	—	0.0000042				
U		1,2,3,7,8,9-HxCDD	ND	—	0.0000030				
J	DNQ	Total HxCDD	0.0000065	—	0.0000037	J			
J	DNQ	1,2,3,4,6,7,8-HpCDF	0.0000069	—	0.0000036	J			
U		1,2,3,4,7,8,9-HpCDF	ND	—	0.0000045				
J	DNQ	Total HpCDF	0.0000069	—	0.0000040	J			
		1,2,3,4,6,7,8-HpCDD	0.0000280	—	0.0000092	BJ			
J	B	Total HpCDD	0.0000610	—	0.0000092				
UJ	B	OCDF	0.0000300	—	0.0000077	BJ			
		OCDD	0.0003700	—	0.0000110				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....1021765

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Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Pace Analytical™

Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	IOJ1186-01 Outfall 009		
Lab Sample ID	1021761001		
Filename	F51109C_09		
Injected By	BAL		
Total Amount Extracted	983 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	10/18/2005
ICAL Date	10/22/2005	Received	10/19/2005
CCal Filename(s)	F51109C_02	Extracted	11/08/2005
Method Blank ID	BLANK-8223	Analyzed	11/10/2005 05:25

Per Qual

Qual | Ccal

Native Isomers	Conc ug/L	EMPC ug/L	LOD ug/L		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.000042	—	0.0000031		2,3,7,8-TCDF-13C	2.00	66
Total TCDF	0.000460	—	0.0000031		2,3,7,8-TCDD-13C	2.00	76
					1,2,3,7,8-PeCDF-13C	2.00	72
2,3,7,8-TCDD	0.000010	—	0.0000055	J	2,3,4,7,8-PeCDF-13C	2.00	74
Total TCDD	0.000190	—	0.0000055		1,2,3,7,8-PeCDD-13C	2.00	92
					1,2,3,4,7,8-HxCDF-13C	2.00	74
1,2,3,7,8-PeCDF	0.000024	—	0.0000052	J	1,2,3,6,7,8-HxCDF-13C	2.00	69
2,3,4,7,8-PeCDF	0.000039	—	0.0000061	J	2,3,4,6,7,8-HxCDF-13C	2.00	69
Total PeCDF	0.000680	—	0.0000056		1,2,3,7,8,9-HxCDF-13C	2.00	72
					1,2,3,4,7,8-HxCDD-13C	2.00	69
1,2,3,7,8-PeCDD	0.000088	—	0.0000034		1,2,3,6,7,8-HxCDD-13C	2.00	74
Total PeCDD	0.000550	—	0.0000034		1,2,3,4,6,7,8-HpCDF-13C	2.00	64
					1,2,3,4,7,8,9-HpCDF-13C	2.00	50
1,2,3,4,7,8-HxCDF	0.000079	—	0.0000034		1,2,3,4,6,7,8-HpCDD-13C	2.00	63
1,2,3,6,7,8-HxCDF	0.000053	—	0.0000037		OCDD-13C	4.00	59
2,3,4,6,7,8-HxCDF	0.000043	—	0.0000046	J			
1,2,3,7,8,9-HxCDF	0.000021	—	0.0000049	J	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.000970	—	0.0000041		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	0.000120	—	0.0000054		2,3,7,8-TCDD-37Cl4	0.20	97
1,2,3,6,7,8-HxCDD	0.000400	—	0.0000067				
1,2,3,7,8,9-HxCDD	0.000250	—	0.0000056				
Total HxCDD	0.003300	—	0.0000059				
1,2,3,4,6,7,8-HpCDF	0.001200	—	0.0000110				
1,2,3,4,7,8,9-HpCDF	0.000092	—	0.0000140				
Total HpCDF	0.001300	—	0.0000120				
1,2,3,4,6,7,8-HpCDD	0.008500	—	0.0000190				
Total HpCDD	0.023000	—	0.0000190				
OCDF	0.005700	—	0.0000076				
OCDD	0.160000	—	0.0000440				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....1021761

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Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

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Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	IOJ1231-01 Outfall 003		
Lab Sample ID	1021910001		
Filename	F51110A_03		
Injected By	SMT		
Total Amount Extracted	1050 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	10/18/2005
ICAL Date	10/22/2005	Received	10/20/2005
CCal Filename(s)	F51109C_18	Extracted	11/08/2005
Method Blank ID	BLANK-8223	Analyzed	11/10/2005 14:37

Rev Qual	Qual Code	Native Isomers	Conc ug/L	EMPC ug/L	LOD ug/L		Internal Standards	ng's Added	Percent Recovery
U		2,3,7,8-TCDF	ND		0.0000012		2,3,7,8-TCDF-13C	2.00	57
		Total TCDF	ND		0.0000012		2,3,7,8-TCDD-13C	2.00	67
							1,2,3,7,8-PeCDF-13C	2.00	61
		2,3,7,8-TCDD	ND		0.0000014		2,3,4,7,8-PeCDF-13C	2.00	63
		Total TCDD	ND		0.0000014		1,2,3,7,8-PeCDD-13C	2.00	78
							1,2,3,4,7,8-HxCDF-13C	2.00	63
		1,2,3,7,8-PeCDF	ND		0.0000015		1,2,3,6,7,8-HxCDF-13C	2.00	65
		2,3,4,7,8-PeCDF	ND		0.0000011		2,3,4,6,7,8-HxCDF-13C	2.00	62
		Total PeCDF	ND		0.0000013		1,2,3,7,8,9-HxCDF-13C	2.00	63
							1,2,3,4,7,8-HxCDD-13C	2.00	66
		1,2,3,7,8-PeCDD	ND		0.0000017		1,2,3,6,7,8-HxCDD-13C	2.00	67
		Total PeCDD	ND		0.0000017		1,2,3,4,6,7,8-HpCDF-13C	2.00	60
							1,2,3,4,7,8,9-HpCDF-13C	2.00	52
		1,2,3,4,7,8-HxCDF	ND		0.0000011		1,2,3,4,6,7,8-HpCDD-13C	2.00	64
		1,2,3,6,7,8-HxCDF	ND		0.0000013		OCDD-13C	4.00	49
		2,3,4,6,7,8-HxCDF	ND		0.0000013				
		1,2,3,7,8,9-HxCDF	ND		0.0000012		1,2,3,4-TCDD-13C	2.00	NA
		Total HxCDF	ND		0.0000012		1,2,3,7,8,9-HxCDD-13C	2.00	NA
		1,2,3,4,7,8-HxCDD	ND		0.0000013		2,3,7,8-TCDD-37Cl4	0.20	80
		1,2,3,6,7,8-HxCDD	ND		0.0000015				
		1,2,3,7,8,9-HxCDD	ND		0.0000015				
J	DNQ	Total HxCDD	0.0000019		0.0000014	J			
U		1,2,3,4,6,7,8-HpCDF	ND		0.0000015				
U		1,2,3,4,7,8,9-HpCDF	ND		0.0000018				
U		Total HpCDF	ND		0.0000016				
UJ	B	1,2,3,4,6,7,8-HpCDD	0.0000085		0.0000025	BJ			
J	B	Total HpCDD	0.0000180		0.0000025	BJ			
UJ	I/D	OCDF		0.0000089	0.0000016	I			
J	DNQ	OCDD	0.0000620		0.0000043	J			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....1021910

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Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	IOJ1232-01		
Lab Sample ID	1021908001		
Filename	F51109C_16		
Injected By	BAL		
Total Amount Extracted	1050 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	10/18/2005
ICAL Date	10/22/2005	Received	10/20/2005
CCal Filename(s)	F51109C_02	Extracted	11/08/2005
Method Blank ID	BLANK-8223	Analyzed	11/10/2005 11:08

Native Isomers	Conc ug/L	EMPC ug/L	LOD ug/L		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.0000024		2,3,7,8-TCDF-13C	2.00	65
Total TCDF	0.0000180	----	0.0000024		2,3,7,8-TCDD-13C	2.00	75
					1,2,3,7,8-PeCDF-13C	2.00	68
2,3,7,8-TCDD	ND	----	0.0000023		2,3,4,7,8-PeCDF-13C	2.00	75
Total TCDD	0.0000100	----	0.0000023		1,2,3,7,8-PeCDD-13C	2.00	91
					1,2,3,4,7,8-HxCDF-13C	2.00	74
1,2,3,7,8-PeCDF	ND	----	0.0000027		1,2,3,6,7,8-HxCDF-13C	2.00	71
2,3,4,7,8-PeCDF	0.0000023	----	0.0000020	J	2,3,4,6,7,8-HxCDF-13C	2.00	72
Total PeCDF	0.0000180	----	0.0000024	J	1,2,3,7,8,9-HxCDF-13C	2.00	69
					1,2,3,4,7,8-HxCDD-13C	2.00	72
1,2,3,7,8-PeCDD	ND	----	0.0000028		1,2,3,6,7,8-HxCDD-13C	2.00	77
Total PeCDD	ND	----	0.0000028		1,2,3,4,6,7,8-HpCDF-13C	2.00	66
					1,2,3,4,7,8,9-HpCDF-13C	2.00	54
1,2,3,4,7,8-HxCDF	0.0000034	----	0.0000019	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	67
1,2,3,6,7,8-HxCDF	0.0000023	----	0.0000018	J	OCDD-13C	4.00	51
2,3,4,6,7,8-HxCDF	ND	----	0.0000021				
1,2,3,7,8,9-HxCDF	ND	----	0.0000023		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.0000150	----	0.0000020	J	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	0.0000023		2,3,7,8-TCDD-37Cl4	0.20	81
1,2,3,6,7,8-HxCDD	ND	----	0.0000031				
1,2,3,7,8,9-HxCDD	0.0000020	----	0.0000020	J			
Total HxCDD	0.0000050	----	0.0000025	J			
1,2,3,4,6,7,8-HpCDF	0.0000058	----	0.0000022	J			
1,2,3,4,7,8,9-HpCDF	ND	----	0.0000027				
Total HpCDF	0.0000130	----	0.0000024	J			
1,2,3,4,6,7,8-HpCDD	0.0000180	----	0.0000024	BJ			
Total HpCDD	0.0000280	----	0.0000024	BJ			
OCDF	0.0000230	----	0.0000038	BJ			
OCDD	0.0001400	----	0.0000045				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....1021908

Level IV Validated

REPORT OF LABORATORY ANALYSIS

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CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Laboratory: Alta
Reviewer: H. Chang
Analysis/Method: Dioxin&Furans/1613

Package ID: T711DF48
Task Order: 313150010
SDG No.: Multiple
No. of Analyses: 6

Date: June 1, 2005
Reviewer's Signature: H. Chang

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Detects below the calibration range were qualified "J."
	EMPCs were qualified "UJ."
Holding Times	
GC/MS Tune/Inst. Perform	
Calibrations	
Blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification and Quantitation	
System Performance	
COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.

[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

DATA VALIDATION REPORT

NPDES
Monitoring

ANALYSIS: DIOXINS/FURANS

SAMPLE DELIVERY GROUPS: IOD2043, IOD2044, IOD2049, IOD2053, IOD2056 & IOD2058

Prepared by

AMEC—Denver Operations
550 South Wadsworth Boulevard, Suite 500
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010
Sample Delivery Group #:	IOD2043, IOD2044, IOD2049, IOD2053, IOD2056 & IOD2058
Project Manager:	B. McIlvaine
Matrix:	Water
Analysis:	Dioxins/Furans
QC Level:	Level IV
No. of Samples:	6
No. of Reanalyses/Dilutions:	0
Reviewer:	H. Chang
Date of Review:	June 1, 2005

The samples listed in Table 1 were validated based on the guidelines outlined in the *AMEC Data Validation Procedure for Dioxins and Furans (DVP-19, Rev. 1), EPA Method 1613, and the National National Functional Guidelines For Chlorinated Dioxin/Furan Data Review* (8/02). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Client ID	Laboratory ID (Del Mar)	Laboratory ID (Alta)	Matrix	COC Method
Outfall 001	IOD2043-01	26117-001	water	1613
Outfall 002	IOD2044-01	26112-001	water	1613
Outfall 018	IOD2049-01	26118-001	water	1613
Outfall 004	IOD2053-01	26120-001	water	1613
Outfall 010	IOD2056-01	26116-001	water	1613
Outfall 009	IOD2058-01	26115-001	water	1613

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The samples in these SDGs were received at Del Mar Analytical within the temperature limits of 4°C ±2°C. The samples were shipped to Alta for dioxin/furan analysis and were received below the temperature limits of 4°C ±2°C at 0°C and 1.1°C; however, as the samples were not noted to have been frozen or damaged, no qualifications were required. According to the laboratory login sheets, the samples were received intact and in good condition at both laboratories. No qualifications were required.

2.1.2 Chain of Custody

The COC and transfer COC were legible and signed by the appropriate field and laboratory personnel, and accounted for the analysis presented in these SDGs. As the samples were couriered directly to Del Mar Analytical, custody seals were not required. The cooler received by Alta had custody seals present and intact; however, custody seals were not present on the sample containers. The EPA IDs were added to the sample result summaries by the reviewer. No qualifications were required.

2.1.3 Holding Times

The samples were extracted and analyzed within a year of collection. No qualifications were required.

2.2 INSTRUMENT PERFORMANCE

Following are findings associated with instrument performance:

2.2.1 GC Column Performance

A Windows Defining Mix (WDM) containing the first and last eluting congeners of each descriptor and isomer specificity compounds was not analyzed prior to the initial calibration sequence or at the beginning of each analytical sequence; however, the first and last eluting congeners and isomer specificity compounds were added to the midpoint of the initial calibration and to the continuing calibration standards (see section 2.3.2). The GC column performance in the calibrations was acceptable, with the height of the valley between the closely eluting isomers and 2,3,7,8-TCDD reported as less than 25%. No qualifications were required.

2.2.2 Mass Spectrometer Performance

The mass spectrometer performance was acceptable with the static resolving power greater than 10,000. No qualifications were required.

2.3 CALIBRATION

2.3.1 Initial Calibration

The initial calibration was analyzed 05/09/05. The calibration consisted of six concentration level standards (CS0 through CS5) analyzed to verify instrument linearity. The initial calibration was acceptable with %RSDs ≤20% for the 16 native compounds (calibration by isotope dilution) and ≤35% for the one native and all labeled compounds (calibration by internal standard). The relative retention times and ion abundance ratios were within the QC limits listed in Method 1613 for all standards. A representative number of %RSDs were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

2.3.2 Continuing Calibration

Calibration verification (VER) consisted of a mid-level standard (CS3) analyzed at the beginning and end of each analytical sequence. The VERs were acceptable with the concentrations within the acceptance criteria listed in Table 6 of EPA Method 1613. The ion abundance ratios and relative retention times were within the method QC limits. A representative number of %Ds were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

WDM and isomer specificity compounds were added to the VER standard instead of being analyzed separately, as noted in section 2.2.1 of this report. No adverse effect was observed with this practice.

2.4 BLANKS

One method blank (6789-MB001) was extracted and analyzed with the samples in these SDGs. There were no target compound detects reported in the method blank. A review of the method blank raw data and chromatograms indicated no false negatives. No qualifications were required.

2.5 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

One Ongoing Precision Recovery (OPR) sample (6789-OPR001) was extracted and analyzed with the samples in these SDGs. All recoveries were within the acceptance criteria listed in Table 6 of Method 1613. No qualifications were required.

2.6 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MS/MSD analyses were not performed in these SDGs. Evaluation of method accuracy was based on the OPR results. No qualifications were required.

2.7 FIELD QC SAMPLES

Following are findings associated with field QC:

2.7.1 Field Blanks and Equipment Rinsates

The samples in these SDGs had no associated field QC samples. No qualifications were required.

2.7.2 Field Duplicates

No field duplicate samples were identified for these SDGs.

2.8 INTERNAL STANDARDS

The labeled standard recoveries were within the acceptance criteria listed in Table 7 of Method 1613. No qualifications were required.

2.9 COMPOUND IDENTIFICATION

The laboratory analyzed for polychlorinated dioxins/furans by EPA Method 1613. The compound identifications were verified from the raw data and no false negatives or positives were noted. No qualifications were required.

2.10 COMPOUND QUANTIFICATION AND REPORTED DETECTION LIMITS

Compound quantitation was verified from the raw data. The laboratory calculated and reported compound-specific detection limits. In five of the six SDGs, the laboratory noted that detects above the low point of the calibration curve but below the EPA Method 1613 minimum level were denoted by an "A" laboratory qualifier. However, all results with "A" qualifier were actually below the low point of the calibration curve and should have been flagged as "J." Also, one of the detects which should have been flagged as "A" was incorrectly flagged as "J" by the laboratory. Any detects below the method minimum level were qualified as estimated, "J." If the concentration of any component of the total was below the lower method calibration level (MCL), the total detect was qualified as estimated, "J." Any reported EMPC was qualified as an estimated nondetect, "UJ." The results and reporting limits were reported in µg/L except for the results in sample Outfall 010 which were reported in ng/L. No further qualifications were required.

ALTA

Sample ID: **IOD2043-01** Outfall 001 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample	26117-001	Date Received:	30-Apr-05
Project	IOD2043	Sample Size:	0.977 L	QC Batch No	6789	Date Extracted:	17-May-05
Date Collected:	28-Apr-05			Date Analyzed DB-5:	19-May-05	Date Analyzed DB-225:	NA
Time Collected:	1116						

Rev Qual	Qual Code	Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
U		2,3,7,8-TCDD	ND	0.00000132		
		1,2,3,7,8-PeCDD	ND	0.00000179		
		1,2,3,4,7,8-HxCDD	ND	0.00000375		
		1,2,3,6,7,8-HxCDD	ND	0.00000354		
		1,2,3,7,8,9-HxCDD	ND	0.00000372		
J	DNQ	1,2,3,4,6,7,8-HpCDD	0.0000517			J
		OCDD	0.000373			
U		2,3,7,8-TCDF	ND	0.00000133		
		1,2,3,7,8-PeCDF	ND	0.00000165		
		2,3,4,7,8-PeCDF	ND	0.00000139		
		1,2,3,4,7,8-HxCDF	ND	0.000000862		
		1,2,3,6,7,8-HxCDF	ND	0.000000782		
		2,3,4,6,7,8-HxCDF	ND	0.000000881		
		1,2,3,7,8,9-HxCDF	ND	0.00000157		
J	DNQ	1,2,3,4,6,7,8-HpCDF	0.00000903			A
U		1,2,3,4,7,8,9-HpCDF	ND	0.00000132		
J	DNQ	OCDF	0.0000390			A

Totals				
U	Total TCDD	ND	0.00000132	
U	Total PeCDD	ND	0.00000179	
J	DNQ Total HxCDD	0.0000114		
	Total HpCDD	0.000124		
U	Total TCDF	ND	0.00000133	
U	Total PeCDF	ND	0.00000151	
J	DNQ Total HxCDF	0.00000540		
J	DNQ Total HpCDF	0.0000268		

Labeled Standard		%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	60.8	25 - 164	
	13C-1,2,3,7,8-PeCDD	63.1	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	61.3	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	60.9	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	53.8	23 - 140	
	13C-OCDD	34.9	17 - 157	
	13C-2,3,7,8-TCDF	65.0	24 - 169	
	13C-1,2,3,7,8-PeCDF	66.4	24 - 185	
	13C-2,3,4,7,8-PeCDF	66.3	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	57.6	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	60.4	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	63.2	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	55.9	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	44.4	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	43.0	26 - 138	
	13C-OCDF	33.6	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	81.7	35 - 197	

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c Method detection limit

d Lower control limit - upper control limit.

AMEC VALIDATED

LEVEL IV

Analyst: RAS

Approved By: William J. Luksemburg 20-May-2005 11:09

ALTA

Sample ID: **IOD2044-01** Outfall 002 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	26112-001	Date Received:	30-Apr-05
Project:	IOD2044	Sample Size:	0 950 L	QC Batch No :	6789	Date Extracted:	17-May-05
Date Collected:	28-Apr-05			Date Analyzed DB-5:	19-May-05	Date Analyzed DB-225:	NA
Time Collected:	1406						

Rev Qual	Qual Code	Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
U		2,3,7,8-TCDD	ND	0.00000199		
		1,2,3,7,8-PeCDD	ND	0.00000294		
		1,2,3,4,7,8-HxCDD	ND	0.00000400		
		1,2,3,6,7,8-HxCDD	ND	0.00000399		
		1,2,3,7,8,9-HxCDD	ND	0.00000409		
		1,2,3,4,6,7,8-HpCDD	0.0000557			
		OCDD	0.000706			
U		2,3,7,8-TCDF	ND	0.00000200		
		1,2,3,7,8-PeCDF	ND	0.00000362		
		2,3,4,7,8-PeCDF	ND	0.00000288		
		1,2,3,4,7,8-HxCDF	ND	0.00000117		
		1,2,3,6,7,8-HxCDF	ND	0.00000165		
		2,3,4,6,7,8-HxCDF	ND	0.00000118		
		1,2,3,7,8,9-HxCDF	ND	0.00000214		
J	DNQ	1,2,3,4,6,7,8-HpCDF	0.00000968			A
U		1,2,3,4,7,8,9-HpCDF	ND	0.00000252		
J	DNQ	OCDF	0.0000306			A

Labeled Standard		%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	61.2	25 - 164	
	13C-1,2,3,7,8-PeCDD	65.5	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	63.8	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	65.8	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	61.5	23 - 140	
	13C-OCDD	45.0	17 - 157	
	13C-2,3,7,8-TCDF	66.5	24 - 169	
	13C-1,2,3,7,8-PeCDF	63.6	24 - 185	
	13C-2,3,4,7,8-PeCDF	66.3	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	65.2	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	69.0	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	70.5	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	62.6	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	58.0	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	49.7	26 - 138	
	13C-OCDF	43.8	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	78.7	35 - 197	

Totals

U		Total TCDD	ND	0.00000199	
U		Total PeCDD	ND	0.00000294	
J	DNQ	Total HxCDD	0.00000660		0.0000135
		Total HpCDD	0.000114		
J	DNQ	Total TCDF	0.00000366		
U		Total PeCDF	ND	0.00000322	
J	DNQ	Total HxCDF	0.00000666		0.00000980
J	DNQ	Total HpCDF	0.0000253		

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c Method detection limit.

d. Lower control limit - upper control limit.

AMEC VALIDATED

LEVEL IV

Analyst: RAS

Approved By: William J. Luksemburg 20-May-2005 10:57

ALTA

Sample ID: IOD2049 Outfall 018 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample	26118-001	Date Received:	30-Apr-05
Project:	IOD2049	Sample Size:	0.910 L	QC Batch No.:	6789	Date Extracted:	17-May-05
Date Collected:	28-Apr-05			Date Analyzed DB-5:	19-May-05	Date Analyzed DB-225:	NA
Time Collected	1516						

Rev Qual	Qual Code	Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
U		2,3,7,8-TCDD	ND	0.00000162			IS 13C-2,3,7,8-TCDD	65.5	25 - 164	
		1,2,3,7,8-PeCDD	ND	0.00000180			13C-1,2,3,7,8-PeCDD	66.7	25 - 181	
		1,2,3,4,7,8-HxCDD	ND	0.00000269			13C-1,2,3,4,7,8-HxCDD	64.4	32 - 141	
		1,2,3,6,7,8-HxCDD	ND	0.00000265			13C-1,2,3,6,7,8-HxCDD	63.7	28 - 130	
		1,2,3,7,8,9-HxCDD	ND	0.00000273			13C-1,2,3,4,6,7,8-HpCDD	60.1	23 - 140	
J	DNQ	1,2,3,4,6,7,8-HpCDD	0.0000445			J	13C-OCDD	44.7	17 - 157	
		OCDD	0.000477				13C-2,3,7,8-TCDF	70.2	24 - 169	
U		2,3,7,8-TCDF	ND	0.00000164			13C-1,2,3,7,8-PeCDF	66.1	24 - 185	
		1,2,3,7,8-PeCDF	ND	0.00000218			13C-2,3,4,7,8-PeCDF	67.0	21 - 178	
		2,3,4,7,8-PeCDF	ND	0.00000195			13C-1,2,3,4,7,8-HxCDF	65.1	26 - 152	
		1,2,3,4,7,8-HxCDF	ND	0.00000105			13C-1,2,3,6,7,8-HxCDF	64.8	26 - 123	
		1,2,3,6,7,8-HxCDF	ND	0.000000992			13C-2,3,4,6,7,8-HxCDF	69.4	28 - 136	
		2,3,4,6,7,8-HxCDF	ND	0.00000107			13C-1,2,3,7,8,9-HxCDF	59.2	29 - 147	
		1,2,3,7,8,9-HxCDF	ND	0.00000207			13C-1,2,3,4,6,7,8-HpCDF	55.7	28 - 143	
J	DNQ	1,2,3,4,6,7,8-HpCDF	0.00000505			A	13C-1,2,3,4,7,8,9-HpCDF	49.5	26 - 138	
U		1,2,3,4,7,8,9-HpCDF	ND	0.00000211			13C-OCDF	44.8	17 - 157	
U		OCDF	ND	0.0000145			CRS 37Cl-2,3,7,8-TCDD	87.0	35 - 197	

Totals				Footnotes
U	Total TCDD	ND	0.00000162	a. Sample specific estimated detection limit.
U	Total PeCDD	ND	0.00000180	b. Estimated maximum possible concentration.
J DNQ	Total HxCDD	0.00000896		c. Method detection limit.
J DNQ	Total HpCDD	0.0000879		d. Lower control limit - upper control limit.
J DNQ	Total TCDF	0.00000379		
U	Total PeCDF	ND	0.00000206	
J DNQ	Total HxCDF	0.00000262	0.00000434	
J DNQ	Total HpCDF	0.0000122		

AMEC VALIDATED

LEVEL IV

Analyst: RAS

Approved By: William J. Luksemburg 20-May-2005 11:10

ALTA

Sample ID: IOD2053-01 Outfall 004 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	26120-001	Date Received:	30-Apr-05
Project:	IOD2053	Sample Size:	0.968 L	QC Batch No.:	6789	Date Extracted:	17-May-05
Date Collected:	28-Apr-05			Date Analyzed DB-5:	19-May-05	Date Analyzed DB-225:	NA
Time Collected:	1140						

Rev Qual	Qual Code	Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
U		2,3,7,8-TCDD	ND	0.00000131		
		1,2,3,7,8-PeCDD	ND	0.00000171		
		1,2,3,4,7,8-HxCDD	ND	0.00000161		
		1,2,3,6,7,8-HxCDD	ND	0.00000164		
		1,2,3,7,8,9-HxCDD	ND	0.00000166		
UJ	*ID	1,2,3,4,6,7,8-HpCDD	ND		0.0000163	
		OCDD	0.000234			
U		2,3,7,8-TCDF	ND	0.00000135		
		1,2,3,7,8-PeCDF	ND	0.00000133		
		2,3,4,7,8-PeCDF	ND	0.00000119		
		1,2,3,4,7,8-HxCDF	ND	0.000000591		
		1,2,3,6,7,8-HxCDF	ND	0.000000518		
		2,3,4,6,7,8-HxCDF	ND	0.000000586		
		1,2,3,7,8,9-HxCDF	ND	0.00000105		
J	DNQ	1,2,3,4,6,7,8-HpCDF	0.00000258			A
U		1,2,3,4,7,8,9-HpCDF	ND	0.00000180		
U		OCDF	ND	0.00000877		

Totals					
U		Total TCDD	ND	0.00000131	
U		Total PeCDD	ND	0.00000171	
J	DNQ	Total HxCDD	0.00000183		
J	DNQ	Total HpCDD	0.0000189		0.0000352
U		Total TCDF	ND	0.00000135	
U		Total PeCDF	ND	0.00000126	
J	DNQ	Total HxCDF	0.00000229		
J	DNQ	Total HpCDF	0.00000723		

Labeled Standard		%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	70.3	25 - 164	
	13C-1,2,3,7,8-PeCDD	71.3	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	69.9	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	75.4	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	66.2	23 - 140	
	13C-OCDD	45.9	17 - 157	
	13C-2,3,7,8-TCDF	72.7	24 - 169	
	13C-1,2,3,7,8-PeCDF	70.7	24 - 185	
	13C-2,3,4,7,8-PeCDF	71.8	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	73.2	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	74.6	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	75.6	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	70.0	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	62.5	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	53.9	26 - 138	
	13C-OCDF	47.5	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	87.8	35 - 197	

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

AMEC VALIDATED

LEVEL IV

Analyst RAS

Approved By: William J. Luksemburg 20-May-2005 11:13

ALTA

Sample ID: IOD2056-01 Outfall 009 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	26115-001	Date Received:	30-Apr-05
Project:	IOD2056	Sample Size:	0.960 L	QC Batch No.:	6789	Date Extracted:	17-May-05
Date Collected:	28-Apr-05			Date Analyzed DB-5:	19-May-05	Date Analyzed DB-225:	NA
Time Collected:	1213						

Rev Qual	Qual Code	Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
U		2,3,7,8-TCDD	ND	0.00000140		
		1,2,3,7,8-PeCDD	ND	0.00000144		
		1,2,3,4,7,8-HxCDD	ND	0.00000241		
		1,2,3,6,7,8-HxCDD	ND	0.00000237		
		1,2,3,7,8,9-HxCDD	ND	0.00000244		
J	DNQ	1,2,3,4,6,7,8-HpCDD	0.0000129			A
		OCDD	0.000119			
U		2,3,7,8-TCDF	ND	0.000000942		
		1,2,3,7,8-PeCDF	ND	0.00000149		
		2,3,4,7,8-PeCDF	ND	0.00000125		
		1,2,3,4,7,8-HxCDF	ND	0.000000643		
		1,2,3,6,7,8-HxCDF	ND	0.000000572		
		2,3,4,6,7,8-HxCDF	ND	0.000000654		
		1,2,3,7,8,9-HxCDF	ND	0.00000115		
		1,2,3,4,6,7,8-HpCDF	ND	0.00000154		
		1,2,3,4,7,8,9-HpCDF	ND	0.00000136		
		OCDF	ND	0.00000672		
		Totals				
U		Total TCDD	ND	0.00000140		
		Total PeCDD	ND	0.00000144		
		Total HxCDD	ND	0.00000240		
J	DNQ	Total HpCDD	0.0000303			
U		Total TCDF	ND	0.000000942		
U		Total PeCDF	ND	0.00000136		
J	DNQ	Total HxCDF	0.000000890			
U		Total HpCDF	ND	0.00000194		

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	66.6	25 - 164	
	13C-1,2,3,7,8-PeCDD	70.0	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	71.1	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	71.9	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	63.5	23 - 140	
	13C-OCDD	36.0	17 - 157	
	13C-2,3,7,8-TCDF	70.2	24 - 169	
	13C-1,2,3,7,8-PeCDF	71.7	24 - 185	
	13C-2,3,4,7,8-PeCDF	72.7	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	76.1	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	75.9	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	78.8	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	74.7	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	63.6	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	66.9	26 - 138	
	13C-OCDF	45.5	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	80.5	35 - 197	

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

AMEC VALIDATED

LEVEL IV

Analyst: RAS

Approved By: William J. Luksemburg 20-May-2005 11:05

ALTA

Sample ID: **IOD2058-01** Outfall 010 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	26116-001	Date Received:	30-Apr-05
Project:	IOD2058	Sample Size:	0.95 L	QC Batch No:	6789	Date Extracted:	17-May-05
Date Collected:	28-Apr-05			Date Analyzed DB-5:	19-May-05	Date Analyzed DB-225:	NA
Time Collected:	1205						

Rev Qual	Qual Code	Analyte	Conc. (ng/L)	DL [a]	EMPC [b]	Qualifiers
U		2,3,7,8-TCDD	ND	0.00139		
		1,2,3,7,8-PeCDD	ND	0.00165		
		1,2,3,4,7,8-HxCDD	ND	0.00301		
		1,2,3,6,7,8-HxCDD	ND	0.00283		
		1,2,3,7,8,9-HxCDD	ND	0.00298		
		1,2,3,4,6,7,8-HpCDD	ND	0.00774		
J	DNQ	OCDD	0.0584			
U		2,3,7,8-TCDF	ND	0.00166		
		1,2,3,7,8-PeCDF	ND	0.00262		
		2,3,4,7,8-PeCDF	ND	0.00218		
		1,2,3,4,7,8-HxCDF	ND	0.000772		
		1,2,3,6,7,8-HxCDF	ND	0.000738		
		2,3,4,6,7,8-HxCDF	ND	0.000842		
		1,2,3,7,8,9-HxCDF	ND	0.00149		
		1,2,3,4,6,7,8-HpCDF	ND	0.00231		
		1,2,3,4,7,8,9-HpCDF	ND	0.00224		
		OCDF	ND	0.00980		

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	53.3	25 - 164	
	13C-1,2,3,7,8-PeCDD	53.1	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	62.6	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	63.9	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	52.7	23 - 140	
	13C-OCDD	29.8	17 - 157	
	13C-2,3,7,8-TCDF	57.5	24 - 169	
	13C-1,2,3,7,8-PeCDF	53.6	24 - 185	
	13C-2,3,4,7,8-PeCDF	55.9	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	66.9	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	67.2	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	67.3	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	59.7	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	51.2	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	52.1	26 - 138	
	13C-OCDF	36.1	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	76.1	35 - 197	

Totals

U	Total TCDD	ND	0.00139
	Total PeCDD	ND	0.00165
	Total HxCDD	ND	0.00293
	Total HpCDD	ND	0.0137
	Total TCDF	ND	0.00166
	Total PeCDF	ND	0.00239
	Total HxCDF	ND	0.000911
	Total HpCDF	ND	0.00309

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

AMEC VALIDATED

LEVEL IV

Analyst RAS

Approved By: William J. Luksemburg 20-May-2005 11:07

CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Package ID T711DF36
Task Order 313150010
SDG No. Multiple
No. of Analyses 4

Laboratory Alta
Reviewer K. Shadowlight
Analysis/Method Dioxins

Date: March 25, 2005
Reviewer's Signature K Shadowlight

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications were assigned for the following:
Holding Times	* EMPCs
GC/MS Tune/Inst. Performance	* Detects below the lower method calibration level
Calibration	
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification and Quantitation	
System Performance	
COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

Data Qualifier Reference Table

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or may not be present).

Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D were noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) or calibration blank.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination from trip blank.	Not applicable.
+	False positive – reported compound was not present. Not applicable.	
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination from FB, or ER.	Presumed contamination from FB or ER.
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
DNQ	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.

*#	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).

DATA VALIDATION REPORT

NPDES
Monitoring

ANALYSIS: DIOXINS/FURANS

SAMPLE DELIVERY GROUPS: Multiple SDGs

Prepared by

AMEC—Denver Operations
550 South Wadsworth Boulevard, Suite 500
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010
Sample Delivery Group #:	Multiple
Project Manager:	B. McIlvaine
Matrix:	Water
Analysis:	Dioxins/Furans
QC Level:	Level IV
No. of Samples:	4
No. of Reanalyses/Dilutions:	0
Reviewer:	K. Shadowlight
Date of Review:	March 25 2005

The samples listed in Table 1 were validated based on the guidelines outlined in the *AMEC Data Validation Procedure for Dioxins and Furans (DVP-19, Rev. 1), EPA Method 1613, and the National National Functional Guidelines For Chlorinated Dioxin/Furan Data Review* (8/02). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form 1 as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Client ID	Laboratory ID (Del Mar)	Laboratory ID (Alta)	Matrix	COC Method
Outfall 001	IOC1042-01	25897-001	water	1613
Outfall 002	IOC0995-01	25899-001	water	1613
Outfall 004	IOC0450-01	25848-001	water	1613
Outfall 011	IOC0996-01	25898-001	water	1613

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

All of the samples in these SDGs were received at Del Mar Analytical within the temperature limits of 4°C ±2°C. The samples were shipped to Alta for dioxin/furan analyses and were received below the temperature limits at 1.2°C and 1.3°C; however, as the samples were not noted to have been frozen or damaged, no qualifications were required. According to the laboratory login sheets, all samples were received intact and in good condition at both laboratories. No qualifications were required.

2.1.2 Chain of Custody

The COCs and transfer COCs were legible and signed by the appropriate field and laboratory personnel, and accounted for the analyses presented in these SDGs. As the samples were couriered directly to Del Mar Analytical, custody seals were not required. The coolers received by Alta had custody seals present and intact; however, custody seals were not present on the sample containers. The EPA IDs were added to the sample result summaries by the reviewer. No qualifications were required.

2.1.3 Holding Times

The samples were extracted and analyzed within a year of collection. No qualifications were required.

2.2 INSTRUMENT PERFORMANCE

Following are findings associated with instrument performance:

2.2.1 GC Column Performance

A Windows Defining Mix (WDM) containing the first and last eluting congeners of each descriptor and isomer specificity compounds was not analyzed prior to the initial calibration sequence or at the beginning of each analytical sequence; however, the first and last eluting congeners and isomer specificity compounds were added to the midpoint of the initial calibration and to the continuing calibration standards (see section 2.3.2). The GC column performance in the calibrations was acceptable, with the height of the valley between the closely eluting isomers and 2,3,7,8-TCDD reported as less than 25%. No qualifications were required.

2.2.2 Mass Spectrometer Performance

The mass spectrometer performance was acceptable with the static resolving power greater than 10,000. No qualifications were required.

2.3 CALIBRATION

2.3.1 Initial Calibration

There was one initial calibration, analyzed 08/30/04. The calibration consisted of six concentration level standards (CS0 through CS5) analyzed to verify instrument linearity. The initial calibration was acceptable with %RSDs ≤20% for the 15 native compounds (calibration by isotope dilution) and ≤35% for the two native and all labeled compounds (calibration by internal standard). The relative retention times and ion abundance ratios were within the QC limits listed in Method 1613 for all standards. A representative number of %RSDs were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

2.3.2 Continuing Calibration

Calibration verification (VER) consisted of a mid-level standard (CS3) analyzed at the beginning of each analytical sequence. The VERs were acceptable with the concentrations within the acceptance criteria listed in Table 6 of EPA Method 1613. The ion abundance ratios and relative retention times were within the method QC limits. A representative number of %Ds were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

WDM and isomer specificity compounds were added to the VER standards instead of being analyzed separately, as noted in section 2.2.1 of this report. No adverse effect was observed with this practice.

2.4 BLANKS

One method blank (6613-MB001) was extracted and analyzed with the samples in these SDGs. There were no target compound detects reported in the method blank. A review of the method blank raw data and chromatograms indicated no false negatives. No qualifications were required.

2.5 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

One Ongoing Precision Recovery (OPR) sample (6613-OPR001) was extracted and analyzed with the samples in these SDGs. All recoveries were within the acceptance criteria listed in Table 6 of Method 1613. No qualifications were required.

2.6 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MS/MSD analyses were not performed in these SDGs. Evaluation of method accuracy was based on the OPR results. No qualifications were required.

2.7 FIELD QC SAMPLES

Following are findings associated with field QC:

2.7.1 Field Blanks and Equipment Rinsates

The samples in these SDGs had no associated field QC samples. No qualifications were required.

2.7.2 Field Duplicates

No field duplicate samples were identified for these SDGs.

2.8 INTERNAL STANDARDS

The labeled standard recoveries were within the acceptance criteria listed in Table 7 of Method 1613. No qualifications were required.

2.9 COMPOUND IDENTIFICATION

The laboratory analyzed for polychlorinated dioxins/furans by EPA Method 1613. The compound identifications were verified from the raw data and no false negatives or positives were noted. No qualifications were required.

2.10 COMPOUND QUANTIFICATION AND REPORTED DETECTION LIMITS

Compound quantitation was verified from the raw data. The laboratory calculated and reported compound-specific detection limits. Any reported EMPC was qualified as an estimated nondetect, "UJ." Any detects below the lower method calibration level (MCL) were qualified as estimated, "J." No further qualifications were required.

ALTA

Sample ID: IOC0450-01 Outfall 004 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name.	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	25848-001	Date Received:	8-Mar-05
Project:	IOC0450	Sample Size:	1.002 L	QC Batch No.:	6613	Date Extracted:	18-Mar-05
Date Collected	4-Mar-05			Date Analyzed DB-5:	20-Mar-05	Date Analyzed DB-225:	NA
Time Collected	1430						

Analyte	Conc. (pg/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	1.38		
1,2,3,7,8-PeCDD	ND	1.64		
1,2,3,4,7,8-HxCDD	ND	2.56		
1,2,3,6,7,8-HxCDD	ND	2.56		
1,2,3,7,8,9-HxCDD	ND	2.55		
1,2,3,4,6,7,8-HpCDD	15.7			J
OCDD	216			
2,3,7,8-TCDF	ND	1.54		
1,2,3,7,8-PeCDF	ND	2.57		
2,3,4,7,8-PeCDF	ND	2.28		
1,2,3,4,7,8-HxCDF	ND	0.705		
1,2,3,6,7,8-HxCDF	ND	0.692		
2,3,4,6,7,8-HxCDF	ND	0.747		
1,2,3,7,8,9-HxCDF	ND	1.13		
1,2,3,4,6,7,8-HpCDF	2.98			J
1,2,3,4,7,8,9-HpCDF	ND	1.01		
OCDF	6.09			J

Labeled Standard		%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	69.6	25 - 164	
	13C-1,2,3,7,8-PeCDD	62.9	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	62.9	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	67.8	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	61.4	23 - 140	
	13C-OCDD	39.7	17 - 157	
	13C-2,3,7,8-TCDF	72.7	24 - 169	
	13C-1,2,3,7,8-PeCDF	57.6	24 - 185	
	13C-2,3,4,7,8-PeCDF	61.0	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	54.8	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	59.9	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	62.4	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	60.6	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	55.6	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	66.9	26 - 138	
	13C-OCDF	50.4	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	85.8	35 - 197	

Totals

Total TCDD	ND	1.38	
Total PeCDD	ND	1.64	
Total HxCDD	ND		1.60
Total HpCDD	29.7		
Total TCDF	ND	1.54	
Total PeCDF	ND	2.42	
Total HxCDF	5.57		6.69
Total HpCDF	8.54		

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: Martha M. Maier 22-Mar-2005 09:19

pm 4/12/05 Rev 1

AMEC VALIDATED LEVEL IV

ALTA

Sample ID: IOC0995 Outfall 002 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample.	25899-001	Date Received:	15-Mar-05
Project:	IOC0995	Sample Size:	1.045 L	QC Batch No..	6613	Date Extracted:	18-Mar-05
Date Collected:	11-Mar-05			Date Analyzed DB-5:	21-Mar-05	Date Analyzed DB-225:	NA
Time Collected.	1044						

Analyte	Conc. (pg/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	1.08		
1,2,3,7,8-PeCDD	ND	1.14		
1,2,3,4,7,8-HxCDD	ND	2.08		
1,2,3,6,7,8-HxCDD	ND	1.98		
1,2,3,7,8,9-HxCDD	ND	2.02		
1,2,3,4,6,7,8-HpCDD	ND	1.15		
OCDD	ND		3.59	
2,3,7,8-TCDF	ND	1.33		
1,2,3,7,8-PeCDF	ND	2.31		
2,3,4,7,8-PeCDF	ND	1.96		
1,2,3,4,7,8-HxCDF	ND	0.598		
1,2,3,6,7,8-HxCDF	ND	0.589		
2,3,4,6,7,8-HxCDF	ND	0.628		
1,2,3,7,8,9-HxCDF	ND	0.930		
1,2,3,4,6,7,8-HpCDF	ND	0.816		
1,2,3,4,7,8,9-HpCDF	ND	0.876		
OCDF	ND	2.09		

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	61.3	25 - 164	
	13C-1,2,3,7,8-PeCDD	55.5	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	65.0	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	67.7	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	67.8	23 - 140	
	13C-OCDD	52.8	17 - 157	
	13C-2,3,7,8-TCDF	66.2	24 - 169	
	13C-1,2,3,7,8-PeCDF	54.4	24 - 185	
	13C-2,3,4,7,8-PeCDF	55.6	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	54.9	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	62.7	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	63.4	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	61.2	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	60.6	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	68.7	26 - 138	
	13C-OCDF	59.9	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	79.6	35 - 197	

Totals

Total TCDD	ND	1.08
Total PeCDD	ND	1.14
Total HxCDD	ND	2.02
Total HpCDD	ND	1.15
Total TCDF	ND	1.33
Total PeCDF	ND	2.13
Total HxCDF	ND	0.673
Total HpCDF	ND	0.841

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: Martha M. Maier 22-Mar-2005 09:45

VALIDATED

ALTA

Sample ID: IOC0996 Outfall 011 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name.	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	25898-001	Date Received:	15-Mar-05
Project	IOC0996	Sample Size:	1.001 L	QC Batch No.:	6613	Date Extracted:	18-Mar-05
Date Collected.	11-Mar-05			Date Analyzed DB-5:	21-Mar-05	Date Analyzed DB-225:	NA
Time Collected	1325						

Analyte	Conc. (pg/L)	DL [a]	EMPC[b]	Qualifiers
2,3,7,8-TCDD	ND	1.07		
1,2,3,7,8-PeCDD	ND	1.14		
1,2,3,4,7,8-HxCDD	ND	2.02		
1,2,3,6,7,8-HxCDD	ND	1.93		
1,2,3,7,8,9-HxCDD	ND	1.96		
1,2,3,4,6,7,8-HpCDD	3.61			J
OCDD	28.6			J
2,3,7,8-TCDF	ND	1.17		
1,2,3,7,8-PeCDF	ND	2.10		
2,3,4,7,8-PeCDF	ND	1.85		
1,2,3,4,7,8-HxCDF	ND	0.650		
1,2,3,6,7,8-HxCDF	ND	0.629		
2,3,4,6,7,8-HxCDF	ND	0.725		
1,2,3,7,8,9-HxCDF	ND	1.08		
1,2,3,4,6,7,8-HpCDF	ND	0.897		
1,2,3,4,7,8,9-HpCDF	ND	0.989		
OCDF	ND	2.32		

	Labeled Standard	%R	LCL-UCL[d]	Qualifiers
IS	13C-2,3,7,8-TCDD	65.2	25 - 164	
	13C-1,2,3,7,8-PeCDD	59.0	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	61.0	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	67.5	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	63.7	23 - 140	
	13C-OCDD	39.5	17 - 157	
	13C-2,3,7,8-TCDF	67.1	24 - 169	
	13C-1,2,3,7,8-PeCDF	55.0	24 - 185	
	13C-2,3,4,7,8-PeCDF	57.9	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	53.2	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	60.2	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	59.7	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	58.9	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	58.4	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	64.3	26 - 138	
	13C-OCDF	48.6	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	79.4	35 - 197	

Totals

Total TCDD	ND	1.07	
Total PeCDD	ND	1.14	
Total HxCDD	ND	1.97	
Total HpCDD	7.45		DNQ
Total TCDF	1.24		DNQ
Total PeCDF	ND	1.97	
Total HxCDF	ND	0.754	
Total HpCDF	ND	0.937	

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: Martha M. Maier 22-Mar-2005 09:36

MEC VALIDATED

LEVEL IV

ALTA

Sample ID: IOC1042-01 Outfall 001 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	25897-001	Date Received:	15-Mar-05
Project:	IOC1042	Sample Size:	1.041 L	QC Batch No.:	6613	Date Extracted:	18-Mar-05
Date Collected:	12-Mar-05			Date Analyzed DB-5:	21-Mar-05	Date Analyzed DB-225:	NA
Time Collected:	0940						

Analyte	Conc. (pg/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	1.15		
1,2,3,7,8-PeCDD	ND	0.966		
1,2,3,4,7,8-HxCDD	ND	1.53		
1,2,3,6,7,8-HxCDD	ND	1.50		
1,2,3,7,8,9-HxCDD	ND	1.51		
1,2,3,4,6,7,8-HpCDD	ND	2.48		
OCDD	ND		7.38	
2,3,7,8-TCDF	ND	1.28		
1,2,3,7,8-PeCDF	ND	2.27		
2,3,4,7,8-PeCDF	ND	2.01		
1,2,3,4,7,8-HxCDF	ND	0.512		
1,2,3,6,7,8-HxCDF	ND	0.500		
2,3,4,6,7,8-HxCDF	ND	0.556		
1,2,3,7,8,9-HxCDF	ND	0.841		
1,2,3,4,6,7,8-HpCDF	ND	0.916		
1,2,3,4,7,8,9-HpCDF	ND	0.958		
OCDF	ND	2.32		

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	70.9	25 - 164	
	13C-1,2,3,7,8-PeCDD	65.6	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	69.8	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	77.4	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	80.8	23 - 140	
	13C-OCDD	65.4	17 - 157	
	13C-2,3,7,8-TCDF	71.7	24 - 169	
	13C-1,2,3,7,8-PeCDF	60.9	24 - 185	
	13C-2,3,4,7,8-PeCDF	62.4	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	60.7	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	67.7	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	68.7	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	68.6	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	68.7	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	81.6	26 - 138	
	13C-OCDF	74.3	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	85.6	35 - 197	

Totals		
Total TCDD	ND	1.15
Total PeCDD	ND	0.966
Total HxCDD	ND	1.51
Total HpCDD	ND	2.48
Total TCDF	ND	1.28
Total PeCDF	ND	2.13
Total HxCDF	ND	0.591
Total HpCDF	ND	0.932

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: Martha M. Maier 22-Mar-2005 09:31

AMEC VALIDATED LEVEL IV

CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Package ID T711DF35
Task Order 313150010
SDG No. Multiple
No. of Analyses 6

Laboratory Alta
Reviewer K. Shadowlight
Analysis/Method Dioxins

Date: March 23, 2005
Reviewer's Signature K. Shadowlight

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications were assigned for the following:
Holding Times	* EMPCs
GC/MS Tune/Inst. Performance	* Detects below the lower method calibration level
Calibration	
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification and Quantitation	
System Performance	
COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

Data Qualifier Reference Table

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or may not be present).

Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D were noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) or calibration blank.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination from trip blank.	Not applicable.
+	False positive – reported compound was not present. Not applicable.	
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination from FB, or ER.	Presumed contamination from FB or ER.
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
DNQ	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.

*#	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).

DATA VALIDATION REPORT

NPDES
Monitoring

ANALYSIS: DIOXINS/FURANS

SAMPLE DELIVERY GROUPS: Multiple SDGs

Prepared by

AMEC—Denver Operations
550 South Wadsworth Boulevard, Suite 500
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010
Sample Delivery Group #:	Multiple
Project Manager:	B. McIlvaine
Matrix:	Water
Analysis:	Dioxins/Furans
QC Level:	Level IV
No. of Samples:	6
No. of Reanalyses/Dilutions:	0
Reviewer:	K. Shadowlight
Date of Review:	March 21, 2005

The samples listed in Table 1 were validated based on the guidelines outlined in the *AMEC Data Validation Procedure for Dioxins and Furans (DVP-19, Rev. 1), EPA Method 1613, and the National National Functional Guidelines For Chlorinated Dioxin/Furan Data Review* (8/02). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Client ID	Laboratory ID (Del Mar)	Laboratory ID (Alta)	Matrix	COC Method
Outfall 002	IOC0447-01	25853-001	water	1613
Outfall 003	IOC0449-01	25854-001	water	1613
Outfall 004	IOC0455-01	25855-001	water	1613
Outfall 005	IOC0451-01	25855-001	water	1613
Outfall 007	IOC0453-01	25856-001	water	1613
Outfall 011	IOC0448-01	25852-001	water	1613

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

All of the samples in these SDGs were received at Del Mar Analytical within the temperature limits of 4°C ±2°C. The samples were shipped to Alta for dioxin/furan analyses and were received below the temperature limits at 1.3°C and 1.4°C; however, as the samples were not noted to have been frozen or damaged, no qualifications were required. According to the laboratory login sheets, all samples were received intact and in good condition at both laboratories. No qualifications were required.

2.1.2 Chain of Custody

The COCs and transfer COCs were legible and signed by the appropriate field and laboratory personnel, and accounted for the analyses presented in these SDGs. As the samples were couriered directly to Del Mar Analytical, custody seals were not required. The coolers received by Alta had custody seals present and intact; however, custody seals were not present on the sample containers. The EPA IDs were added to the sample result summaries by the reviewer. No qualifications were required.

2.1.3 Holding Times

The samples were extracted and analyzed within a year of collection. No qualifications were required.

2.2 INSTRUMENT PERFORMANCE

Following are findings associated with instrument performance:

2.2.1 GC Column Performance

A Windows Defining Mix (WDM) containing the first and last eluting congeners of each descriptor and isomer specificity compounds was not analyzed prior to the initial calibration sequence or at the beginning of each analytical sequence; however, the first and last eluting congeners and isomer specificity compounds were added to the midpoint of the initial calibration and to the continuing calibration standards (see section 2.3.2). The GC column performance in the calibrations was acceptable, with the height of the valley between the closely eluting isomers and 2,3,7,8-TCDD reported as less than 25%. No qualifications were required.

2.2.2 Mass Spectrometer Performance

The mass spectrometer performance was acceptable with the static resolving power greater than 10,000. No qualifications were required.

2.3 CALIBRATION

2.3.1 Initial Calibration

There was one initial calibration, analyzed 08/30/04. The calibration consisted of six concentration level standards (CS0 through CS5) analyzed to verify instrument linearity. The initial calibration was acceptable with %RSDs ≤20% for the 15 native compounds (calibration by isotope dilution) and ≤35% for the two native and all labeled compounds (calibration by internal standard). The relative retention times and ion abundance ratios were within the QC limits listed in Method 1613 for all standards. A representative number of %RSDs were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

2.3.2 Continuing Calibration

Calibration verification (VER) consisted of a mid-level standard (CS3) analyzed at the beginning of each analytical sequence. The VERs were acceptable with the concentrations within the acceptance criteria listed in Table 6 of EPA Method 1613. The ion abundance ratios and relative retention times were within the method QC limits. A representative number of %Ds were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

WDM and isomer specificity compounds were added to the VER standards instead of being analyzed separately, as noted in section 2.2.1 of this report. No adverse effect was observed with this practice.

2.4 BLANKS

One method blank (6593-MB001) was extracted and analyzed with the samples in these SDGs. Total TCDF was reported at 1.4 pg/L and target compound 1,2,3,6,7,8-HxCDF was reported as an EMPC. The results for total TCDF in samples Outfall 003 and Outfall 011 were qualified as estimated nondetects "UJ," at the levels of interference. A review of the method blank raw data and chromatograms indicated no false negatives or false positives. No further qualifications were required.

2.5 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

One Ongoing Precision Recovery (OPR) sample (6593-OPR001) was extracted and analyzed with the samples in these SDGs. All recoveries were within the acceptance criteria listed in Table 6 of Method 1613. No qualifications were required.

2.6 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MS/MSD analyses were not performed in these SDGs. Evaluation of method accuracy was based on the OPR results. No qualifications were required.

2.7 FIELD QC SAMPLES

Following are findings associated with field QC:

2.7.1 Field Blanks and Equipment Rinsates

The samples in these SDGs had no associated field QC samples. No qualifications were required.

2.7.2 Field Duplicates

No field duplicate samples were identified for these SDGs.

2.8 INTERNAL STANDARDS

The labeled standard recoveries were within the acceptance criteria listed in Table 7 of Method 1613. No qualifications were required.

2.9 COMPOUND IDENTIFICATION

The laboratory analyzed for polychlorinated dioxins/furans by EPA Method 1613. The compound identifications were verified from the raw data and no false negatives or positives were noted. No qualifications were required.

2.10 COMPOUND QUANTIFICATION AND REPORTED DETECTION LIMITS

Compound quantitation was verified from the raw data. The laboratory calculated and reported compound-specific detection limits. Any reported EMPC was qualified as an estimated nondetect, "UJ." Any detects below the lower method calibration level (MCL) were qualified as estimated, "J." The result for total TCDF in sample Outfall 003 was flagged by the laboratory with a "D" qualifier which indicated possible diphenylether interference; however, the result was qualified as a nondetect due to method blank contamination and no qualifications were required. No further qualifications were required.

Sample ID: IOC0447-01 outfall 002 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	25853-001	Date Received:	8-Mar-05
Project:	IOC0447	Sample Size:	0.988 L	QC Batch No.:	6593	Date Extracted	11-Mar-05
Date Collected:	4-Mar-05			Date Analyzed DB-5:	15-Mar-05	Date Analyzed DB-225:	NA
Time Collected:	0926						

Analyte	Conc. (pg/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.877		
1,2,3,7,8-PeCDD	ND	0.530		
1,2,3,4,7,8-HxCDD	ND	1.15		
1,2,3,6,7,8-HxCDD	ND	1.19		
1,2,3,7,8,9-HxCDD	ND	1.17		
1,2,3,4,6,7,8-HpCDD	0.862			J
OCDD	6.50			J
2,3,7,8-TCDF	ND	0.676		
1,2,3,7,8-PeCDF	ND	1.16		
2,3,4,7,8-PeCDF	ND	1.03		
1,2,3,4,7,8-HxCDF	ND	0.324		
1,2,3,6,7,8-HxCDF	ND	0.311		
2,3,4,6,7,8-HxCDF	ND	0.359		
1,2,3,7,8,9-HxCDF	ND	0.557		
1,2,3,4,6,7,8-HpCDF	ND	0.799		
1,2,3,4,7,8,9-HpCDF	ND	0.907		
OCDF	ND	2.67		

Labeled Standard		%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	74.1	25 - 164	
	13C-1,2,3,7,8-PeCDD	73.1	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	86.2	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	94.1	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	82.0	23 - 140	
	13C-OCDD	56.0	17 - 157	
	13C-2,3,7,8-TCDF	77.3	24 - 169	
	13C-1,2,3,7,8-PeCDF	67.5	24 - 185	
	13C-2,3,4,7,8-PeCDF	71.0	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	74.3	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	82.0	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	80.7	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	78.6	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	76.6	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	82.9	26 - 138	
	13C-OCDF	65.9	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	76.7	35 - 197	

Totals		
Total TCDD	ND	0.877
Total PeCDD	ND	0.530
Total HxCDD	ND	1.17
Total HpCDD	1.66	
Total TCDF	ND	0.676
Total PeCDF	ND	1.09
Total HxCDF	ND	0.377
Total HpCDF	ND	0.846

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH PM Rev1 4/14/05

Approved By: Martha M. Maier 16-Mar-2005 13:04

AUTO VALIDATED

LEVEL II

Sample ID: **IOC0449-01** 24fall 003 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	25854-001	Date Received:	8-Mar-05
Project	IOC0449	Sample Size:	0.934 L	QC Batch No.:	6593	Date Extracted	11-Mar-05
Date Collected:	4-Mar-05			Date Analyzed DB-5:	15-Mar-05	Date Analyzed DB-225:	NA
Time Collected:	0925						

Analyte	Conc. (pg/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	1.03		
1,2,3,7,8-PeCDD	ND	0.747		
1,2,3,4,7,8-HxCDD	ND	1.62		
1,2,3,6,7,8-HxCDD	ND	1.73		
1,2,3,7,8,9-HxCDD	ND	1.67		
1,2,3,4,6,7,8-HpCDD	ND		1.22	
OCDD	13.7			J
2,3,7,8-TCDF	ND	0.833		
1,2,3,7,8-PeCDF	ND	1.41		
2,3,4,7,8-PeCDF	ND	1.27		
1,2,3,4,7,8-HxCDF	ND	0.459		
1,2,3,6,7,8-HxCDF	ND	0.470		
2,3,4,6,7,8-HxCDF	ND	0.501		
1,2,3,7,8,9-HxCDF	ND	0.743		
1,2,3,4,6,7,8-HpCDF	ND	0.856		
1,2,3,4,7,8,9-HpCDF	ND	0.953		
OCDF	ND	3.40		

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	63.6	25 - 164	
	13C-1,2,3,7,8-PeCDD	59.5	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	60.9	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	66.0	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	58.9	23 - 140	
	13C-OCDD	34.8	17 - 157	
	13C-2,3,7,8-TCDF	66.7	24 - 169	
	13C-1,2,3,7,8-PeCDF	54.3	24 - 185	
	13C-2,3,4,7,8-PeCDF	56.1	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	53.4	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	57.9	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	59.5	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	60.4	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	52.9	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	58.4	26 - 138	
	13C-OCDF	41.7	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	77.0	35 - 197	

Totals				
Total TCDD	ND	1.03		
Total PeCDD	ND	0.747		
Total HxCDD	ND	1.67		
Total HpCDD	2.22		3.44	
Total TCDF	3.05			B,D
Total PeCDF	ND	1.34		
Total HxCDF	ND	0.534		
Total HpCDF	ND	0.898		

Footnotes

a. Sample specific estimated detection limit

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH PM 4/12/05

Approved By: Martha M. Maier 16-Mar-2005 13:17

PM 4/12/05 Rev 1

AMEC VALIDATED

Sample ID: IOC0451-01 2nd fr. 11 305 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	25855-001	Date Received:	8-Mar-05
Project:	IOC0451	Sample Size:	0.951 L	QC Batch No:	6593	Date Extracted:	11-Mar-05
Date Collected:	4-Mar-05			Date Analyzed DB-5:	15-Mar-05	Date Analyzed DB-225:	NA
Time Collected:	1050						

Analyte	Conc. (pg/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.853		
1,2,3,7,8-PeCDD	ND	0.611		
1,2,3,4,7,8-HxCDD	ND	1.43		
1,2,3,6,7,8-HxCDD	ND	1.38		
1,2,3,7,8,9-HxCDD	ND	1.40		
1,2,3,4,6,7,8-HpCDD	1.31			J
OCDD	14.7			J
2,3,7,8-TCDF	ND	1.08		
1,2,3,7,8-PeCDF	ND	1.53		
2,3,4,7,8-PeCDF	ND	1.34		
1,2,3,4,7,8-HxCDF	ND	0.457		
1,2,3,6,7,8-HxCDF	ND	0.450		
2,3,4,6,7,8-HxCDF	ND	0.524		
1,2,3,7,8,9-HxCDF	ND	0.749		
1,2,3,4,6,7,8-HpCDF	ND	0.974		
1,2,3,4,7,8,9-HpCDF	ND	0.973		
OCDF	ND	4.10		

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	69.0	25 - 164	
	13C-1,2,3,7,8-PeCDD	68.3	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	80.3	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	83.5	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	70.5	23 - 140	
	13C-OCDD	39.3	17 - 157	
	13C-2,3,7,8-TCDF	71.4	24 - 169	
	13C-1,2,3,7,8-PeCDF	62.9	24 - 185	
	13C-2,3,4,7,8-PeCDF	66.8	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	65.4	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	72.5	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	72.3	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	70.3	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	63.6	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	73.2	26 - 138	
	13C-OCDF	46.3	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	73.6	35 - 197	

Totals		
Total TCDD	ND	0.853
Total PeCDD	ND	0.611
Total HxCDD	ND	1.41
Total HpCDD	1.31	
Total TCDF	ND	1.08
Total PeCDF	ND	1.43
Total HxCDF	ND	0.533
Total HpCDF	ND	0.969

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: Martha M. Maier 16-Mar-2005 14:39

Sample ID: **IOC0453-01** Outfall 007 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	25856-001	Date Received:	8-Mar-05
Project:	IOC0453	Sample Size:	0.963 L	QC Batch No.:	6593	Date Extracted:	11-Mar-05
Date Collected:	4-Mar-05			Date Analyzed DB-5:	15-Mar-05	Date Analyzed DB-225:	NA
Time Collected:	1118						

Analyte	Conc. (pg/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.873		
1,2,3,7,8-PeCDD	ND	0.738		
1,2,3,4,7,8-HxCDD	ND	1.68		
1,2,3,6,7,8-HxCDD	ND	1.81		
1,2,3,7,8,9-HxCDD	ND	1.74		
1,2,3,4,6,7,8-HpCDD	3.57			J
OCDD	31.7			J
2,3,7,8-TCDF	ND	0.820		
1,2,3,7,8-PeCDF	ND	1.24		
2,3,4,7,8-PeCDF	ND	1.09		
1,2,3,4,7,8-HxCDF	ND	0.454		
1,2,3,6,7,8-HxCDF	ND	0.444		
2,3,4,6,7,8-HxCDF	ND	0.488		
1,2,3,7,8,9-HxCDF	ND	0.761		
1,2,3,4,6,7,8-HpCDF	ND	0.753		
1,2,3,4,7,8,9-HpCDF	ND	0.817		
OCDF	ND	2.32		

Totals			
Total TCDD	ND	0.873	
Total PeCDD	ND	0.738	
Total HxCDD	ND	1.74	
Total HpCDD	8.96		
Total TCDF	ND	0.820	
Total PeCDF	ND	1.16	
Total HxCDF	ND	0.524	
Total HpCDF	ND	0.780	

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	68.3	25 - 164	
	13C-1,2,3,7,8-PeCDD	66.1	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	74.6	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	76.0	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	66.8	23 - 140	
	13C-OCDD	46.0	17 - 157	
	13C-2,3,7,8-TCDF	72.7	24 - 169	
	13C-1,2,3,7,8-PeCDF	60.8	24 - 185	
	13C-2,3,4,7,8-PeCDF	65.0	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	60.3	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	67.2	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	67.6	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	65.7	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	59.9	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	66.7	26 - 138	
	13C-OCDF	50.6	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	79.4	35 - 197	

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration

c. Method detection limit

d. Lower control limit - upper control limit.

Analyst: JMH Rev 1

Approved By: Martha M. Maier 16-Mar-2005 14:32

AMEC VALIDATED

Sample ID: **IOC0455-01** Outfall 009 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	25857-001	Date Received:	8-Mar-05
Project:	IOC0455	Sample Size:	0.986 L	QC Batch No.:	6593	Date Extracted:	11-Mar-05
Date Collected:	4-Mar-05			Date Analyzed DB-5:	15-Mar-05	Date Analyzed DB-225:	NA
Time Collected:	1106						

Analyte	Conc. (pg/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.611		
1,2,3,7,8-PeCDD	ND	0.481		
1,2,3,4,7,8-HxCDD	ND	0.930		
1,2,3,6,7,8-HxCDD	ND	0.988		
1,2,3,7,8,9-HxCDD	ND	0.958		
1,2,3,4,6,7,8-HpCDD	2.36			J
OCDD	18.2			J
2,3,7,8-TCDF	ND	0.776		
1,2,3,7,8-PeCDF	ND	0.934		
2,3,4,7,8-PeCDF	ND	0.816		
1,2,3,4,7,8-HxCDF	ND	0.376		
1,2,3,6,7,8-HxCDF	ND	0.358		
2,3,4,6,7,8-HxCDF	ND	0.418		
1,2,3,7,8,9-HxCDF	ND	0.611		
1,2,3,4,6,7,8-HpCDF	ND	0.734		
1,2,3,4,7,8,9-HpCDF	ND	0.805		
OCDF	ND	2.47		
Totals				
Total TCDD	ND	0.611		
Total PeCDD	ND	0.481		
Total HxCDD	ND	0.959		
Total HpCDD	5.86			
Total TCDF	ND	0.776		
Total PeCDF	ND	0.873		
Total HxCDF	0.379			
Total HpCDF	ND	0.764		

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	79.3	25 - 164	
	13C-1,2,3,7,8-PeCDD	79.9	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	86.4	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	89.6	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	86.2	23 - 140	
	13C-OCDD	60.4	17 - 157	
	13C-2,3,7,8-TCDF	80.7	24 - 169	
	13C-1,2,3,7,8-PeCDF	73.1	24 - 185	
	13C-2,3,4,7,8-PeCDF	76.5	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	71.2	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	78.7	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	78.7	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	80.2	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	78.8	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	86.5	26 - 138	
	13C-OCDF	66.9	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	81.5	35 - 197	

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

PM 4/12/05

AMEC VALIDATED

Approved By: Martha M. Maier 16-Mar-2005 13:33

Sample ID: **IOC0448-01** Outfall 211 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	25852-001	Date Received:	8-Mar-05
Project	IOC0448	Sample Size:	0.975 L	QC Batch No.:	6593	Date Extracted:	11-Mar-05
Date Collected	4-Mar-05			Date Analyzed DB-5:	15-Mar-05	Date Analyzed DB-225:	NA
Time Collected	1144						

Analyte	Conc. (pg/L)	DL [a]	EMPC[b]	Qualifiers
2,3,7,8-TCDD	ND	0.847		
1,2,3,7,8-PeCDD	ND	0.698		
1,2,3,4,7,8-HxCDD	ND	1.09		
1,2,3,6,7,8-HxCDD	ND	1.14		
1,2,3,7,8,9-HxCDD	ND	1.11		
1,2,3,4,6,7,8-HpCDD	2.64			J
OCDD	25.1			J
2,3,7,8-TCDF	ND	0.631		
1,2,3,7,8-PeCDF	ND	1.07		
2,3,4,7,8-PeCDF	ND	0.964		
1,2,3,4,7,8-HxCDF	ND	0.266		
1,2,3,6,7,8-HxCDF	ND	0.259		
2,3,4,6,7,8-HxCDF	ND	0.293		
1,2,3,7,8,9-HxCDF	ND	0.426		
1,2,3,4,6,7,8-HpCDF	ND		0.694	
1,2,3,4,7,8,9-HpCDF	ND	0.598		
OCDF	ND	2.38		

Labeled Standard		%R	LCL-UCL[d]	Qualifiers
IS	13C-2,3,7,8-TCDD	74.7	25 - 164	
	13C-1,2,3,7,8-PeCDD	76.3	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	83.4	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	87.1	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	83.1	23 - 140	
	13C-OCDD	55.1	17 - 157	
	13C-2,3,7,8-TCDF	76.6	24 - 169	
	13C-1,2,3,7,8-PeCDF	70.5	24 - 185	
	13C-2,3,4,7,8-PeCDF	74.1	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	71.9	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	77.0	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	79.3	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	79.5	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	76.5	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	83.5	26 - 138	
	13C-OCDF	63.3	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	79.6	35 - 197	

Totals				
Total TCDD	ND	0.847		
Total PeCDD	ND	0.698		
Total HxCDD	ND	1.11		
Total HpCDD	6.42			
Total TCDF	0.847		1.55	B
Total PeCDF	ND		0.908	
Total HxCDF	0.445			
Total HpCDF	ND		0.694	

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: Martha M. Maier 16-Mar-2005 12:54

LEVEL IV

ACCREDITED

CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Package ID T711DF33
Task Order 313150010
SDG No. Multiple
No. of Analyses 3

Laboratory Pace
Reviewer K. Shadowlight
Analysis/Method Dioxins

Date: March 18, 2005
Reviewer's Signature K Shadowlight

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications were assigned for the following:
Holding Times	* Method blank contamination
GC/MS Tune/Inst. Performance	* Internal standard recovery outliers
Calibration	* Detects below the lower method calibration level
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification and Quantitation	
System Performance	
COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

Data Qualifier Reference Table

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or may not be present).

Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D were noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) or calibration blank.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination from trip blank.	Not applicable.
+	False positive – reported compound was not present. Not applicable.	
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination from FB, or ER.	Presumed contamination from FB or ER.
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
DNQ	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.

*#	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).

DATA VALIDATION REPORT

NPDES
Monitoring

ANALYSIS: DIOXINS/FURANS

SAMPLE DELIVERY GROUPS: IOA1674, IOA1803, IOA1804

Prepared by

AMEC—Denver Operations
550 South Wadsworth Boulevard, Suite 500
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010
Sample Delivery Group #:	IOA1674, IOA1803, IOA1804
Project Manager:	B. McIlvaine
Matrix:	Water
Analysis:	Dioxins/Furans
QC Level:	Level IV
No. of Samples:	3
No. of Reanalyses/Dilutions:	0
Reviewer:	K. Shadowlight
Date of Review:	March 18, 2005

The samples listed in Table 1 were validated based on the guidelines outlined in the *AMEC Data Validation Procedure for Dioxins and Furans (DVP-19, Rev. 1), EPA Method 1613, and the National National Functional Guidelines For Chlorinated Dioxin/Furan Data Review* (8/02). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Client ID	Laboratory ID (Del Mar)	Laboratory ID (Pace)	Matrix	COC Method
Outfall 004	IOA1804-01	106983001	water	1613
Outfall 005	IOA1674-01	106914001	water	1613
Outfall 006	IOA1803-01	106982001	water	1613

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The samples in these SDGs were received at Del Mar Analytical within the temperature limits of 4°C ±2°C. The samples were subcontracted to Pace Analytical for the dioxin/furan analyses. Sample Outfall 005 was received at Pace below the temperature limits of 4°C ± 2°C, at 1.2°C; however, as the sample was not noted to have been frozen or damaged, no qualifications were required. The remaining samples in these SDGs were received at Pace Analytical Services within the temperature limits of 4°C ± 2°C. No qualifications were required.

2.1.2 Chain of Custody

The COCs and transfer COCs were signed by the appropriate field and laboratory personnel. The samples and analyses were accounted for on both the original COCs and transfer COCs. As the samples were couriered directly to the laboratory (Del Mar Analytical), custody seals were not required. There was no information regarding custody seals upon receipt at Pace. No qualifications were required.

2.1.3 Holding Times

The samples were extracted and analyzed within one year of collection. No qualifications were required.

2.2 INSTRUMENT PERFORMANCE

Following are findings associated with instrument performance:

2.2.1 GC Column Performance

A column performance standard was combined with the daily calibration verification and analyzed at the beginning of each analytical sequence. The GC column performance was acceptable with the chromatographic separation of 2,3,7,8-TCDD and other TCDD isomers resolved with a valley of ≤25%. No qualifications were required.

2.2.2 Mass Spectrometer Performance

The mass spectrometer performance could not be evaluated as the laboratory did not provide selected ion current profiles for the lock-mass ions. No qualifications were required.

2.3 CALIBRATION

2.3.1 Initial Calibration

There was one initial calibration, analyzed 11/29/04 on instrument 10MSHR05. The calibration consisted of five concentration level standards (CS1 through CS5) analyzed to verify instrument linearity. The initial calibration was acceptable with %RSDs ≤20% for the 15 native compounds (calibration by isotope dilution) and ≤35% for the 2 native and all labeled compounds (calibration by internal standard). The relative retention times and ion abundance ratios were within the QC limits listed in Method 1613 for all standards. A representative number of %RSDs were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

2.3.2 Continuing Calibration

Calibration verification (VER) consisted of a mid-level standard (CS3) analyzed at the beginning of each analytical sequence. The VER was acceptable with the concentrations within the acceptance criteria listed in the Table 6 of the EPA Method 1613. The ion abundance ratios and relative retention times were within the method QC limits. A representative number of %Ds were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

2.4 BLANKS

One method blank (Blank-6264) was extracted and analyzed with the samples in these SDGs. Target compounds 1,2,3,4,6,7,8-HpCDF, total HpCDF, and OCDF were reported in the method blank at concentrations below the lower method calibration limit. Any detects for the aforementioned target compounds reported at concentrations <5× the concentrations reported in the method blank were qualified as estimated nondetects "UJ," at the levels of interference in the samples of these SDGs. The detect for total HpCDF was qualified as estimated, "J," in sample Outfall 006, as only a portion of the total concentration was attributed to method blank contamination. Target compound OCDD was reported as an EMPC in the method blank. A review of the method blank raw data and chromatograms indicated no false negatives or false positives. No further qualifications were required.

2.5 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

One LCS/LCSD pair (LCS-6265/LCSD-6266) was extracted and analyzed with the samples in these SDGs. All recoveries were within the acceptance criteria listed in Table 6 of the Method 1613. There are no method QC limits established for RPDs. The reported RPDs were within ±20%. No qualifications were required.

2.6 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MS/MSD analyses were not performed in these SDGs. Evaluation of method accuracy and precision was based on the LCS/LCSD results. No qualifications were required.

2.7 FIELD QC SAMPLES

Following are findings associated with field QC:

2.7.1 Field Blanks and Equipment Rinsates

The samples in these SDGs had no associated field QC samples. No qualifications were required.

2.7.2 Field Duplicates

No field duplicate samples were identified for these SDGs.

2.8 INTERNAL STANDARDS

Internal standard 2,3,7,8-TCDF-13C was recovered below QC limits at 22% and 8% in samples Outfall 004 and Outfall 005, respectively. Internal standard 2,3,7,8-TCDD-13C was recovered below QC limits in Oufall 005, and cleanup standard 2,3,7,8-37Cl4 was recovered below QC limits in both samples Outfall 004 and Outfall 005. The samples were re-extracted and reanalyzed; however, according to laboratory personnel, the re-extracted analyses were affected by cross-contamination and were not reported by the laboratory. The nondetect results for 2,3,7,8-TCDF and total TCDF were rejected, "R," in sample Outfall 005. Nondetect results for 2,3,7,8-TCDD and total TCDD were qualified as estimated, "UJ," in Outfall 004 and nondetects for 2,3,7,8-TCDD and total TCDD were qualified as estimated, "UJ," in sample Outfall 005. As the cleanup standard was recovered below QC limits in samples Outfall 004 and Outfall 005, the results for all target compounds were qualified as estimated, "J," for detects and "UJ," for nondetects in both samples, unless otherwise rejected. The remaining labeled standard recoveries were within the acceptance criteria listed in Table 7 of Method 1613. No further qualifications were required.

2.9 COMPOUND IDENTIFICATION

The laboratory analyzed for polychlorinated dioxins/furans by EPA Method 1613. The compound identifications were verified from the raw data and no false negatives or positives were noted. No qualifications were required.

2.10 COMPOUND QUANTIFICATION AND REPORTED DETECTION LIMITS

Compound quantitation was verified from the raw data. The laboratory calculated and reported compound-specific detection limits. Any detects below the lower method calibration limit (MCL) were qualified as estimated, "J." No further qualifications were required.

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	IOA1804-01 Outfall 004		
Lab Sample ID	106983001		
Filename	F50209B_12		
Injected By	MRO		
Total Amount Extracted	1040 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	01/28/2005
ICAL Date	11/29/2004	Received	02/01/2005
CCal Filename(s)	F50209A_13	Extracted	02/04/2005
Method Blank ID	BLANK-6264	Analyzed	02/10/2005 04:26

Per Qual	Qual Code	Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery	
U S	U	2,3,7,8-TCDF	ND	-----	4.20		2,3,7,8-TCDF-13C	2.00	22	P
		Total TCDF	ND	-----	4.20		2,3,7,8-TCDD-13C	2.00	33	
							1,2,3,7,8-PeCDF-13C	2.00	50	
		2,3,7,8-TCDD	ND	-----	4.00		2,3,4,7,8-PeCDF-13C	2.00	55	
		Total TCDD	ND	-----	4.00		1,2,3,7,8-PeCDD-13C	2.00	67	
							1,2,3,4,7,8-HxCDF-13C	2.00	63	
		1,2,3,7,8-PeCDF	ND	-----	2.20		1,2,3,6,7,8-HxCDF-13C	2.00	71	
		2,3,4,7,8-PeCDF	ND	-----	1.80		2,3,4,6,7,8-HxCDF-13C	2.00	77	
		Total PeCDF	ND	-----	2.00		1,2,3,7,8,9-HxCDF-13C	2.00	72	
							1,2,3,4,7,8-HxCDD-13C	2.00	70	
		1,2,3,7,8-PeCDD	ND	-----	1.80		1,2,3,6,7,8-HxCDD-13C	2.00	77	
		Total PeCDD	ND	-----	1.80		1,2,3,4,6,7,8-HpCDF-13C	2.00	72	
							1,2,3,4,7,8,9-HpCDF-13C	2.00	69	
		1,2,3,4,7,8-HxCDF	ND	-----	1.70		1,2,3,4,6,7,8-HpCDD-13C	2.00	87	
		1,2,3,6,7,8-HxCDF	ND	-----	1.60		OCDD-13C	4.00	88	
		2,3,4,6,7,8-HxCDF	ND	-----	1.10					
		1,2,3,7,8,9-HxCDF	ND	-----	0.86		1,2,3,4-TCDD-13C	2.00	NA	
		Total HxCDF	ND	-----	1.30		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
		1,2,3,4,7,8-HxCDD	ND	-----	1.70		2,3,7,8-TCDD-37Cl4	0.20	31	P
		1,2,3,6,7,8-HxCDD	ND	-----	1.80					
		1,2,3,7,8,9-HxCDD	ND	-----	1.40					
		Total HxCDD	ND	-----	1.70					
		1,2,3,4,6,7,8-HpCDF	ND	-----	1.20					
		1,2,3,4,7,8,9-HpCDF	ND	-----	1.80					
J	DNR, E	Total HpCDF	4.2	-----	1.50	BJ				
J	DNR, I	1,2,3,4,6,7,8-HpCDD	4.6	-----	1.80	J				
J	DNR I	Total HpCDD	4.6	-----	1.80	J				
U S	B, L	OCDF	6.2	-----	1.20	BJ				
J	I, DNR	OCDD	43.0	-----	2.00	J				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....106983

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

AMEC VALIDATED

LEVEL IV

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	IOA1674-01 Outfall 005		
Lab Sample ID	106914001		
Filename	F50209B_10		
Injected By	MRO		
Total Amount Extracted	1030 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	01/27/2005
ICAL Date	11/29/2004	Received	01/29/2005
CCal Filename(s)	F50209A_13	Extracted	02/04/2005
Method Blank ID	BLANK-6264	Analyzed	02/10/2005 02:46

Rep Qual	Qual Code	Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L	Internal Standards	ng's Added	Percent Recovery
U	I	2,3,7,8-TCDF	ND	-----	12.0	2,3,7,8-TCDF-13C	2.00	8 P
U	I	Total TCDF	ND	-----	12.0	2,3,7,8-TCDD-13C	2.00	13 P
						1,2,3,7,8-PeCDF-13C	2.00	29
U	I	2,3,7,8-TCDD	ND	-----	10.0	2,3,4,7,8-PeCDF-13C	2.00	38
		Total TCDD	ND	-----	10.0	1,2,3,7,8-PeCDD-13C	2.00	48
						1,2,3,4,7,8-HxCDF-13C	2.00	54
		1,2,3,7,8-PeCDF	ND	-----	3.4	1,2,3,6,7,8-HxCDF-13C	2.00	58
		2,3,4,7,8-PeCDF	ND	-----	1.9	2,3,4,6,7,8-HxCDF-13C	2.00	66
		Total PeCDF	ND	-----	2.6	1,2,3,7,8,9-HxCDF-13C	2.00	61
						1,2,3,4,7,8-HxCDD-13C	2.00	59
		1,2,3,7,8-PeCDD	ND	-----	2.7	1,2,3,6,7,8-HxCDD-13C	2.00	64
		Total PeCDD	ND	-----	2.7	1,2,3,4,6,7,8-HpCDF-13C	2.00	63
						1,2,3,4,7,8,9-HpCDF-13C	2.00	60
		1,2,3,4,7,8-HxCDF	ND	-----	1.5	1,2,3,4,6,7,8-HpCDD-13C	2.00	76
		1,2,3,6,7,8-HxCDF	ND	-----	1.4	OCDD-13C	4.00	81
		2,3,4,6,7,8-HxCDF	ND	-----	1.2			
		1,2,3,7,8,9-HxCDF	ND	-----	1.0	1,2,3,4-TCDD-13C	2.00	NA
		Total HxCDF	ND	-----	1.3	1,2,3,7,8,9-HxCDD-13C	2.00	NA
		1,2,3,4,7,8-HxCDD	ND	-----	1.7	2,3,7,8-TCDD-37Cl4	0.20	15 P
		1,2,3,6,7,8-HxCDD	ND	-----	1.6			
		1,2,3,7,8,9-HxCDD	ND	-----	1.4			
		Total HxCDD	ND	-----	1.6			
		1,2,3,4,6,7,8-HpCDF	ND	-----	1.0			
		1,2,3,4,7,8,9-HpCDF	ND	-----	1.7			
		Total HpCDF	ND	-----	1.4			
J	DNR, E	1,2,3,4,6,7,8-HpCDD	2.8	-----	1.5 J			
J	DNR, E	Total HpCDD	7.1	-----	1.5 J			
U J	B, I	OCDF	4.4	-----	1.2 BJ			
J	DNR, I	OCDD	29.0	-----	1.7 J			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....106914

REPORT OF LABORATORY ANALYSIS

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AMEC VALIDATED LEVEL IV

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	IOA1803-01 Outfall 006		
Lab Sample ID	106982001		
Filename	F50209B_11		
Injected By	MRO		
Total Amount Extracted	1020 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	01/28/2005
ICAL Date	11/29/2004	Received	02/01/2005
CCal Filename(s)	F50209A_13	Extracted	02/04/2005
Method Blank ID	BLANK-6264	Analyzed	02/10/2005 03:36

Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	4.7	2,3,7,8-TCDF-13C	2.00	27
Total TCDF	ND	-----	4.7	2,3,7,8-TCDD-13C	2.00	37
				1,2,3,7,8-PeCDF-13C	2.00	50
2,3,7,8-TCDD	ND	-----	4.5	2,3,4,7,8-PeCDF-13C	2.00	56
Total TCDD	ND	-----	4.5	1,2,3,7,8-PeCDD-13C	2.00	69
				1,2,3,4,7,8-HxCDF-13C	2.00	68
1,2,3,7,8-PeCDF	ND	-----	3.8	1,2,3,6,7,8-HxCDF-13C	2.00	79
2,3,4,7,8-PeCDF	ND	-----	1.4	2,3,4,6,7,8-HxCDF-13C	2.00	83
Total PeCDF	ND	-----	2.6	1,2,3,7,8,9-HxCDF-13C	2.00	76
				1,2,3,4,7,8-HxCDD-13C	2.00	69
1,2,3,7,8-PeCDD	ND	-----	2.8	1,2,3,6,7,8-HxCDD-13C	2.00	81
Total PeCDD	ND	-----	2.8	1,2,3,4,6,7,8-HpCDF-13C	2.00	76
				1,2,3,4,7,8,9-HpCDF-13C	2.00	70
1,2,3,4,7,8-HxCDF	ND	-----	2.4	1,2,3,4,6,7,8-HpCDD-13C	2.00	89
1,2,3,6,7,8-HxCDF	ND	-----	1.6	OCDD-13C	4.00	92
2,3,4,6,7,8-HxCDF	ND	-----	1.2			
1,2,3,7,8,9-HxCDF	ND	-----	2.2	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	1.9	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	1.7	2,3,7,8-TCDD-37Cl4	0.20	35
1,2,3,6,7,8-HxCDD	ND	-----	1.7			
1,2,3,7,8,9-HxCDD	ND	-----	1.4			
Total HxCDD	ND	-----	1.6			
1,2,3,4,6,7,8-HpCDF	2.8	-----	1.6 BJ			
1,2,3,4,7,8,9-HpCDF	ND	-----	1.9			
Total HpCDF	8.7	-----	1.8 BJ			
1,2,3,4,6,7,8-HpCDD	5.0	-----	1.9 J			
Total HpCDD	13.0	-----	1.9 J			
OCDF	8.0	-----	1.7 BJ			
OCDD	55.0	-----	3.8 J			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....106982

REPORT OF LABORATORY ANALYSIS

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MEC VALIDATED

CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Package ID: T711DF30
Task Order: 313150010
SDG No.: Multi
No. of Analyses: 13

Laboratory: Alta Analytical Perspective
Reviewer: H. Chang
Analysis/Method: Dioxin&Furans/1613

Date: March 18, 2005
Reviewer's Signature: H. Chang

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Detects below the calibration range were qualified "J."
Holding Times	False negative and false positives noted.
GC/MS Tune/Inst. Perform	Several transcription errors were noted.
Calibrations	
Blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification and Quantitation	
System Performance	
COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

Data Qualifier Reference Table

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quanti–tation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified; the associated numerical value is the approx-imate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evi-dence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value repre-sents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the re-ported sample quantitation limit. However, the reported quantitation limit is approx-imate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or may not be present).

Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D were noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) or calibration blank.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination from trip blank.	Not applicable.
+	False positive – reported compound was not present. Not applicable.	
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination from FB, or ER.	Presumed contamination from FB or ER.
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
DNQ	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.

*#	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).

DATA VALIDATION REPORT

NPDES
Monitoring

ANALYSIS: DIOXINS/FURANS

SAMPLE DELIVERY GROUPS: Multiple SDGs

Prepared by

AMEC—Denver Operations
550 South Wadsworth Boulevard, Suite 500
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010
Sample Delivery Group #:	Multiple SDGs
Project Manager:	B. McIlvaine
Matrix:	Water
Analysis:	Dioxins/Furans
QC Level:	Level IV
No. of Samples:	13
No. of Reanalyses/Dilutions:	0
Reviewer:	H. Chang
Date of Review:	March 18, 2005

The samples listed in Table 1 were validated based on the guidelines outlined in the *AMEC Data Validation Procedure for Dioxins and Furans (DVP-19, Rev. 1), EPA Method 1613, and the National National Functional Guidelines For Chlorinated Dioxin/Furan Data Review* (8/02). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Client ID	Laboratory ID (Del Mar)	Laboratory ID (Alta AP)	Matrix	COC Method
Outfall 001	IOB0980-01	P5072_2989_007	water	1613B
Outfall 002	IOB0981-01	P5072_2989_013	water	1613B
Outfall 003	IOB0988-01	P5072_2989_012	water	1613B
Outfall 004	IOB1002-01	P5072_2989_009	water	1613B
Outfall 005	IOB0990-01	P5072_2989_006	water	1613B
Outfall 006	IOB0992-01	P5072_2989_010	water	1613B
Outfall 007	IOB0993-01	P5072_2989_002	water	1613B
Outfall 008	IOB0997-01	P5072_2989_004	water	1613B
Outfall 009	IOB0996-01	P5072_2989_003	water	1613B
Outfall 010	IOB1001-01	P5072_2989_001	water	1613B
Outfall 011 Composite	IOB1004-01	P5072_2989_011	water	1613B
Outfall 011	IOB1014-01	P5072_2989_005	water	1613B
Outfall 018	IOB1008-01	P5072_2989_008	water	1613B

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

All of the samples in these SDGs were received at Del Mar Analytical within the temperature limits of 4°C ± 2°C except sample Outfall 009 which was at 8°C. Due to non-volatile nature of the analytes, no qualifications were necessary for the elevated cooler temperature. The samples were received at Pace Analytical with cooler temperatures of 1.6°C, 2.3°C, and 3°C. The samples were received at Alta Analytical Perspectives with cooler temperatures of 1°C and 3°C. According to the laboratory login sheets, all samples were received intact and in good condition at Del Mar and Alta AP. No sample conditions were available for review for the sample receipt at Pace. No qualifications were required.

2.1.2 Chain of Custody

It appears that the samples were initially sent from Del Mar Analytical to Pace Analytical then subsequently shipped to Alta Analytical Perspectives. The COCs from the field to Del Mar, Del Mar to Pace, and Pace to Alta were available for review. The COCs were legible and signed by the appropriate field and laboratory personnel, and accounted for the analyses presented in these SDGs. The custody seals were not present on the coolers upon receipt at either Del Mar or Alta. No custody seal information was available for Pace. No qualifications were required.

2.1.3 Holding Times

The samples were extracted and analyzed within a year of collection. No qualifications were required.

2.2 INSTRUMENT PERFORMANCE

Following are findings associated with instrument performance:

2.2.1 GC Column Performance

A Column Performance Check Standard (CPSM) containing the first and last eluting congeners of each descriptor and isomer specificity compounds was analyzed prior to initial calibration analysis. A separate CPSM was not analyzed for daily analytical sequence; instead, CPSM compounds were added to OPR analysis. The GC column performance in the calibrations was acceptable, with the height of the valley between the closely eluting isomers and 2,3,7,8-TCDD reported as less than 25%. No qualifications were required.

2.2.2 Mass Spectrometer Performance

The mass spectrometer performance was acceptable with the static resolving power greater than 10,000. No qualifications were required.

2.3 CALIBRATION

2.3.1 Initial Calibration

There was one initial calibrations, analyzed 08/12/04. The calibrations each consisted of six concentration level standards (CS0 through CS5) analyzed to verify instrument linearity. The initial calibration was acceptable with %RSDs ≤20% for the native compounds and ≤35% for the labeled compounds. The relative retention times and ion abundance ratios were within the QC limits listed in Method 1613 for all standards. A representative number of %RSDs were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

2.3.2 Continuing Calibration

Calibration verification (VER) consisted of a mid-level standard (CS3) analyzed at the beginning of each analytical sequence. The VERs were acceptable with the concentrations within the acceptance criteria listed in Table 6 of EPA Method 1613. The ion abundance ratios and relative retention times were within the method QC limits. A representative number of %Ds were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

2.4 BLANKS

One method blank (0_2989_MB001) was extracted and analyzed with the samples in these SDGs. There were no detects reported in the method blank. A review of the method blank raw data and chromatograms indicated no false negatives. No qualifications were required.

2.5 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

One Ongoing Precision Recovery (OPR) sample (0_2989_OPR001) was extracted and analyzed with the samples in these SDGs. All recoveries were within the acceptance criteria listed in Table 6 of the Method 1613. No qualifications were required.

2.6 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MS/MSD analyses were not performed in these SDGs. Evaluation of method accuracy was based on the OPR results. No qualifications were required.

2.7 FIELD QC SAMPLES

Following are findings associated with field QC:

2.7.1 Field Blanks and Equipment Rinsates

The samples in these SDGs had no associated field QC samples. No qualifications were required.

2.7.2 Field Duplicates

No field duplicate samples were identified for these SDGs.

2.8 INTERNAL STANDARDS

The labeled standard recoveries were within the acceptance criteria listed in Table 7 of Method 1613. No qualifications were required.

2.9 COMPOUND IDENTIFICATION

The laboratory analyzed for polychlorinated dioxins/furans by EPA Method 1613. The compound identifications were verified from the raw data. The laboratory reported total PeCDFs detects in samples Outfall 005, Outfall 006, Oufall 007, and Outfall 011. The reviewer deemed the signals used to be below the signal-to-noise ratio of 2.5 and the results were changed to nondetects. A false negative for total HxCDD was noted in sample Outfall 001 and was changed to a detect. No further qualifications were required.

2.10 COMPOUND QUANTIFICATION AND REPORTED DETECTION LIMITS

Compound quantitation was verified from the raw data. The laboratory calculated and reported compound-specific detection limits. Any detects below the lower method calibration level (MCL) were qualified as estimated, "J." The laboratory did not flag OCDD in samples Outfall 002 and Outfall 003 although the reported concentrations were below the lower MCL. OCDD in these samples was qualified as estimated, "J." In addition, Alta analyzed an additional calibration standard at concentrations below the level specified in the method. Not all results below the lower MCLs were flagged as estimated by the laboratory. These results were qualified as estimated, "J," by the reviewer. The laboratory also did not flag detects below the lower MCL for totals as estimated. These totals were qualified as estimated, "J." The "DNQ" qualification code was applied only if all components of the totals were below the lower MCL. Total HpCDF in samples Outfall 001 and Outfall 010 had one of the components below the lower MCL but one within the MCL. Total HpCDF in these samples were qualified as estimated, "J."

The laboratory indicated that one of the non-2,3,7,8 substituted HxCDD detect, present in majority of the samples, was due to recovery standard (13C-1,2,3,4,6,7-HxCDD) contribution. This compound was also present in the method blank. This compound was not included in the total HxCDD concentration. Several total HxCDD results could not be reproduced from the raw data by the reviewer and were hand-corrected on the Form I. No further qualifications were required.

Sample ID: IOB0990-01 Outfall 005

Method 1613

Client Data		Sample Data		Laboratory Data			
Name:	Pace Inc.	Matrix:	Aqueous	Project No.:	P5072	Date Received:	01 Mar 05
Project ID:	General Analytical HRMS	Weight/Volume:	1.02 L	Sample ID:	P5072_2989_006	Date Extracted:	01 Mar 05
Date Collected:	11 Feb 05	pH	6	QC Batch No.:	2989	Date Analyzed:	03 Mar 05

Rev Qual	Qual Code	Analyte	Conc. pg/L	DL pg/L	EMPC pg/L	Qualifier	Recoveries ES	Recoveries CS	
U		2,3,7,8-TCDD	ND	2.29			68.7	73.8	
		1,2,3,7,8-PeCDD	ND	3.2			69.4	78.6	
		1,2,3,4,7,8-HxCDD	ND	4.19			74.5	83.5	
		1,2,3,6,7,8-HxCDD	ND	4.11			83.2	83.5	
		1,2,3,7,8,9-HxCDD	ND	4.95			78.1	83.5	
		1,2,3,4,6,7,8-HpCDD	ND	5.34			67.8	61.4	
		OCDD	56.1	19.6			53.6	61.4	
U		2,3,7,8-TCDF	ND	1.37			69.9	73.8	
		1,2,3,7,8-PeCDF	ND	3.71			76.6	76.4	
		2,3,4,7,8-PeCDF	ND	3.89			67.9	76.4	
		1,2,3,4,7,8-HxCDF	ND	1.39			76.1	83.5	
		1,2,3,6,7,8-HxCDF	ND	1.3			81.5	83.5	
		2,3,4,6,7,8-HxCDF	ND	1.73			71.4	83.5	
		1,2,3,7,8,9-HxCDF	ND	2.59			67.5	83.5	
		1,2,3,4,6,7,8-HpCDF	ND	3.26			55.4	61.4	
		1,2,3,4,7,8,9-HpCDF	ND	4.59			59.7	61.4	
		OCDF	ND	14.9			52.2	61.4	
		Totals & TEQs							
U		TCDDs	ND	2.29					
		PeCDDs	ND	3.2					
		HxCDDs	ND	4.43					
		HpCDDs	ND	5.34					
U		TCDFs	ND	1.37					
	+	PeCDFs	~~0.256~~ ND	3.8					
		HxCDFs	ND	1.69					
		HpCDFs	ND	3.9					
	#	**Total PCDD/Fs**	~~56.4~~ 56.1		~~56.4~~ 56.1				

ALTA ANALYTICAL PERSPECTIVES

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Checkcode: 5797

AMEC VALIDATED

AAP 2005 Rev. B

Reviewer .....

Date .....

Sample ID: IOB0992-01 Outfall 006

Method 1613

Client Data		Sample Data		Laboratory Data			
Name:	Pace Inc.	Matrix:	Aqueous	Project No.:	P5072	Date Received:	01 Mar 05
Project ID:	General Analytical HRMS	Weight/Volume:	1.02 L	Sample ID:	P5072_2989_010	Date Extracted:	01 Mar 05
Date Collected:	11 Feb 05	pH	6	QC Batch No.:	2989	Date Analyzed:	03 Mar 05

Rev Qual	Qual Code	Analyte	Conc. pg/L	DL pg/L	EMPC pg/L	Qualifier	Recoveries ES	Recoveries CS
U		2,3,7,8-TCDD	ND	2.87			67.7	78.6
		1,2,3,7,8-PeCDD	ND	3.14			66.7	83.9
		1,2,3,4,7,8-HxCDD	ND	5.91			70.2	85.8
		1,2,3,6,7,8-HxCDD	ND	5.98			72.5	85.8
		1,2,3,7,8,9-HxCDD	ND	7.12			69.9	85.8
		1,2,3,4,6,7,8-HpCDD	ND	10.8			60	70
		OCDD	70.2	11.6			45.8	70
U		2,3,7,8-TCDF	ND	2.58			67.5	78.6
		1,2,3,7,8-PeCDF	ND	4.02			73.9	81.3
		2,3,4,7,8-PeCDF	ND	3.97			68.3	81.3
		1,2,3,4,7,8-HxCDF	ND	1.55			70.8	85.8
		1,2,3,6,7,8-HxCDF	ND	1.42			79.5	85.8
		2,3,4,6,7,8-HxCDF	ND	1.91			69.9	85.8
		1,2,3,7,8,9-HxCDF	ND	2.81			64.2	85.8
		1,2,3,4,6,7,8-HpCDF	ND	4.35			57	70
		1,2,3,4,7,8,9-HpCDF	ND	7.3			55.4	70
		OCDF	ND	7.69			48.7	70
		Totals & TEQs						
U		TCDDs	ND	2.87				
		PeCDDs	ND	3.14				
		HxCDDs	ND	6.35				
		HpCDDs	ND	10.8				
U		TCDFs	ND	2.58				
	+	PeCDFs	~~0.456~~ ND	3.99				
		HxCDFs	ND	1.85				
		HpCDFs	ND	5.69				
	#	**Total PCDD/Fs**	~~70.7~~ 70.2		~~70.7~~ 70.2			

ALTA ANALYTICAL PERSPECTIVES

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AAP 2005 Rev. B

Checkcode: 3929

AMEC VALIDATED

Reviewer .....
Date .....

Sample ID: IOB0980-01 Outfall 001

Method 1613

Client Data		Sample Data		Laboratory Data			
Name:	Pace Inc.	Matrix:	Aqueous	Project No.:	P5072	Date Received:	01 Mar 05
Project ID:	General Analytical HRMS	Weight/Volume:	1.00 L	Sample ID:	P5072_2989_007	Date Extracted:	01 Mar 05
Date Collected:	11 Feb 05	pH	6	QC Batch No.:	2989	Date Analyzed:	03 Mar 05

Rev Qual	Qual Code	Analyte	Conc. pg/L	DL pg/L	EMPC pg/L	Qualifier	Recoveries ES	Recoveries CS
U		2,3,7,8-TCDD	ND	2.55			72.2	79.1
		1,2,3,7,8-PeCDD	ND	1.89			75.2	89.4
		1,2,3,4,7,8-HxCDD	ND	2.42			74.8	83.1
		1,2,3,6,7,8-HxCDD	ND	2.41			81.7	83.1
		1,2,3,7,8,9-HxCDD	ND	2.88			76.5	83.1
J		1,2,3,4,6,7,8-HpCDD	49.8	7.48			67	62.4
		OCDD	471	6.38			57.8	62.4
U		2,3,7,8-TCDF	ND	1.64			74.9	79.1
		1,2,3,7,8-PeCDF	ND	1.98			82.6	83.9
		2,3,4,7,8-PeCDF	ND	2.03			75.2	83.9
		1,2,3,4,7,8-HxCDF	ND	1.47			73.6	83.1
		1,2,3,6,7,8-HxCDF	ND	1.51			77.5	83.1
		2,3,4,6,7,8-HxCDF	ND	1.9			71.7	83.1
		1,2,3,7,8,9-HxCDF	ND	2.85			67.8	83.1
J	DNQ	1,2,3,4,6,7,8-HpCDF	10.8	1.71		J	56.2	62.4
U		1,2,3,4,7,8,9-HpCDF	ND	2.58			59.7	62.4
J	DNQ	OCDF	34.9	12		J	58.6	62.4
		Totals & TEQs						
U		TCDDs	ND	2.55				
U		PeCDDs	ND	1.89				
J	DNQ, J	HxCDDs	~~ND~~ 5.96	2.58	~~8.86~~ 9.31			
		HpCDDs	101	7.48				
U		TCDFs	ND	1.64	2.21			
U		PeCDFs	ND	2.01	0.368			
J	DNQ	HxCDFs	4.13	1.87	7.22			
J	~~DNQ~~	HpCDFs	36.5	2.12				
	$	**Total PCDD/Fs**	~~648~~ 653		**663**			

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Reviewer .....

Date .....

Sample ID: IOB0981-01 Outfall 002

Method 1613

Client Data		Sample Data		Laboratory Data			
Name:	Pace Inc.	Matrix:	Aqueous	Project No.:	P5072	Date Received:	01 Mar 05
Project ID:	General Analytical HRMS	Weight/Volume:	1.04 L	Sample ID:	P5072_2989_013	Date Extracted:	01 Mar 05
Date Collected:	11 Feb 05	pH	6	QC Batch No.:	2989	Date Analyzed:	03 Mar 05

Rev Qual	Qual Code	Analyte	Conc. pg/L	DL pg/L	EMPC pg/L	Qualifier	Recoveries ES	Recoveries CS	
U		2,3,7,8-TCDD	ND	3.01			65.9	74.3	
		1,2,3,7,8-PeCDD	ND	5.36			70.3	78.4	
		1,2,3,4,7,8-HxCDD	ND	4.94			64.3	75.8	
		1,2,3,6,7,8-HxCDD	ND	4.7			72.6	75.8	
		1,2,3,7,8,9-HxCDD	ND	5.81			64	75.8	
		1,2,3,4,6,7,8-HpCDD	ND	9.6			59	63.7	
J	DNQ	OCDD	50	10.3			45.4	63.7	
U		2,3,7,8-TCDF	ND	2.61			71.8	74.3	
		1,2,3,7,8-PeCDF	ND	2.46			76.4	78.7	
		2,3,4,7,8-PeCDF	ND	2.49			68.6	78.7	
		1,2,3,4,7,8-HxCDF	ND	1.13			66.8	75.8	
		1,2,3,6,7,8-HxCDF	ND	1.19			69.7	75.8	
		2,3,4,6,7,8-HxCDF	ND	1.46			66.3	75.8	
		1,2,3,7,8,9-HxCDF	ND	2.05			60.9	75.8	
		1,2,3,4,6,7,8-HpCDF	ND	3.28			54.8	63.7	
		1,2,3,4,7,8,9-HpCDF	ND	4.88			56	63.7	
		OCDF	ND	8.89			47.2	63.7	
		Totals & TEQs							
U		TCDDs	ND	3.01					
		PeCDDs	ND	5.36					
		HxCDDs	ND	5.15					
		HpCDDs	ND	9.6					
U		TCDFs	ND	2.61					
		PeCDFs	ND	2.47					
		HxCDFs	ND	1.42					
		HpCDFs	ND	4.02					
		Total PCDD/Fs	**50**		**50**				

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Reviewer .....
Date .....

Sample ID: IOB0988-01 Outfall 003

Method 1613

Client Data		Sample Data		Laboratory Data			
Name:	Pace Inc.	Matrix:	Aqueous	Project No.:	P5072	Date Received:	01 Mar 05
Project ID:	General Analytical HRMS	Weight/Volume:	1.04 L	Sample ID:	P5072_2989_012	Date Extracted:	01 Mar 05
Date Collected:	10 Feb 05	pH	6	QC Batch No.:	2989	Date Analyzed:	03 Mar 05

Rev Qual	Qual Code	Analyte	Conc. pg/L	DL pg/L	EMPC pg/L	Qualifier	Recoveries ES	Recoveries CS	
U		2,3,7,8-TCDD	ND	3.24			68	84.7	
		1,2,3,7,8-PeCDD	ND	2.18			72.8	85.5	
		1,2,3,4,7,8-HxCDD	ND	4.91			68.3	88.4	
		1,2,3,6,7,8-HxCDD	ND	4.84			73	88.4	
		1,2,3,7,8,9-HxCDD	ND	5.54			67.5	88.4	
		1,2,3,4,6,7,8-HpCDD	ND	3.19			55.7	76	
J	DNQ	OCDD	50.3	10.1			37.9	76	
U		2,3,7,8-TCDF	ND	2.39			70.5	84.7	
		1,2,3,7,8-PeCDF	ND	2.98			77.2	84.1	
		2,3,4,7,8-PeCDF	ND	3			68.6	84.1	
		1,2,3,4,7,8-HxCDF	ND	1.62			66.5	88.4	
		1,2,3,6,7,8-HxCDF	ND	1.53			68.5	88.4	
		2,3,4,6,7,8-HxCDF	ND	2.03			64	88.4	
		1,2,3,7,8,9-HxCDF	ND	2.74			61.4	88.4	
		1,2,3,4,6,7,8-HpCDF	ND	2.05			50.8	76	
		1,2,3,4,7,8,9-HpCDF	ND	3.04			50.2	76	
		OCDF	ND	13.1			40.7	76	
		Totals & TEQs							
U		TCDDs	ND	3.24					
		PeCDDs	ND	2.18					
		HxCDDs	ND	5.11					
J	DNQ	HpCDDs	12.2	3.19					
U		TCDFs	ND	2.39					
		PeCDFs	ND	2.99					
		HxCDFs	ND	1.93					
		HpCDFs	ND	2.5					
		Total PCDD/Fs	**62.6**		**62.6**				

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Date .....

Sample ID: IOB1002-01 Outfall 004

Method 1613

Client Data		Sample Data		Laboratory Data			
Name:	Pace Inc.	Matrix:	Aqueous	Project No.:	P5072	Date Received:	01 Mar 05
Project ID:	General Analytical HRMS	Weight/Volume:	1.05 L	Sample ID:	P5072_2989_009	Date Extracted:	01 Mar 05
Date Collected:	10 Feb 05	pH	6	QC Batch No.:	2989	Date Analyzed:	03 Mar 05

Rev Qual	Qual Code	Analyte	Conc. pg/L	DL pg/L	EMPC pg/L	Qualifier	Recoveries ES	Recoveries CS
U		2,3,7,8-TCDD	ND	1.44			72.2	78.2
		1,2,3,7,8-PeCDD	ND	2.04			73.5	84.9
		1,2,3,4,7,8-HxCDD	ND	2.74			72.7	79.7
		1,2,3,6,7,8-HxCDD	ND	2.88			78.4	79.7
		1,2,3,7,8,9-HxCDD	ND	3.13			73	79.7
J	DNQ	1,2,3,4,6,7,8-HpCDD	12.1	5.97		J	62.5	63
		OCDD	163	11.8			49.7	63
U		2,3,7,8-TCDF	ND	1.03			74.2	78.2
		1,2,3,7,8-PeCDF	ND	2.11			75.9	77.7
		2,3,4,7,8-PeCDF	ND	1.95			74.1	77.7
		1,2,3,4,7,8-HxCDF	ND	0.815			72.1	79.7
		1,2,3,6,7,8-HxCDF	ND	0.78			77.1	79.7
		2,3,4,6,7,8-HxCDF	ND	0.99			70.3	79.7
		1,2,3,7,8,9-HxCDF	ND	1.51			64.5	79.7
		1,2,3,4,6,7,8-HpCDF	ND	1.69			54.2	63
		1,2,3,4,7,8,9-HpCDF	ND	2.59			52.9	63
		OCDF	ND	10.1			49.7	63
		Totals & TEQs						
U		TCDDs	ND	1.44				
		PeCDDs	ND	2.04				
		HxCDDs	ND	2.92				
J	DNQ	HpCDDs	12.1	5.97	23.4			
U		TCDFs	ND	1.03				
		PeCDFs	ND	2.03				
		HxCDFs	ND	0.989				
J	DNQ	HpCDFs	5.96	2.1				
		Total PCDD/Fs	**182**		**193**			

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Reviewer .....
Date .....

Sample ID: IOB1004-01 Outfall 011 Composite — Method 1613

Client Data		Sample Data		Laboratory Data			
Name:	Pace Inc.	Matrix:	Aqueous	Project No.:	P5072	Date Received:	01 Mar 05
Project ID:	General Analytical HRMS	Weight/Volume:	0.99 L	Sample ID:	P5072_2989_011	Date Extracted:	01 Mar 05
Date Collected:	11 Feb 05	pH	6	QC Batch No.:	2989	Date Analyzed:	03 Mar 05

Rev Qual	Qual Code	Analyte	Conc. pg/L	DL pg/L	EMPC pg/L	Qualifier	Recoveries ES	Recoveries CS
U		2,3,7,8-TCDD	ND	1.79			72.2	84
		1,2,3.7,8-PeCDD	ND	2.92			72.5	87
		1,2,3,4,7,8-HxCDD	ND	12.2			68.3	83.2
		1,2,3,6,7,8-HxCDD	ND	12			77.6	83.2
		1,2,3,7,8,9-HxCDD	ND	13.8			71.1	83.2
J	DNQ	1,2,3,4,6,7,8-HpCDD	20.8	9.88		J	61.1	72.2
		OCDD	213	31.3			43.9	72.2
U		2,3,7,8-TCDF	ND	2.71			69.7	84
		1,2,3,7,8-PeCDF	ND	2.52			73.4	78.3
		2,3,4,7,8-PeCDF	ND	2.53			70.3	78.3
		1,2,3,4,7,8-HxCDF	ND	6.66			71.2	83.2
		1,2,3,6,7,8-HxCDF	ND	6.24			78	83.2
		2,3,4,6,7,8-HxCDF	ND	8.23			69.5	83.2
		1,2,3,7,8,9-HxCDF	ND	12.4			64.6	83.2
		1,2,3,4,6,7,8-HpCDF	ND	3.42			57.2	72.2
		1,2,3,4,7,8,9-HpCDF	ND	5.49			55.1	72.2
		OCDF	ND	20.8			46.5	72.2
		Totals & TEQs						
U		TCDDs	ND	1.79				
		PeCDDs	ND	2.92				
		HxCDDs	ND	12.7				
J	DNQ	HpCDDs	43.1	9.88				
U		TCDFs	ND	2.71				
		PeCDFs	ND	2.52				
		HxCDFs	ND	8.1				
		HpCDFs	ND	4.35				
		Total PCDD/Fs	**256**		**256**			

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Reviewer .....
Date .....

Sample ID: IOB1008-01 Outfall 018

Method 1613

Client Data		Sample Data		Laboratory Data			
Name:	Pace Inc.	Matrix:	Aqueous	Project No.:	P5072	Date Received:	01 Mar 05
Project ID:	General Analytical HRMS	Weight/Volume:	1.03 L	Sample ID:	P5072_2989_008	Date Extracted:	01 Mar 05
Date Collected:	11 Feb 05	pH	6	QC Batch No.:	2989	Date Analyzed:	03 Mar 05

Rev Qual	Qual Code	Analyte	Conc. pg/L	DL pg/L	EMPC pg/L	Qualifier	Recoveries ES	Recoveries CS
U		2,3,7,8-TCDD	ND	1.61			72	81.4
U		1,2,3,7,8-PeCDD	ND	1.62			71.7	83.2
J	DNQ	1,2,3,4,7,8-HxCDD	3.57	3.44		J	80.8	84.2
		1,2,3,6,7,8-HxCDD	8.47	3.3		J	85.5	84.2
		1,2,3,7,8,9-HxCDD	5.27	4.06		J	81.4	84.2
		1,2,3,4,6,7,8-HpCDD	207	13.7			68.6	69
		OCDD	2,120	5.72			61.7	69
U		2,3,7,8-TCDF	ND	1.49			74.2	81.4
		1,2,3,7,8-PeCDF	ND	2.35			78.4	80.4
		2,3,4,7,8-PeCDF	ND	2.31			72.3	80.4
		1,2,3,4,7,8-HxCDF	ND	0.97			74.1	84.2
		1,2,3,6,7,8-HxCDF	ND	0.898			85.5	84.2
		2,3,4,6,7,8-HxCDF	ND	1.1			75.4	84.2
		1,2,3,7,8,9-HxCDF	ND	1.7			70.7	84.2
		1,2,3,4,6,7,8-HpCDF	27.2	2.79			63.2	69
U		1,2,3,4,7,8,9-HpCDF	ND	4.43			60.4	69
		OCDF	67.1	12.5			60.2	69
		Totals & TEQs						
J	DNQ	TCDDs	4.77	1.61				
J	DNQ	PeCDDs	15.5	1.62				
J	DNQ, $	HxCDDs	~~39.8~~ 44.1	3.61	65.1			
		HpCDDs	415	13.7				
J	DNQ	TCDFs	6.53	1.49				
J	DNQ	PeCDFs	2.57	2.33				
J	DNQ	HxCDFs	32.8	1.13				
		HpCDFs	98.7	3.53				
	$	**Total PCDD/Fs**	~~2,800~~ 2810		**2,830**			

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Date .....

Sample ID: IOB1014-01 Outfall 011

Method 1613

Client Data		Sample Data		Laboratory Data			
Name:	Pace Inc.	Matrix:	Aqueous	Project No.:	P5072	Date Received:	01 Mar 05
Project ID:	General Analytical HRMS	Weight/Volume:	1.02 L	Sample ID:	P5072_2989_005	Date Extracted:	01 Mar 05
Date Collected:	11 Feb 05	pH	6	QC Batch No.:	2989	Date Analyzed:	03 Mar 05

Rev Qual	Qual Code	Analyte	Conc. pg/L	DL pg/L	EMPC pg/L	Qualifier	Recoveries ES	Recoveries CS
U		2,3,7,8-TCDD	ND	1.71			72.2	83.4
		1,2,3,7,8-PeCDD	ND	1.73			71.9	88.3
		1,2,3,4,7,8-HxCDD	ND	3.89			72.2	87.2
		1,2,3,6,7,8-HxCDD	ND	3.8			81.1	87.2
		1,2,3,7,8,9-HxCDD	ND	4.66			73.6	87.2
J	DNQ	1,2,3,4,6,7,8-HpCDD	12.2	10.1		J	59	71
		OCDD	157	9.39			44.9	71
U		2,3,7,8-TCDF	ND	2.08			74.1	83.4
		1,2,3,7,8-PeCDF	ND	1.84			76.1	85.5
		2,3,4,7,8-PeCDF	ND	1.89			69.3	85.5
		1,2,3,4,7,8-HxCDF	ND	1.36			63.6	87.2
		1,2,3,6,7,8-HxCDF	ND	1.31			70.6	87.2
		2,3,4,6,7,8-HxCDF	ND	1.65			67.1	87.2
		1,2,3,7,8,9-HxCDF	ND	2.41			62.6	87.2
J	DNQ	1,2,3,4,6,7,8-HpCDF	4.04	1.47		J	52.8	71
U		1,2,3,4,7,8,9-HpCDF	ND	2.53			49.4	71
U		OCDF	ND	9.53			43.5	71
		Totals & TEQs						
U		TCDDs	ND	1.71				
		PeCDDs	ND	1.73				
		HxCDDs	ND	4.12				
J	DNQ	HpCDDs	29.6	10.1				
U		TCDFs	ND	2.08				
	+	PeCDFs	~~0.76~~ ND	1.86				
		HxCDFs	ND	1.64				
J	DNQ	HpCDFs	10.2	1.94				
		Total PCDD/Fs	**197**		**197**			

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Reviewer .....

Date .....

Sample ID: IOB0993-01 Outfall 007

Method 1613

Client Data		Sample Data		Laboratory Data			
Name:	Pace Inc.	Matrix:	Aqueous	Project No.:	P5072	Date Received:	01 Mar 05
Project ID:	General Analytical HRMS	Weight/Volume:	1.03 L	Sample ID:	P5072_2989_002	Date Extracted:	01 Mar 05
Date Collected:	11 Feb 05	pH	6	QC Batch No.:	2989	Date Analyzed:	03 Mar 05

Rev Qual	Qual Code	Analyte	Conc. pg/L	DL pg/L	EMPC pg/L	Qualifier	Recoveries ES	Recoveries CS
U		2,3,7,8-TCDD	ND	2.06			76.2	84.9
		1,2,3,7,8-PeCDD	ND	1.79			72.7	89.3
		1,2,3,4,7,8-HxCDD	ND	2.55			74.4	84.1
		1,2,3,6,7,8-HxCDD	ND	2.57			79.8	84.1
		1,2,3,7,8,9-HxCDD	ND	3.13			77.6	84.1
		1,2,3,4,6,7,8-HpCDD	31.5	3.87			65.6	68
		OCDD	267	9.8			53.6	68
U		2,3,7,8-TCDF	ND	1.64			77	84.9
		1,2,3,7,8-PeCDF	ND	2.75			83.3	87.1
		2,3,4,7,8-PeCDF	ND	2.8			74.2	87.1
		1,2,3,4,7,8-HxCDF	ND	0.9			69.6	84.1
		1,2,3,6,7,8-HxCDF	ND	0.827			78.1	84.1
		2,3,4,6,7,8-HxCDF	ND	1.04			69	84.1
		1,2,3,7,8,9-HxCDF	ND	1.58			65.6	84.1
		1,2,3,4,6,7,8-HpCDF	ND	1.89			54	68
		1,2,3,4,7,8,9-HpCDF	ND	2.95			54.7	68
		OCDF	ND	11			51.7	68
		Totals & TEQs						
U		TCDDs	ND	2.06				
U		PeCDDs	ND	1.79				
J	DNQ,$	HxCDDs	~~4.44~~ 3.59	2.76	~~8.57~~ 7.72			
J	DNQ	HpCDDs	65.1	3.87				
U		TCDFs	ND	1.64				
	+	PeCDFs	~~0.858~~ ND	2.77				
		HxCDFs	ND	1.05				
		HpCDFs	ND	2.38				
	$	**Total PCDD/Fs**	~~338~~ 336		~~342~~ 341			

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Sample ID: IOB0996-01 Outfall 009

Method 1613

Client Data		Sample Data		Laboratory Data			
Name:	Pace Inc.	Matrix:	Aqueous	Project No.:	P5072	Date Received:	01 Mar 05
Project ID:	General Analytical HRMS	Weight/Volume:	1.04 L	Sample ID:	P5072_2989_003	Date Extracted:	01 Mar 05
Date Collected:	11 Feb 05	pH	6	QC Batch No.:	2989	Date Analyzed:	03 Mar 05

Rev Qual	Qual Code	Analyte	Conc. pg/L	DL pg/L	EMPC pg/L	Qualifier	Recoveries ES	Recoveries CS
U		2,3,7,8-TCDD	ND	2.02			64.7	78.7
		1,2,3,7,8-PeCDD	ND	2.09			66	84.4
		1,2,3,4,7,8-HxCDD	ND	2.71			68.1	84.8
		1,2,3,6,7,8-HxCDD	ND	2.7			75.8	84.8
		1,2,3,7,8,9-HxCDD	ND	3.33			68.5	84.8
J	DNQ	1,2,3,4,6,7,8-HpCDD	10	6.63		J	54.6	67.6
		OCDD	134	11.1			42.2	67.6
U		2,3,7,8-TCDF	ND	1.85			67	78.7
		1,2,3,7,8-PeCDF	ND	1.44			75.4	85.4
		2,3,4,7,8-PeCDF	ND	1.48			67.3	85.4
		1,2,3,4,7,8-HxCDF	ND	0.785			62.8	84.8
		1,2,3,6,7,8-HxCDF	ND	0.706			71.7	84.8
		2,3,4,6,7,8-HxCDF	ND	0.933			63.9	84.8
		1,2,3,7,8,9-HxCDF	ND	1.47			58.3	84.8
		1,2,3,4,6,7,8-HpCDF	ND	4.57			47.6	67.6
		1,2,3,4,7,8,9-HpCDF	ND	7.47			43.9	67.6
		OCDF	ND	22.4			41.6	67.6
		Totals & TEQs						
U		TCDDs	ND	2.02				
		PeCDDs	ND	2.09				
		HxCDDs	ND	2.92				
J	DNQ	HpCDDs	25.2	6.63				
U		TCDFs	ND	1.85				
		PeCDFs	ND	1.46	0.213			
		HxCDFs	ND	0.935				
		HpCDFs	ND	5.85				
		Total PCDD/Fs	**159**		**160**			

ALTA ANALYTICAL PERSPECTIVES

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Checkcode: 4965

AMEC VALIDATED

Reviewer .....

Date .....

Sample ID: IOB0997-01 Outfall 008

Method 1613

Client Data		Sample Data		Laboratory Data			
Name:	Pace Inc.	Matrix:	Aqueous	Project No.:	P5072	Date Received:	01 Mar 05
Project ID:	General Analytical HRMS	Weight/Volume:	1.05 L	Sample ID:	P5072_2989_004	Date Extracted:	01 Mar 05
Date Collected:	11 Feb 05	pH	6	QC Batch No.:	2989	Date Analyzed:	03 Mar 05

Rev Qual	Qual Code	Analyte	Conc. pg/L	DL pg/L	EMPC pg/L	Qualifier	Recoveries ES	Recoveries CS
U		2,3,7,8-TCDD	ND	1.34			65.8	77.1
		1,2,3,7,8-PeCDD	ND	2.11			62.8	79.6
		1,2,3,4,7,8-HxCDD	ND	2.48			66.4	79.4
		1,2,3,6,7,8-HxCDD	ND	2.34			71.2	79.4
		1,2,3,7,8,9-HxCDD	ND	2.82			67.2	79.4
		1,2,3,4,6,7,8-HpCDD	ND	9.38			55.3	65
		OCDD	70.4	6.96			48.1	65
U		2,3,7,8-TCDF	ND	0.995			68.3	77.1
		1,2,3,7,8-PeCDF	ND	2.33			70.6	77.3
		2,3,4,7,8-PeCDF	ND	2.42			62.6	77.3
		1,2,3,4,7,8-HxCDF	ND	0.943			62.6	79.4
		1,2,3,6,7,8-HxCDF	ND	0.871			68.5	79.4
		2,3,4,6,7,8-HxCDF	ND	1.12			61.8	79.4
		1,2,3,7,8,9-HxCDF	ND	1.73			57.8	79.4
		1,2,3,4,6,7,8-HpCDF	ND	1.9			53.5	65
		1,2,3,4,7,8,9-HpCDF	ND	3.25			49.3	65
		OCDF	ND	12.4			47.2	65
		Totals & TEQs						
U		TCDDs	ND	1.34				
		PeCDDs	ND	2.11				
		HxCDDs	ND	2.55				
J	DNQ	HpCDDs	9.46	9.38				
U		TCDFs	ND	0.995				
		PeCDFs	ND	2.37				
		HxCDFs	ND	1.13				
		HpCDFs	ND	2.5				
		Total PCDD/Fs	**79.9**		**79.9**			

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Checkcode: 5239

AMEC VALIDATED

AAP 2005 Rev. B

Reviewer .....

Date .....

Sample ID: IOB1001-01 Outfall 010

Method 1613

Client Data		Sample Data		Laboratory Data			
Name:	Pace Inc.	Matrix:	Aqueous	Project No.:	P5072	Date Received:	01 Mar 05
Project ID:	General Analytical HRMS	Weight/Volume:	1.00 L	Sample ID:	P5072_2989_001	Date Extracted:	01 Mar 05
Date Collected:	11 Feb 05	pH	6	QC Batch No.:	2989	Date Analyzed:	02 Mar 05

Rev Qual	Qual Code	Analyte	Conc. pg/L	DL pg/L	EMPC pg/L	Qualifier	Recoveries ES	Recoveries CS
U		2,3,7,8-TCDD	ND	2.29			69	82.8
		1,2,3,7,8-PeCDD	ND	1.65			70.8	88.3
		1,2,3,4,7,8-HxCDD	ND	3.45			74.1	83.8
		1,2,3,6,7,8-HxCDD	ND	3.21			80.2	83.8
		1,2,3,7,8,9-HxCDD	ND	3.83			77.1	83.8
		1,2,3,4,6,7,8-HpCDD	75.4	6.41			65	64.9
		OCDD	883	11			58.7	64.9
U		2,3,7,8-TCDF	ND	1.24			71.6	82.8
		1,2,3,7,8-PeCDF	ND	1.79			78.2	84.3
		2,3,4,7,8-PeCDF	ND	1.86			67.3	84.3
		1,2,3,4,7,8-HxCDF	ND	0.867			69.2	83.8
		1,2,3,6,7,8-HxCDF	ND	0.843			77.3	83.8
		2,3,4,6,7,8-HxCDF	ND	1.12			68.3	83.8
		1,2,3,7,8,9-HxCDF	ND	1.67			64	83.8
J	DNQ	1,2,3,4,6,7,8-HpCDF	16.8	2.36		J	54.2	64.9
U		1,2,3,4,7,8,9-HpCDF	ND	3.46			56.3	64.9
		OCDF	155	10.2			55.7	64.9
		Totals & TEQs						
U		TCDDs	ND	2.29				
U		PeCDDs	ND	1.65				
J	DNQ,$	HxCDDs	~~7.38~~ 5.16	3.5				
		HpCDDs	153	6.41				
U		TCDFs	ND	1.24				
U		PeCDFs	ND	1.82				
J	DNQ	HxCDFs	2.68	1.09	9.88			
J	HD	HpCDFs	92.9	2.87				
		Total PCDD/Fs	**1,290**		**1,300**			

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AMEC VALIDATED

Reviewer .....

Date .....

CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Package ID T711DF29
Task Order 313150010
SDG No. Multiple
No. of Analyses 6

Laboratory Alta
Reviewer K. Shadowlight
Analysis/Method Dioxins

Date: March 9, 2005
Reviewer's Signature K Shadowlight

ACTION ITEMS[a]	
1. **Case Narrative** **Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications were assigned for the following:
Holding Times	* EMPCs
GC/MS Tune/Inst. Performance	* Detects below the lower method calibration level
Calibration	* Diphenyl ether interference
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification and Quantitation	
System Performance	
COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

Data Qualifier Reference Table

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quanti–tation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified; the associated numerical value is the approx-imate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evi-dence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value repre-sents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the re-ported sample quantitation limit. However, the reported quantitation limit is approx-imate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or may not be present).

Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D were noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) or calibration blank.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination from trip blank.	Not applicable.
+	False positive – reported compound was not present. Not applicable.	
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination from FB, or ER.	Presumed contamination from FB or ER.
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
DNQ	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.

*#	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).

DATA VALIDATION REPORT

NPDES
Monitoring

ANALYSIS: DIOXINS/FURANS

SAMPLE DELIVERY GROUPS: Multiple SDGs

Prepared by

AMEC—Denver Operations
550 South Wadsworth Boulevard, Suite 500
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010
Sample Delivery Group #:	Multiple SDGs
Project Manager:	B. McIlvaine
Matrix:	Water
Analysis:	Dioxins/Furans
QC Level:	Level IV
No. of Samples:	6
No. of Reanalyses/Dilutions:	0
Reviewer:	K. Shadowlight
Date of Review:	March 9, 2005

The samples listed in Table 1 were validated based on the guidelines outlined in the *AMEC Data Validation Procedure for Dioxins and Furans (DVP-19, Rev. 1), EPA Method 1613, and the National National Functional Guidelines For Chlorinated Dioxin/Furan Data Review* (8/02). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Client ID	Laboratory ID (Del Mar)	Laboratory ID (Alta)	Matrix	COC Method
Outfall 001	IOB1560-01	25788-001	water	1613
Outfall 004	IOB1556-01	25786-001	water	1613
Outfall 005	IOB1557-01	25787-001	water	1613
Outfall 006	IOB1559-01	25784-001	water	1613
Outfall 009	IOB1574-01	25789-001	water	1613
Outfall 010	IOB1575-01	25785-001	water	1613

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

All of the samples in these SDGs were received at Del Mar Analytical within the temperature limits of 4°C ±2°C. The samples were shipped to Alta for dioxin/furan analyses and were received below the temperature limits at 0.8°C and 1.6°C; however, as none of the samples were noted to have been frozen or damaged, no qualifications were required. According to the laboratory login sheets, all samples were received intact and in good condition at both laboratories. No qualifications were required.

2.1.2 Chain of Custody

The COCs and transfer COCs were legible and signed by the appropriate field and laboratory personnel, and accounted for the analyses presented in these SDGs. As the samples were couriered directly to Del Mar Analytical, custody seals were not required. The coolers received by Alta had custody seals present and intact; however, custody seals were not present on the sample containers. The EPA IDs were added to the sample result summary report by the reviewer. No qualifications were required.

2.1.3 Holding Times

The samples were extracted and analyzed within a year of collection. No qualifications were required.

2.2 INSTRUMENT PERFORMANCE

Following are findings associated with instrument performance:

2.2.1 GC Column Performance

A Windows Defining Mix (WDM) containing the first and last eluting congeners of each descriptor and isomer specificity compounds was not analyzed prior to the initial calibration sequence or at the beginning of each analytical sequence; however, the first and last eluting congeners and isomer specificity compounds were added to the midpoint of the initial calibration and to the continuing calibration standards (see section 2.3.2). The GC column performance in the calibrations was acceptable, with the height of the valley between the closely eluting isomers and 2,3,7,8-TCDD reported as less than 25%. No qualifications were required.

2.2.2 Mass Spectrometer Performance

The mass spectrometer performance was acceptable with the static resolving power greater than 10,000. No qualifications were required.

2.3 CALIBRATION

2.3.1 Initial Calibration

There were two initial calibrations, analyzed 08/30/04 and 10/04/04. The calibrations each consisted of six concentration level standards (CS0 through CS5) analyzed to verify instrument linearity. The initial calibrations were acceptable with %RSDs ≤20% for the 15 native compounds (calibration by isotope dilution) and ≤35% for the two native and all labeled compounds (calibration by internal standard). The relative retention times and ion abundance ratios were within the QC limits listed in Method 1613 for all standards. A representative number of %RSDs were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

2.3.2 Continuing Calibration

Calibration verification (VER) consisted of a mid-level standard (CS3) analyzed at the beginning of each analytical sequence. The VERs were acceptable with the concentrations within the acceptance criteria listed in Table 6 of EPA Method 1613. The ion abundance ratios and relative retention times were within the method QC limits. A representative number of %Ds were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

WDM and isomer specificity compounds were added to the VER standards instead of being analyzed separately, as noted in section 2.2.1 of this report. No adverse effect was observed with this practice.

2.4 BLANKS

One method blank (6543-MB001) was extracted and analyzed with the samples in these SDGs. There were no detects reported in the method blank. A review of the method blank raw data and chromatograms indicated no false negatives. No qualifications were required.

2.5 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

One Ongoing Precision Recovery (OPR) sample (6543-OPR001) was extracted and analyzed with the samples in these SDGs. All recoveries were within the acceptance criteria listed in Table 6 of the Method 1613. No qualifications were required.

2.6 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MS/MSD analyses were not performed in these SDGs. Evaluation of method accuracy was based on the OPR results. No qualifications were required.

2.7 FIELD QC SAMPLES

Following are findings associated with field QC:

2.7.1 Field Blanks and Equipment Rinsates

The samples in these SDGs had no associated field QC samples. No qualifications were required.

2.7.2 Field Duplicates

No field duplicate samples were identified for these SDGs.

2.8 INTERNAL STANDARDS

The labeled standard recoveries were within the acceptance criteria listed in Table 7 of Method 1613. No qualifications were required.

2.9 COMPOUND IDENTIFICATION

The laboratory analyzed for polychlorinated dioxins/furans by EPA Method 1613. The compound identifications were verified from the raw data and no false negatives or positives were noted. No qualifications were required.

2.10 COMPOUND QUANTIFICATION AND REPORTED DETECTION LIMITS

Compound quantitation was verified from the raw data. The laboratory calculated and reported compound-specific detection limits. Compounds flagged by the laboratory with a "D" qualifier indicated possible diphenylether interference and were qualified as estimated, "J." Any reported EMPC was qualified as an estimated nondetect, "UJ." Any detects below the lower method calibration level (MCL) were qualified as estimated, "J;" however, as Alta analyzed an additional calibration standard, not all results below the method calibration level were appropriately qualified by the laboratory. These results were qualified as estimated, "J," by the reviewer. No further qualifications were required.

ALTA

Sample ID: IOB1560-01 Outfall 001 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	25788-001	Date Received:	24-Feb-05
Project:	IOB1560	Sample Size:	1.010 L	QC Batch No.:	6543	Date Extracted:	25-Feb-05
Date Collected:	18-Feb-05			Date Analyzed DB-5:	1-Mar-05	Date Analyzed DB-225:	NA
Time Collected:	0953						

Analyte	Conc. (pg/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	1.45		
1,2,3,7,8-PeCDD	ND	1.60		
1,2,3,4,7,8-HxCDD	ND	3.98		
1,2,3,6,7,8-HxCDD	ND	4.13		
1,2,3,7,8,9-HxCDD	ND	4.04		
1,2,3,4,6,7,8-HpCDD	57.7			
OCDD	749			
2,3,7,8-TCDF	ND	1.94		
1,2,3,7,8-PeCDF	ND	2.83		
2,3,4,7,8-PeCDF	ND	2.55		
1,2,3,4,7,8-HxCDF	ND	1.15		
1,2,3,6,7,8-HxCDF	ND	1.10		
2,3,4,6,7,8-HxCDF	ND	1.23		
1,2,3,7,8,9-HxCDF	ND	1.82		
1,2,3,4,6,7,8-HpCDF	10.9			J
1,2,3,4,7,8,9-HpCDF	ND	2.57		
OCDF	32.5			J
Totals				
Total TCDD	ND	1.45		
Total PeCDD	ND	1.60		
Total HxCDD	13.3			
Total HpCDD	127			
Total TCDF	5.48			D
Total PeCDF	ND		1.66	
Total HxCDF	12.8			
Total HpCDF	39.0			

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	74.0	25 - 164	
	13C-1,2,3,7,8-PeCDD	64.2	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	70.2	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	78.1	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	70.9	23 - 140	
	13C-OCDD	60.9	17 - 157	
	13C-2,3,7,8-TCDF	73.6	24 - 169	
	13C-1,2,3,7,8-PeCDF	60.2	24 - 185	
	13C-2,3,4,7,8-PeCDF	61.5	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	63.5	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	73.0	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	71.7	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	69.1	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	69.6	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	71.2	26 - 138	
	13C-OCDF	67.3	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	85.5	35 - 197	

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: William J. Luksemburg 02-Mar-2005 08:35

Project 25788

AMEC VALIDATED

LEVEL IV

ALTA

Sample ID: IOB1556-01 Outfall 004 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	25786-001	Date Received:	24-Feb-05
Project:	IOB1556	Sample Size:	1.029 L	QC Batch No.:	6543	Date Extracted:	25-Feb-05
Date Collected:	18-Feb-05			Date Analyzed DB-5:	1-Mar-05	Date Analyzed DB-225:	NA
Time Collected:	1120						

Analyte	Conc. (pg/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	1.86		
1,2,3,7,8-PeCDD	ND	1.38		
1,2,3,4,7,8-HxCDD	ND	4.25		
1,2,3,6,7,8-HxCDD	ND	4.14		
1,2,3,7,8,9-HxCDD	ND	4.18		
1,2,3,4,6,7,8-HpCDD	22.6			J
OCDD	262			
2,3,7,8-TCDF	ND	1.65		
1,2,3,7,8-PeCDF	ND	2.94		
2,3,4,7,8-PeCDF	ND	2.70		
1,2,3,4,7,8-HxCDF	ND	1.94		
1,2,3,6,7,8-HxCDF	ND	1.86		
2,3,4,6,7,8-HxCDF	ND	2.11		
1,2,3,7,8,9-HxCDF	ND	3.16		
1,2,3,4,6,7,8-HpCDF	4.20			J
1,2,3,4,7,8,9-HpCDF	ND	2.86		
OCDF	ND		8.06	

Labeled Standard		%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	58.8	25 - 164	
	13C-1,2,3,7,8-PeCDD	55.3	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	58.0	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	63.0	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	57.5	23 - 140	
	13C-OCDD	48.6	17 - 157	
	13C-2,3,7,8-TCDF	61.7	24 - 169	
	13C-1,2,3,7,8-PeCDF	50.9	24 - 185	
	13C-2,3,4,7,8-PeCDF	53.7	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	53.2	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	60.3	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	60.9	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	57.9	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	57.3	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	58.7	26 - 138	
	13C-OCDF	54.2	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	81.4	35 - 197	

Totals

Total TCDD	ND	1.86	
Total PeCDD	ND	1.38	
Total HxCDD	ND	4.18	
Total HpCDD	42.4		
Total TCDF	ND	1.65	
Total PeCDF	ND	2.81	
Total HxCDF	ND	2.21	
Total HpCDF	11.1		

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: William J. Luksemburg 02-Mar-2005 08:43

PM 4/14/05 Rev 1

Project 25786

AMEC VALIDATED

LEVEL IV

ALTA

Sample ID: IOB1574-01 c.tfe11029 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	25789-001	Date Received:	24-Feb-05
Project:	IOB1574	Sample Size:	1.015 L	QC Batch No.:	6543	Date Extracted:	25-Feb-05
Date Collected:	18-Feb-05			Date Analyzed DB-5:	1-Mar-05	Date Analyzed DB-225:	NA
Time Collected:	1421						

Analyte	Conc. (pg/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	1.41		
1,2,3,7,8-PeCDD	ND	2.17		
1,2,3,4,7,8-HxCDD	ND	3.36		
1,2,3,6,7,8-HxCDD	ND	3.29		
1,2,3,7,8,9-HxCDD	ND	3.31		
1,2,3,4,6,7,8-HpCDD	48.8			
OCDD	520			
2,3,7,8-TCDF	ND	1.70		
1,2,3,7,8-PeCDF	ND	3.87		
2,3,4,7,8-PeCDF	ND	3.29		
1,2,3,4,7,8-HxCDF	ND	1.07		
1,2,3,6,7,8-HxCDF	ND	1.02		
2,3,4,6,7,8-HxCDF	ND	1.09		
1,2,3,7,8,9-HxCDF	ND	1.65		
1,2,3,4,6,7,8-HpCDF	9.06			J
1,2,3,4,7,8,9-HpCDF	ND	2.50		
OCDF	28.9			J

Labeled Standard		%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	69.0	25 - 164	
	13C-1,2,3,7,8-PeCDD	61.5	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	63.5	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	69.5	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	61.4	23 - 140	
	13C-OCDD	54.0	17 - 157	
	13C-2,3,7,8-TCDF	73.3	24 - 169	
	13C-1,2,3,7,8-PeCDF	58.1	24 - 185	
	13C-2,3,4,7,8-PeCDF	59.7	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	56.4	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	65.3	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	64.3	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	61.8	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	61.3	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	60.7	26 - 138	
	13C-OCDF	59.7	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	83.0	35 - 197	

Totals				
Total TCDD	ND	1.41		
Total PeCDD	ND	2.17		
Total HxCDD	12.3			
Total HpCDD	134			
Total TCDF	ND	1.70		
Total PeCDF	ND	3.57		
Total HxCDF	6.36		10.4	
Total HpCDF	30.4			

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: William J. Luksemburg 02-Mar-2005 08:29

PM 4/14/05 Rev 1

AMEC VALIDATED

LEVEL IV

ALTA

Sample ID: IOB1575-01 Outfall 010 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	25785-001	Date Received:	24-Feb-05
Project:	IOB1575	Sample Size:	0.996 L	QC Batch No.:	6543	Date Extracted:	25-Feb-05
Date Collected:	18-Feb-05			Date Analyzed DB-5:	28-Feb-05	Date Analyzed DB-225:	NA
Time Collected:	1515						

Analyte	Conc. (pg/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.595		
1,2,3,7,8-PeCDD	ND	1.32		
1,2,3,4,7,8-HxCDD	ND	1.98		
1,2,3,6,7,8-HxCDD	9.92			J
1,2,3,7,8,9-HxCDD	ND	3.93		
1,2,3,4,6,7,8-HpCDD	485			
OCDD	6080			
2,3,7,8-TCDF	ND	0.609		
1,2,3,7,8-PeCDF	ND	1.74		
2,3,4,7,8-PeCDF	ND	1.57		
1,2,3,4,7,8-HxCDF	ND	1.34		
1,2,3,6,7,8-HxCDF	ND	1.97		
2,3,4,6,7,8-HxCDF	ND	1.12		
1,2,3,7,8,9-HxCDF	ND	1.12		
1,2,3,4,6,7,8-HpCDF	88.1			
1,2,3,4,7,8,9-HpCDF	7.23			J
OCDF	1230			
Totals				
Total TCDD	ND	0.595		
Total PeCDD	ND	1.32		
Total HxCDD	29.5			
Total HpCDD	775			
Total TCDF	ND	1.14		
Total PeCDF	ND		3.93	
Total HxCDF	67.4			
Total HpCDF	647			

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	72.4	25 - 164	
	13C-1,2,3,7,8-PeCDD	69.2	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	66.4	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	69.5	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	69.7	23 - 140	
	13C-OCDD	64.5	17 - 157	
	13C-2,3,7,8-TCDF	73.2	24 - 169	
	13C-1,2,3,7,8-PeCDF	66.1	24 - 185	
	13C-2,3,4,7,8-PeCDF	66.8	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	60.2	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	60.1	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	59.0	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	63.1	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	57.7	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	62.3	26 - 138	
	13C-OCDF	61.9	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	84.1	35 - 197	

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: MS

Approved By: William J. Luksemburg 01-Mar-2005 16:49

pm 4/14/05
Rev 1
Project 25785

AMEC VALIDATED LEVEL E

ALTA

Sample ID: IOB1559-01 Dup fail 32 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	25784-001	Date Received:	24-Feb-05
Project:	IOB1559	Sample Size:	0.944 L	QC Batch No.:	6543	Date Extracted:	25-Feb-05
Date Collected:	18-Feb-05			Date Analyzed DB-5:	28-Feb-05	Date Analyzed DB-225:	NA
Time Collected:	0900						

Analyte	Conc. (pg/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.673		
1,2,3,7,8-PeCDD	ND	1.86		
1,2,3,4,7,8-HxCDD	ND	2.29		
1,2,3,6,7,8-HxCDD	ND	2.35		
1,2,3,7,8,9-HxCDD	ND	2.29		
1,2,3,4,6,7,8-HpCDD	12.0			J
OCDD	163			
2,3,7,8-TCDF	ND	1.08		
1,2,3,7,8-PeCDF	ND	1.08		
2,3,4,7,8-PeCDF	ND	1.04		
1,2,3,4,7,8-HxCDF	ND	0.760		
1,2,3,6,7,8-HxCDF	ND	0.741		
2,3,4,6,7,8-HxCDF	ND	0.847		
1,2,3,7,8,9-HxCDF	ND	1.29		
1,2,3,4,6,7,8-HpCDF	2.70			J
1,2,3,4,7,8,9-HpCDF	ND	1.03		
OCDF	8.59			J

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	81.6	25 - 164	
	13C-1,2,3,7,8-PeCDD	76.9	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	71.7	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	74.0	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	73.2	23 - 140	
	13C-OCDD	63.9	17 - 157	
	13C-2,3,7,8-TCDF	79.6	24 - 169	
	13C-1,2,3,7,8-PeCDF	71.8	24 - 185	
	13C-2,3,4,7,8-PeCDF	73.8	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	67.0	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	66.4	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	65.4	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	69.3	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	61.8	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	70.4	26 - 138	
	13C-OCDF	64.4	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	93.9	35 - 197	

Totals

Total TCDD	ND	0.673	
Total PeCDD	ND	1.86	
Total HxCDD	ND	2.31	
Total HpCDD	27.6		
Total TCDF	ND	1.45	
Total PeCDF	ND		0.607
Total HxCDF	1.10		1.93
Total HpCDF	2.70		6.51

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: MS

Approved By: William J. Luksemburg 01-Mar-2005 16:44

PM Rev 4/4/05

Project 25784

AMEC VALIDATED

LEVEL IV

ALTA

Sample ID: IOB1557-01 Outfall 25 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	25787-001	Date Received:	24-Feb-05
Project:	IOB1557	Sample Size:	1.018 L	QC Batch No.:	6543	Date Extracted:	25-Feb-05
Date Collected:	18-Feb-05			Date Analyzed DB-5:	1-Mar-05	Date Analyzed DB-225:	NA
Time Collected:	1010						

Analyte	Conc. (pg/L)	DL [a]	EMPC[b]	Qualifiers
2,3,7,8-TCDD	ND	1.55		
1,2,3,7,8-PeCDD	ND	1.18		
1,2,3,4,7,8-HxCDD	ND	2.61		
1,2,3,6,7,8-HxCDD	ND	2.54		
1,2,3,7,8,9-HxCDD	ND	2.56		
1,2,3,4,6,7,8-HpCDD	ND	3.83		
OCDD	40.6			J
2,3,7,8-TCDF	ND	1.37		
1,2,3,7,8-PeCDF	ND	1.91		
2,3,4,7,8-PeCDF	ND	1.69		
1,2,3,4,7,8-HxCDF	ND	0.642		
1,2,3,6,7,8-HxCDF	ND	0.622		
2,3,4,6,7,8-HxCDF	ND	0.670		
1,2,3,7,8,9-HxCDF	ND	1.02		
1,2,3,4,6,7,8-HpCDF	ND	1.99		
1,2,3,4,7,8,9-HpCDF	ND	2.23		
OCDF	ND	5.08		

Totals				
Total TCDD	ND	1.55		
Total PeCDD	ND	1.18		
Total HxCDD	ND	2.57		
Total HpCDD	ND	3.83		
Total TCDF	ND	1.37		
Total PeCDF	ND	1.80		
Total HxCDF	ND	0.720		
Total HpCDF	ND	2.09		

	Labeled Standard	%R	LCL-UCL[d]	Qualifiers
IS	13C-2,3,7,8-TCDD	77.8	25 - 164	
	13C-1,2,3,7,8-PeCDD	68.9	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	76.2	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	82.6	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	74.4	23 - 140	
	13C-OCDD	57.3	17 - 157	
	13C-2,3,7,8-TCDF	78.4	24 - 169	
	13C-1,2,3,7,8-PeCDF	63.8	24 - 185	
	13C-2,3,4,7,8-PeCDF	66.5	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	67.6	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	76.0	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	77.3	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	71.0	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	74.1	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	74.0	26 - 138	
	13C-OCDF	67.1	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	90.7	35 - 197	

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: William J. Luksemburg 02-Mar-2005 08:38

VALIDATED

LEVEL IV

CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Package ID T711DF20
Task Order 313150010
SDG No. Multiple
No. of Analyses 15

Laboratory Alta
Reviewer K. Shadowlight
Analysis/Method Dioxins

Date: February 11, 2005
Reviewer's Signature K Shadowlight

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications were assigned for the following:
Holding Times	* Method blank contamination
GC/MS Tune/Inst. Performance	* EMPCs
Calibration	* Detects below the lower method calibration level
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification and Quantitation	
System Performance	
COMMENTS[b]	Rev. 1

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

Data Qualifier Reference Table

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or may not be present).

Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D were noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) or calibration blank.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination from trip blank.	Not applicable.
+	False positive – reported compound was not present. Not applicable.	
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination from FB, or ER.	Presumed contamination from FB or ER.
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
DNQ	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.

*#	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).

DATA VALIDATION REPORT

NPDES
Monitoring

ANALYSIS: DIOXINS/FURANS

SAMPLE DELIVERY GROUPS: Multiple SDGs

Prepared by

AMEC—Denver Operations
550 South Wadsworth Boulevard, Suite 500
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010
Sample Delivery Group #:	Multiple
Project Manager:	B. McIlvaine
Matrix:	Water
Analysis:	Dioxins/Furans
QC Level:	Level IV
No. of Samples:	15
No. of Reanalyses/Dilutions:	0
Reviewer:	K. Shadowlight
Date of Review:	February 11, 2005

The samples listed in Table 1 were validated based on the guidelines outlined in the *AMEC Data Validation Procedure for Dioxins and Furans (DVP-19, Rev. 1), EPA Method 1613, and the National National Functional Guidelines For Chlorinated Dioxin/Furan Data Review* (8/02). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Client ID	Laboratory ID (Del Mar)	Laboratory ID (Pace)	Matrix	COC Method
Outfall 003	IOA0026-01	105648001	water	1613
Outfall 004	IOA0027-01	105646001	water	1613
Outfall 005	IOA0028-01	105645001	water	1613
Outfall 007	IOA0108-01	105774001	water	1613
Outfall 008	IOA0109-01	105775001	water	1613
Outfall 009	IOA0110-01	105770001	water	1613
Outfall 010	IOA0111-01	105758001	water	1613
Outfall 001	IOA0112-01	105778001	water	1613
Outfall 002	IOA0119-01	105772001	water	1613
Outfall 018	IOA0122-01	105779001	water	1613
Outfall 011	IOA0131-01	105773001	water	1613
Outfall 006	IOA0458-01	106048001	water	1613
Outfall 004	IOA0460-01	106050001	water	1613
Outfall 005	IOA0464-01	106052001	water	1613
Outfall 003	IOA0466-01	106051001	water	1613

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

All of the samples in these SDGs were received at Del Mar Analytical within the temperature limits of 4°C ±2°C. Several of the samples in these SDGs were received at Pace Analytical Services below the temperature limits of 4°C ±2°C; however, as none of the samples were noted to have been damaged, no qualifications were required. The samples were received in good condition at both laboratories. No qualifications were required.

2.1.2 Chain of Custody

The COC and transfer COC were signed by the appropriate field and laboratory personnel, and accounted for the analyses presented in these SDGs. As the samples were couriered directly to the laboratory (Del Mar Analytical), custody seals were not required. There was no information regarding custody seals upon receipt at Pace. No qualifications were required.

2.1.3 Holding Times

The samples were extracted and analyzed within a year of collection. No qualifications were required.

2.2 INSTRUMENT PERFORMANCE

Following are findings associated with instrument performance:

2.2.1 GC Column Performance

A column performance standard was combined with the daily calibration verification and analyzed at the beginning of each analytical sequence. The GC column performance was acceptable with the chromatographic separation of 2,3,7,8-TCDD and other TCDD isomers resolved with a valley of ≤25%. No qualifications were required.

2.2.2 Mass Spectrometer Performance

The mass spectrometer performance could not be evaluated as the laboratory did not provide selected ion current profiles for the lock-mass ions. No qualifications were required.

2.3 CALIBRATION

2.3.1 Initial Calibration

There was one initial calibration, analyzed 11/29/04 on Instrument 10MSHR05. The calibration consisted of five concentration level standards (CS1 through CS5) analyzed to verify instrument linearity. The initial calibration was acceptable with %RSDs ≤20% for the 15 native compounds (calibration by isotope dilution) and ≤35% for the 2 native and all labeled compounds (calibration by internal standard). The relative retention times and ion abundance ratios were within the QC limits listed in Method 1613 for all standards. A representative number of %RSDs were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

2.3.2 Continuing Calibration

Calibration verification (VER) consisted of a mid-level standard (CS3) analyzed at the beginning of each analytical sequence. The VER was acceptable with the concentrations within the acceptance criteria listed in the Table 6 of the EPA Method 1613. The ion abundance ratios and relative retention times were within the method QC limits. A representative number of %Ds were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

2.4 BLANKS

One method blank (Blank-6202) was extracted and analyzed with the samples in these SDGs. Target compounds 1,2,3,4,6,7,8-HpCDD, total HpCDD, OCDF, and OCDD were reported in the method blank. Any detects for the aforementioned target compounds reported at concentrations <5x the concentrations reported in the method blank were qualified as estimated nondetects "UJ," at the levels of interference in the samples of these SDGs. A review of the method blank raw data and chromatograms indicated no false negatives or false positives. No further qualifications were required.

2.5 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

One LCS/LCSD pair (LCS-6203/LCSD-6204) was extracted and analyzed with the samples in these SDGs. All recoveries were within the acceptance criteria listed in Table 6 of the Method 1613. There were no QC limits established for RPDs. The reported RPDs were within ±20%. No qualifications were required.

2.6 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MS/MSD analyses were not performed in these SDGs. Evaluation of method accuracy and precision was based on the LCS/LCSD results. No qualifications were required.

2.7 FIELD QC SAMPLES

Following are findings associated with field QC:

2.7.1 Field Blanks and Equipment Rinsates

The samples in these SDGs had no associated field QC samples. No qualifications were required.

2.7.2 Field Duplicates

No field duplicate samples were identified for these SDGs.

2.8 INTERNAL STANDARDS

The labeled standard recoveries were within the acceptance criteria listed in Table 7 of Method 1613. No qualifications were required.

2.9 COMPOUND IDENTIFICATION

The laboratory analyzed for polychlorinated dioxins/furans by EPA Method 1613. The compound identifications were verified from the raw data and no false negatives or positives were noted. No qualifications were required.

2.10 COMPOUND QUANTIFICATION AND REPORTED DETECTION LIMITS

Compound quantitation was verified from the raw data. The laboratory calculated and reported compound-specific detection limits. Any detects below the lower method calibration limit (MCL) were qualified as estimated, "J." Any reported EMPC was qualified as an estimated nondetect, "UJ." No further qualifications were required.

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Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	IOA0112-01		
Lab Sample ID	105778001		
Filename	F50127B_14		
Injected By	MRO		
Total Amount Extracted	1040 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	01/04/2005
ICAL Date	11/29/2004	Received	01/06/2005
CCal Filename(s)	F50127A_13	Extracted	01/24/2005
Method Blank ID	BLANK-6202	Analyzed	01/28/2005 07:52

Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	1.00		2,3,7,8-TCDF-13C	2.00	65
Total TCDF	1.60	-----	1.00	J	2,3,7,8-TCDD-13C	2.00	81
					1,2,3,7,8-PeCDF-13C	2.00	103
2,3,7,8-TCDD	ND	-----	1.00		2,3,4,7,8-PeCDF-13C	2.00	99
Total TCDD	ND	-----	1.00		1,2,3,7,8-PeCDD-13C	2.00	120
					1,2,3,4,7,8-HxCDF-13C	2.00	72
1,2,3,7,8-PeCDF	ND	-----	0.57		1,2,3,6,7,8-HxCDF-13C	2.00	84
2,3,4,7,8-PeCDF	ND	-----	0.42		2,3,4,6,7,8-HxCDF-13C	2.00	79
Total PeCDF	0.70	-----	0.49	J	1,2,3,7,8,9-HxCDF-13C	2.00	77
					1,2,3,4,7,8-HxCDD-13C	2.00	67
1,2,3,7,8-PeCDD	ND	-----	0.60		1,2,3,6,7,8-HxCDD-13C	2.00	90
Total PeCDD	ND	-----	0.60		1,2,3,4,6,7,8-HpCDF-13C	2.00	76
					1,2,3,4,7,8,9-HpCDF-13C	2.00	67
1,2,3,4,7,8-HxCDF	0.96	-----	0.46	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	90
1,2,3,6,7,8-HxCDF	ND	-----	0.40		OCDD-13C	4.00	75
2,3,4,6,7,8-HxCDF	ND	-----	0.59				
1,2,3,7,8,9-HxCDF	ND	-----	0.39		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.96	-----	0.46	J	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	0.71		2,3,7,8-TCDD-37Cl4	0.20	80
1,2,3,6,7,8-HxCDD	ND	-----	0.69				
1,2,3,7,8,9-HxCDD	ND	-----	0.72				
Total HxCDD	ND	-----	0.71				
1,2,3,4,6,7,8-HpCDF	-----	1.9	0.82	I			
1,2,3,4,7,8,9-HpCDF	ND	-----	0.68				
Total HpCDF	2.10	-----	0.75	J			
1,2,3,4,6,7,8-HpCDD	13.00	-----	0.82	BJ			
Total HpCDD	24.00	-----	0.82	J			
OCDF	11.00	-----	0.78	BJ			
OCDD	140.00	-----	1.00	B			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....105778

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
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Tel: 612-607-1700
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Pace Analytical™

Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	IOA0026-01		
Lab Sample ID	105648001		
Filename	F50127A_10		
Injected By	MRO		
Total Amount Extracted	994 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	01/03/2005
ICAL Date	11/29/2004	Received	01/04/2005
CCal Filename(s)	F50127A_02	Extracted	01/24/2005
Method Blank ID	BLANK-6202	Analyzed	01/27/2005 17:34

Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	2.80		2,3,7,8-TCDF-13C	2.00	60
Total TCDF	ND	-----	2.80		2,3,7,8-TCDD-13C	2.00	71
					1,2,3,7,8-PeCDF-13C	2.00	83
2,3,7,8-TCDD	ND	-----	2.60		2,3,4,7,8-PeCDF-13C	2.00	86
Total TCDD	ND	-----	2.60		1,2,3,7,8-PeCDD-13C	2.00	100
					1,2,3,4,7,8-HxCDF-13C	2.00	80
1,2,3,7,8-PeCDF	ND	-----	1.50		1,2,3,6,7,8-HxCDF-13C	2.00	101
2,3,4,7,8-PeCDF	ND	-----	1.20		2,3,4,6,7,8-HxCDF-13C	2.00	97
Total PeCDF	ND	-----	1.30		1,2,3,7,8,9-HxCDF-13C	2.00	87
					1,2,3,4,7,8-HxCDD-13C	2.00	75
1,2,3,7,8-PeCDD	ND	-----	1.50		1,2,3,6,7,8-HxCDD-13C	2.00	98
Total PeCDD	ND	-----	1.50		1,2,3,4,6,7,8-HpCDF-13C	2.00	90
					1,2,3,4,7,8,9-HpCDF-13C	2.00	79
1,2,3,4,7,8-HxCDF	ND	-----	1.10		1,2,3,4,6,7,8-HpCDD-13C	2.00	103
1,2,3,6,7,8-HxCDF	ND	-----	0.91		OCDD-13C	4.00	100
2,3,4,6,7,8-HxCDF	ND	-----	0.94				
1,2,3,7,8,9-HxCDF	ND	-----	0.95		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	1.3	-----	0.98	J	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	1.60		2,3,7,8-TCDD-37Cl4	0.20	70
1,2,3,6,7,8-HxCDD	ND	-----	1.80				
1,2,3,7,8,9-HxCDD	ND	-----	1.80				
Total HxCDD	ND	-----	1.70				
1,2,3,4,6,7,8-HpCDF	1.7	-----	1.10	J			
1,2,3,4,7,8,9-HpCDF	ND	-----	1.50				
Total HpCDF	5.5	-----	1.30	J			
1,2,3,4,6,7,8-HpCDD	5.8	-----	1.70	BJ			
Total HpCDD	17.0	-----	1.70	BJ			
OCDF	7.4	-----	2.00	BJ			
OCDD	62.0	-----	3.10	BJ			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....105648

RECALCULATED

REPORT OF LABORATORY ANALYSIS

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LEVEL IV

Pace Analytical Services, Inc.
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Minneapolis, MN 55414

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Pace Analytical™

Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	IOA0027-01		
Lab Sample ID	105646001		
Filename	F50127A_09		
Injected By	MRO		
Total Amount Extracted	1040 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	01/03/2005
ICAL Date	11/29/2004	Received	01/04/2005
CCal Filename(s)	F50127A_02	Extracted	01/24/2005
Method Blank ID	BLANK-6202	Analyzed	01/27/2005 16:44

Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	2.7		2,3,7,8-TCDF-13C	2.00	51
Total TCDF	ND	-----	2.7		2,3,7,8-TCDD-13C	2.00	64
					1,2,3,7,8-PeCDF-13C	2.00	80
2,3,7,8-TCDD	ND	-----	3.1		2,3,4,7,8-PeCDF-13C	2.00	77
Total TCDD	ND	-----	3.1		1,2,3,7,8-PeCDD-13C	2.00	90
					1,2,3,4,7,8-HxCDF-13C	2.00	77
1,2,3,7,8-PeCDF	ND	-----	1.7		1,2,3,6,7,8-HxCDF-13C	2.00	102
2,3,4,7,8-PeCDF	ND	-----	1.2		2,3,4,6,7,8-HxCDF-13C	2.00	94
Total PeCDF	ND	-----	1.5		1,2,3,7,8,9-HxCDF-13C	2.00	83
					1,2,3,4,7,8-HxCDD-13C	2.00	74
1,2,3,7,8-PeCDD	ND	-----	2.6		1,2,3,6,7,8-HxCDD-13C	2.00	96
Total PeCDD	ND	-----	2.6		1,2,3,4,6,7,8-HpCDF-13C	2.00	85
					1,2,3,4,7,8,9-HpCDF-13C	2.00	74
1,2,3,4,7,8-HxCDF	ND	-----	1.6		1,2,3,4,6,7,8-HpCDD-13C	2.00	99
1,2,3,6,7,8-HxCDF	ND	-----	1.3		OCDD-13C	4.00	95
2,3,4,6,7,8-HxCDF	ND	-----	1.1				
1,2,3,7,8,9-HxCDF	ND	-----	2.0		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	1.5		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	1.6		2,3,7,8-TCDD-37Cl4	0.20	58
1,2,3,6,7,8-HxCDD	ND	-----	1.5				
1,2,3,7,8,9-HxCDD	ND	-----	1.4				
Total HxCDD	ND	-----	1.5				
1,2,3,4,6,7,8-HpCDF	-----	2.1	1.7	I			
1,2,3,4,7,8,9-HpCDF	ND	-----	2.2				
Total HpCDF	ND	-----	2.0				
1,2,3,4,6,7,8-HpCDD	8.8	-----	1.6	BJ			
Total HpCDD	17.0	-----	1.6	BJ			
OCDF	9.0	-----	2.1	BJ			
OCDD	110.0	-----	3.3	B			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....105646

REPORT OF LABORATORY ANALYSIS

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Tel: 612-607-1700
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Pace Analytical™

Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	IOA0028-01		
Lab Sample ID	105645001		
Filename	F50127A_08		
Injected By	MRO		
Total Amount Extracted	1030 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	01/03/2005
ICAL Date	11/29/2004	Received	01/04/2005
CCal Filename(s)	F50127A_02	Extracted	01/24/2005
Method Blank ID	BLANK-6202	Analyzed	01/27/2005 15:54

Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	4.0		2,3,7,8-TCDF-13C	2.00	39
Total TCDF	ND	-----	4.0		2,3,7,8-TCDD-13C	2.00	51
					1,2,3,7,8-PeCDF-13C	2.00	68
2,3,7,8-TCDD	ND	-----	3.4		2,3,4,7,8-PeCDF-13C	2.00	69
Total TCDD	ND	-----	3.4		1,2,3,7,8-PeCDD-13C	2.00	80
					1,2,3,4,7,8-HxCDF-13C	2.00	73
1,2,3,7,8-PeCDF	ND	-----	2.3		1,2,3,6,7,8-HxCDF-13C	2.00	89
2,3,4,7,8-PeCDF	ND	-----	1.4		2,3,4,6,7,8-HxCDF-13C	2.00	90
Total PeCDF	ND	-----	1.9		1,2,3,7,8,9-HxCDF-13C	2.00	78
					1,2,3,4,7,8-HxCDD-13C	2.00	71
1,2,3,7,8-PeCDD	ND	-----	2.3		1,2,3,6,7,8-HxCDD-13C	2.00	87
Total PeCDD	ND	-----	2.3		1,2,3,4,6,7,8-HpCDF-13C	2.00	80
					1,2,3,4,7,8,9-HpCDF-13C	2.00	72
1,2,3,4,7,8-HxCDF	ND	-----	2.3		1,2,3,4,6,7,8-HpCDD-13C	2.00	92
1,2,3,6,7,8-HxCDF	ND	-----	1.8		OCDD-13C	4.00	88
2,3,4,6,7,8-HxCDF	ND	-----	1.3				
1,2,3,7,8,9-HxCDF	ND	-----	1.5		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	1.7		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	2.2		2,3,7,8-TCDD-37Cl4	0.20	48
1,2,3,6,7,8-HxCDD	ND	-----	2.0				
1,2,3,7,8,9-HxCDD	ND	-----	1.4				
Total HxCDD	ND	-----	1.9				
1,2,3,4,6,7,8-HpCDF	11	-----	3.3	J			
1,2,3,4,7,8,9-HpCDF	ND	-----	1.8				
Total HpCDF	11	-----	2.5	J			
1,2,3,4,6,7,8-HpCDD	21	-----	1.9	J			
Total HpCDD	35	-----	1.9	J			
OCDF	79	-----	3.5	BJ			
OCDD	310	-----	3.0				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....105645

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

Pace Analytical™

Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	IOA0109-01		
Lab Sample ID	105775001		
Filename	F50127B_12		
Injected By	MRO		
Total Amount Extracted	1020 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	01/04/2005
ICAL Date	11/29/2004	Received	01/06/2005
CCal Filename(s)	F50127A_13	Extracted	01/24/2005
Method Blank ID	BLANK-6202	Analyzed	01/28/2005 06:11

Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	3.7		2,3,7,8-TCDF-13C	2.00	50
Total TCDF	ND	-----	3.7		2,3,7,8-TCDD-13C	2.00	65
					1,2,3,7,8-PeCDF-13C	2.00	82
2,3,7,8-TCDD	ND	-----	3.3		2,3,4,7,8-PeCDF-13C	2.00	80
Total TCDD	ND	-----	3.3		1,2,3,7,8-PeCDD-13C	2.00	94
					1,2,3,4,7,8-HxCDF-13C	2.00	75
1,2,3,7,8-PeCDF	ND	-----	1.8		1,2,3,6,7,8-HxCDF-13C	2.00	100
2,3,4,7,8-PeCDF	ND	-----	1.1		2,3,4,6,7,8-HxCDF-13C	2.00	91
Total PeCDF	ND	-----	1.4		1,2,3,7,8,9-HxCDF-13C	2.00	81
					1,2,3,4,7,8-HxCDD-13C	2.00	70
1,2,3,7,8-PeCDD	ND	-----	1.7		1,2,3,6,7,8-HxCDD-13C	2.00	95
Total PeCDD	ND	-----	1.7		1,2,3,4,6,7,8-HpCDF-13C	2.00	83
					1,2,3,4,7,8,9-HpCDF-13C	2.00	73
1,2,3,4,7,8-HxCDF	ND	-----	2.5		1,2,3,4,6,7,8-HpCDD-13C	2.00	94
1,2,3,6,7,8-HxCDF	ND	-----	1.6		OCDD-13C	4.00	88
2,3,4,6,7,8-HxCDF	ND	-----	1.5				
1,2,3,7,8,9-HxCDF	ND	-----	1.5		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	1.8		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	1.3		2,3,7,8-TCDD-37Cl4	0.20	62
1,2,3,6,7,8-HxCDD	ND	-----	1.6				
1,2,3,7,8,9-HxCDD	ND	-----	1.6				
Total HxCDD	ND	-----	1.5				
1,2,3,4,6,7,8-HpCDF	ND	-----	1.9				
1,2,3,4,7,8,9-HpCDF	ND	-----	2.1				
Total HpCDF	4.3	-----	2.0	J			
1,2,3,4,6,7,8-HpCDD	2.3	-----	1.7	BJ			
Total HpCDD	4.3	-----	1.7	BJ			
OCDF	6.8	-----	1.8	BJ			
OCDD	16.0	-----	2.5	BJ			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
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LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....105775

CALCULATED

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

Pace Analytical™

Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	IOA0108-01		
Lab Sample ID	105774001		
Filename	F50127A_12		
Injected By	MRO		
Total Amount Extracted	1040 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	01/04/2005
ICAL Date	11/29/2004	Received	01/06/2005
CCal Filename(s)	F50127A_02	Extracted	01/24/2005
Method Blank ID	BLANK-6202	Analyzed	01/27/2005 19:14

Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	3.4		2,3,7,8-TCDF-13C	2.00	45
Total TCDF	ND	-----	3.4		2,3,7,8-TCDD-13C	2.00	57
					1,2,3,7,8-PeCDF-13C	2.00	77
2,3,7,8-TCDD	ND	-----	3.3		2,3,4,7,8-PeCDF-13C	2.00	72
Total TCDD	ND	-----	3.3		1,2,3,7,8-PeCDD-13C	2.00	85
					1,2,3,4,7,8-HxCDF-13C	2.00	71
1,2,3,7,8-PeCDF	ND	-----	2.0		1,2,3,6,7,8-HxCDF-13C	2.00	95
2,3,4,7,8-PeCDF	ND	-----	1.2		2,3,4,6,7,8-HxCDF-13C	2.00	84
Total PeCDF	ND	-----	1.6		1,2,3,7,8,9-HxCDF-13C	2.00	78
					1,2,3,4,7,8-HxCDD-13C	2.00	67
1,2,3,7,8-PeCDD	ND	-----	1.7		1,2,3,6,7,8-HxCDD-13C	2.00	87
Total PeCDD	ND	-----	1.7		1,2,3,4,6,7,8-HpCDF-13C	2.00	79
					1,2,3,4,7,8,9-HpCDF-13C	2.00	73
1,2,3,4,7,8-HxCDF	1.6	-----	1.2	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	96
1,2,3,6,7,8-HxCDF	ND	-----	1.2		OCDD-13C	4.00	94
2,3,4,6,7,8-HxCDF	ND	-----	1.1				
1,2,3,7,8,9-HxCDF	ND	-----	1.6		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	1.6	-----	1.3	J	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	1.6		2,3,7,8-TCDD-37Cl4	0.20	57
1,2,3,6,7,8-HxCDD	ND	-----	1.8				
1,2,3,7,8,9-HxCDD	ND	-----	1.4				
Total HxCDD	ND	-----	1.6				
1,2,3,4,6,7,8-HpCDF	4.2	-----	1.2	J			
1,2,3,4,7,8,9-HpCDF	ND	-----	1.6				
Total HpCDF	24.0	-----	1.4	J			
1,2,3,4,6,7,8-HpCDD	6.4	-----	1.2	BJ			
Total HpCDD	6.4	-----	1.2	BJ			
OCDF	22.0	-----	2.6	BJ			
OCDD	38.0	-----	4.1	BJ			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
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D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....105774

REPORT OF LABORATORY ANALYSIS

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Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Pace Analytical™

Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	IOA0119-01		
Lab Sample ID	105772001		
Filename	F50127A_11		
Injected By	MRO		
Total Amount Extracted	1040 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	01/04/2005
ICAL Date	11/29/2004	Received	01/06/2005
CCal Filename(s)	F50127A_02	Extracted	01/24/2005
Method Blank ID	BLANK-6202	Analyzed	01/27/2005 18:24

Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	1.60		2,3,7,8-TCDF-13C	2.00	58
Total TCDF	2.5	-----	1.60	J	2,3,7,8-TCDD-13C	2.00	69
					1,2,3,7,8-PeCDF-13C	2.00	81
2,3,7,8-TCDD	ND	-----	2.00		2,3,4,7,8-PeCDF-13C	2.00	83
Total TCDD	ND	-----	2.00		1,2,3,7,8-PeCDD-13C	2.00	97
					1,2,3,4,7,8-HxCDF-13C	2.00	76
1,2,3,7,8-PeCDF	ND	-----	1.20		1,2,3,6,7,8-HxCDF-13C	2.00	92
2,3,4,7,8-PeCDF	ND	-----	0.85		2,3,4,6,7,8-HxCDF-13C	2.00	93
Total PeCDF	ND	-----	1.00		1,2,3,7,8,9-HxCDF-13C	2.00	82
					1,2,3,4,7,8-HxCDD-13C	2.00	74
1,2,3,7,8-PeCDD	ND	-----	1.40		1,2,3,6,7,8-HxCDD-13C	2.00	89
Total PeCDD	ND	-----	1.40		1,2,3,4,6,7,8-HpCDF-13C	2.00	86
					1,2,3,4,7,8,9-HpCDF-13C	2.00	78
1,2,3,4,7,8-HxCDF	ND	-----	1.50		1,2,3,4,6,7,8-HpCDD-13C	2.00	101
1,2,3,6,7,8-HxCDF	ND	-----	1.40		OCDD-13C	4.00	99
2,3,4,6,7,8-HxCDF	ND	-----	0.80				
1,2,3,7,8,9-HxCDF	ND	-----	0.59		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	1.10		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	1.30		2,3,7,8-TCDD-37Cl4	0.20	63
1,2,3,6,7,8-HxCDD	ND	-----	1.20				
1,2,3,7,8,9-HxCDD	ND	-----	1.30				
Total HxCDD	ND	-----	1.30				
1,2,3,4,6,7,8-HpCDF	2.3	-----	0.96	J			
1,2,3,4,7,8,9-HpCDF	ND	-----	0.95				
Total HpCDF	2.3	-----	0.95	J			
1,2,3,4,6,7,8-HpCDD	7.6	-----	1.20	BJ			
Total HpCDD	16.0	-----	1.20	BJ			
OCDF	9.4	-----	1.10	BJ			
OCDD	65.0	-----	2.30	BJ			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
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D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
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Report No.....105772

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Pace Analytical™

Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	IOA0110-01		
Lab Sample ID	105770001		
Filename	F50127B_13		
Injected By	MRO		
Total Amount Extracted	1020 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	01/04/2005
ICAL Date	11/29/2004	Received	01/06/2005
CCal Filename(s)	F50127A_13	Extracted	01/24/2005
Method Blank ID	BLANK-6202	Analyzed	01/28/2005 07:01

Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	1.50	2,3,7,8-TCDF-13C	2.00	64
Total TCDF	ND	-----	1.50	2,3,7,8-TCDD-13C	2.00	76
				1,2,3,7,8-PeCDF-13C	2.00	98
2,3,7,8-TCDD	ND	-----	1.30	2,3,4,7,8-PeCDF-13C	2.00	92
Total TCDD	ND	-----	1.30	1,2,3,7,8-PeCDD-13C	2.00	107
				1,2,3,4,7,8-HxCDF-13C	2.00	80
1,2,3,7,8-PeCDF	ND	-----	1.20	1,2,3,6,7,8-HxCDF-13C	2.00	93
2,3,4,7,8-PeCDF	ND	-----	0.95	2,3,4,6,7,8-HxCDF-13C	2.00	90
Total PeCDF	ND	-----	1.10	1,2,3,7,8,9-HxCDF-13C	2.00	83
				1,2,3,4,7,8-HxCDD-13C	2.00	78
1,2,3,7,8-PeCDD	ND	-----	1.40	1,2,3,6,7,8-HxCDD-13C	2.00	93
Total PeCDD	ND	-----	1.40	1,2,3,4,6,7,8-HpCDF-13C	2.00	82
				1,2,3,4,7,8,9-HpCDF-13C	2.00	73
1,2,3,4,7,8-HxCDF	ND	-----	0.93	1,2,3,4,6,7,8-HpCDD-13C	2.00	98
1,2,3,6,7,8-HxCDF	ND	-----	0.65	OCDD-13C	4.00	84
2,3,4,6,7,8-HxCDF	ND	-----	0.80			
1,2,3,7,8,9-HxCDF	ND	-----	0.93	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	0.83	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	1.10	2,3,7,8-TCDD-37Cl4	0.20	70
1,2,3,6,7,8-HxCDD	ND	-----	0.97			
1,2,3,7,8,9-HxCDD	ND	-----	1.10			
Total HxCDD	ND	-----	1.10			
1,2,3,4,6,7,8-HpCDF	59	-----	1.80			
1,2,3,4,7,8,9-HpCDF	ND	-----	2.10			
Total HpCDF	500	-----	2.00			
1,2,3,4,6,7,8-HpCDD	76	-----	2.10			
Total HpCDD	130	-----	2.10			
OCDF	1600	-----	2.80			
OCDD	2100	-----	4.50			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
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B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
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NC = Not Calculated
* = See Discussion

Report No.....105770

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Pace Analytical™

Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	IOA0111-01		
Lab Sample ID	105758001		
Filename	F50127A_07		
Injected By	MRO		
Total Amount Extracted	1040 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	01/04/2005
ICAL Date	11/29/2004	Received	01/06/2005
CCal Filename(s)	F50127A_02	Extracted	01/24/2005
Method Blank ID	BLANK-6202	Analyzed	01/27/2005 15:04

Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	2.1		2,3,7,8-TCDF-13C	2.00	72
Total TCDF	2.2	-----	2.1	J	2,3,7,8-TCDD-13C	2.00	83
					1,2,3,7,8-PeCDF-13C	2.00	80
2,3,7,8-TCDD	ND	-----	2.1		2,3,4,7,8-PeCDF-13C	2.00	82
Total TCDD	ND	-----	2.1		1,2,3,7,8-PeCDD-13C	2.00	91
					1,2,3,4,7,8-HxCDF-13C	2.00	78
1,2,3,7,8-PeCDF	ND	-----	1.4		1,2,3,6,7,8-HxCDF-13C	2.00	102
2,3,4,7,8-PeCDF	ND	-----	1.2		2,3,4,6,7,8-HxCDF-13C	2.00	93
Total PeCDF	ND	-----	1.3		1,2,3,7,8,9-HxCDF-13C	2.00	82
					1,2,3,4,7,8-HxCDD-13C	2.00	75
1,2,3,7,8-PeCDD	ND	-----	1.9		1,2,3,6,7,8-HxCDD-13C	2.00	89
Total PeCDD	ND	-----	1.9		1,2,3,4,6,7,8-HpCDF-13C	2.00	83
					1,2,3,4,7,8,9-HpCDF-13C	2.00	73
1,2,3,4,7,8-HxCDF	ND	-----	2.0		1,2,3,4,6,7,8-HpCDD-13C	2.00	98
1,2,3,6,7,8-HxCDF	ND	-----	1.6		OCDD-13C	4.00	91
2,3,4,6,7,8-HxCDF	ND	-----	1.6				
1,2,3,7,8,9-HxCDF	ND	-----	1.5		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	1.6		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	2.6		2,3,7,8-TCDD-37Cl4	0.20	80
1,2,3,6,7,8-HxCDD	ND	-----	2.0				
1,2,3,7,8,9-HxCDD	ND	-----	2.2				
Total HxCDD	ND	-----	2.3				
1,2,3,4,6,7,8-HpCDF	6.6	-----	1.5	J			
1,2,3,4,7,8,9-HpCDF	ND	-----	1.9				
Total HpCDF	6.6	-----	1.7	J			
1,2,3,4,6,7,8-HpCDD	20.0	-----	2.5	J			
Total HpCDD	41.0	-----	2.5	J			
OCDF	43.0	-----	2.8	BJ			
OCDD	220.0	-----	2.5	B			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
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D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....105758

REPORT OF LABORATORY ANALYSIS

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Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Pace Analytical™

Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	IOA0122-01		
Lab Sample ID	105779001		
Filename	F50127B_04		
Injected By	MRO		
Total Amount Extracted	980 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	01/04/2005
ICAL Date	11/29/2004	Received	01/06/2005
CCal Filename(s)	F50127A_13	Extracted	01/24/2005
Method Blank ID	BLANK-6202	Analyzed	01/27/2005 23:27

Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	2.6		2,3,7,8-TCDF-13C	2.00	47
Total TCDF	ND	-----	2.6		2,3,7,8-TCDD-13C	2.00	59
					1,2,3,7,8-PeCDF-13C	2.00	79
2,3,7,8-TCDD	ND	-----	2.7		2,3,4,7,8-PeCDF-13C	2.00	78
Total TCDD	ND	-----	2.7		1,2,3,7,8-PeCDD-13C	2.00	90
					1,2,3,4,7,8-HxCDF-13C	2.00	75
1,2,3,7,8-PeCDF	ND	-----	1.7		1,2,3,6,7,8-HxCDF-13C	2.00	98
2,3,4,7,8-PeCDF	ND	-----	2.1		2,3,4,6,7,8-HxCDF-13C	2.00	90
Total PeCDF	ND	-----	1.9		1,2,3,7,8,9-HxCDF-13C	2.00	81
					1,2,3,4,7,8-HxCDD-13C	2.00	73
1,2,3,7,8-PeCDD	ND	-----	2.2		1,2,3,6,7,8-HxCDD-13C	2.00	92
Total PeCDD	ND	-----	2.2		1,2,3,4,6,7,8-HpCDF-13C	2.00	81
					1,2,3,4,7,8,9-HpCDF-13C	2.00	73
1,2,3,4,7,8-HxCDF	ND	-----	1.4		1,2,3,4,6,7,8-HpCDD-13C	2.00	96
1,2,3,6,7,8-HxCDF	ND	-----	1.1		OCDD-13C	4.00	90
2,3,4,6,7,8-HxCDF	ND	-----	1.2				
1,2,3,7,8,9-HxCDF	ND	-----	1.6		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	1.3		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	1.5		2,3,7,8-TCDD-37Cl4	0.20	55
1,2,3,6,7,8-HxCDD	ND	-----	1.6				
1,2,3,7,8,9-HxCDD	ND	-----	1.8				
Total HxCDD	ND	-----	1.7				
1,2,3,4,6,7,8-HpCDF	-----	2.3	1.6	I			
1,2,3,4,7,8,9-HpCDF	ND	-----	1.9				
Total HpCDF	ND	-----	1.8				
1,2,3,4,6,7,8-HpCDD	9.0	-----	1.8	BJ			
Total HpCDD	18.0	-----	1.8	BJ			
OCDF	12.0	-----	2.4	BJ			
OCDD	110.0	-----	2.7	B			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
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NC = Not Calculated
* = See Discussion

Report No.....105779

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Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Pace Analytical™

Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	IOA0458-01		
Lab Sample ID	106048001		
Filename	F50127B_08		
Injected By	MRO		
Total Amount Extracted	963 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	01/10/2005
ICAL Date	11/29/2004	Received	01/12/2005
CCal Filename(s)	F50127A_13	Extracted	01/24/2005
Method Blank ID	BLANK-6202	Analyzed	01/28/2005 02:49

Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	3.5		2,3,7,8-TCDF-13C	2.00	47
Total TCDF	ND	-----	3.5		2,3,7,8-TCDD-13C	2.00	59
					1,2,3,7,8-PeCDF-13C	2.00	72
2,3,7,8-TCDD	ND	-----	3.1		2,3,4,7,8-PeCDF-13C	2.00	77
Total TCDD	ND	-----	3.1		1,2,3,7,8-PeCDD-13C	2.00	91
					1,2,3,4,7,8-HxCDF-13C	2.00	75
1,2,3,7,8-PeCDF	ND	-----	2.3		1,2,3,6,7,8-HxCDF-13C	2.00	97
2,3,4,7,8-PeCDF	ND	-----	1.1		2,3,4,6,7,8-HxCDF-13C	2.00	89
Total PeCDF	ND	-----	1.7		1,2,3,7,8,9-HxCDF-13C	2.00	80
					1,2,3,4,7,8-HxCDD-13C	2.00	72
1,2,3,7,8-PeCDD	ND	-----	2.4		1,2,3,6,7,8-HxCDD-13C	2.00	96
Total PeCDD	ND	-----	2.4		1,2,3,4,6,7,8-HpCDF-13C	2.00	85
					1,2,3,4,7,8,9-HpCDF-13C	2.00	73
1,2,3,4,7,8-HxCDF	ND	-----	1.4		1,2,3,4,6,7,8-HpCDD-13C	2.00	98
1,2,3,6,7,8-HxCDF	ND	-----	1.0		OCDD-13C	4.00	83
2,3,4,6,7,8-HxCDF	ND	-----	1.1				
1,2,3,7,8,9-HxCDF	ND	-----	1.3		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	1.2		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	1.6		2,3,7,8-TCDD-37Cl4	0.20	58
1,2,3,6,7,8-HxCDD	ND	-----	1.3				
1,2,3,7,8,9-HxCDD	ND	-----	1.3				
Total HxCDD	ND	-----	1.4				
1,2,3,4,6,7,8-HpCDF	ND	-----	1.7				
1,2,3,4,7,8,9-HpCDF	ND	-----	1.5				
Total HpCDF	6.4	-----	1.6	J			
1,2,3,4,6,7,8-HpCDD	-----	2.8	1.7	I			
Total HpCDD	ND	-----	1.7				
OCDF	9.1	-----	2.7	BJ			
OCDD	29.0	-----	3.3	BJ			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....106048

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	IOA0460-01		
Lab Sample ID	106050001		
Filename	F50127B_09		
Injected By	MRO		
Total Amount Extracted	1030 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	01/10/2005
ICAL Date	11/29/2004	Received	01/12/2005
CCal Filename(s)	F50127A_13	Extracted	01/24/2005
Method Blank ID	BLANK-6202	Analyzed	01/28/2005 03:39

Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	3.0		2,3,7,8-TCDF-13C	2.00	44
Total TCDF	ND	-----	3.0		2,3,7,8-TCDD-13C	2.00	56
					1,2,3,7,8-PeCDF-13C	2.00	68
2,3,7,8-TCDD	ND	-----	3.3		2,3,4,7,8-PeCDF-13C	2.00	72
Total TCDD	ND	-----	3.3		1,2,3,7,8-PeCDD-13C	2.00	85
					1,2,3,4,7,8-HxCDF-13C	2.00	72
1,2,3,7,8-PeCDF	ND	-----	2.5		1,2,3,6,7,8-HxCDF-13C	2.00	96
2,3,4,7,8-PeCDF	ND	-----	1.9		2,3,4,6,7,8-HxCDF-13C	2.00	92
Total PeCDF	ND	-----	2.2		1,2,3,7,8,9-HxCDF-13C	2.00	81
					1,2,3,4,7,8-HxCDD-13C	2.00	70
1,2,3,7,8-PeCDD	ND	-----	3.5		1,2,3,6,7,8-HxCDD-13C	2.00	92
Total PeCDD	ND	-----	3.5		1,2,3,4,6,7,8-HpCDF-13C	2.00	83
					1,2,3,4,7,8,9-HpCDF-13C	2.00	73
1,2,3,4,7,8-HxCDF	ND	-----	1.7		1,2,3,4,6,7,8-HpCDD-13C	2.00	95
1,2,3,6,7,8-HxCDF	ND	-----	1.5		OCDD-13C	4.00	84
2,3,4,6,7,8-HxCDF	ND	-----	1.2				
1,2,3,7,8,9-HxCDF	ND	-----	1.4		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	1.5		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	2.3		2,3,7,8-TCDD-37Cl4	0.20	56
1,2,3,6,7,8-HxCDD	ND	-----	1.5				
1,2,3,7,8,9-HxCDD	ND	-----	1.9				
Total HxCDD	ND	-----	1.9				
1,2,3,4,6,7,8-HpCDF	ND	-----	2.7				
1,2,3,4,7,8,9-HpCDF	ND	-----	2.1				
Total HpCDF	ND	-----	2.4				
1,2,3,4,6,7,8-HpCDD	6.5	-----	1.2	BJ			
Total HpCDD	13.0	-----	1.2	BJ			
OCDF	3.6	-----	1.4	BJ			
OCDD	85.0	-----	2.7	BJ			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....106050

REPORT OF LABORATORY ANALYSIS

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LEVEL IV

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	IOA0464-01		
Lab Sample ID	106052001		
Filename	F50127B_11		
Injected By	MRO		
Total Amount Extracted	1040 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	01/10/2005
ICAL Date	11/29/2004	Received	01/12/2005
CCal Filename(s)	F50127A_13	Extracted	01/24/2005
Method Blank ID	BLANK-6202	Analyzed	01/28/2005 05:20

Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	2.20		2,3,7,8-TCDF-13C	2.00	61
Total TCDF	ND	-----	2.20		2,3,7,8-TCDD-13C	2.00	73
					1,2,3,7,8-PeCDF-13C	2.00	84
2,3,7,8-TCDD	ND	-----	3.00		2,3,4,7,8-PeCDF-13C	2.00	80
Total TCDD	ND	-----	3.00		1,2,3,7,8-PeCDD-13C	2.00	93
					1,2,3,4,7,8-HxCDF-13C	2.00	75
1,2,3,7,8-PeCDF	ND	-----	1.90		1,2,3,6,7,8-HxCDF-13C	2.00	100
2,3,4,7,8-PeCDF	ND	-----	1.40		2,3,4,6,7,8-HxCDF-13C	2.00	88
Total PeCDF	ND	-----	1.70		1,2,3,7,8,9-HxCDF-13C	2.00	80
					1,2,3,4,7,8-HxCDD-13C	2.00	69
1,2,3,7,8-PeCDD	ND	-----	2.20		1,2,3,6,7,8-HxCDD-13C	2.00	94
Total PeCDD	ND	-----	2.20		1,2,3,4,6,7,8-HpCDF-13C	2.00	81
					1,2,3,4,7,8,9-HpCDF-13C	2.00	71
1,2,3,4,7,8-HxCDF	ND	-----	1.60		1,2,3,4,6,7,8-HpCDD-13C	2.00	94
1,2,3,6,7,8-HxCDF	ND	-----	0.94		OCDD-13C	4.00	85
2,3,4,6,7,8-HxCDF	ND	-----	1.00				
1,2,3,7,8,9-HxCDF	ND	-----	1.10		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	1.20		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	1.50		2,3,7,8-TCDD-37Cl4	0.20	67
1,2,3,6,7,8-HxCDD	ND	-----	1.40				
1,2,3,7,8,9-HxCDD	ND	-----	1.50				
Total HxCDD	3.2	-----	1.50	J			
1,2,3,4,6,7,8-HpCDF	ND	-----	1.20				
1,2,3,4,7,8,9-HpCDF	ND	-----	1.70				
Total HpCDF	2.8	-----	1.40	J			
1,2,3,4,6,7,8-HpCDD	7.8	-----	1.70	BJ			
Total HpCDD	15.0	-----	1.70	BJ			
OCDF	-----	4.0	2.20	I			
OCDD	260.0	-----	2.30				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....106052

REPORT OF LABORATORY ANALYSIS

LEVEL IV

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

Pace Analytical™

Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	IOA0466-01		
Lab Sample ID	106051001		
Filename	F50127B_10		
Injected By	MRO		
Total Amount Extracted	1030 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	01/10/2005
ICAL Date	11/29/2004	Received	01/12/2005
CCal Filename(s)	F50127A_13	Extracted	01/24/2005
Method Blank ID	BLANK-6202	Analyzed	01/28/2005 04:30

Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	2.4		2,3,7,8-TCDF-13C	2.00	70
Total TCDF	ND	-----	2.4		2,3,7,8-TCDD-13C	2.00	82
					1,2,3,7,8-PeCDF-13C	2.00	92
2,3,7,8-TCDD	ND	-----	1.9		2,3,4,7,8-PeCDF-13C	2.00	88
Total TCDD	ND	-----	1.9		1,2,3,7,8-PeCDD-13C	2.00	102
					1,2,3,4,7,8-HxCDF-13C	2.00	82
1,2,3,7,8-PeCDF	ND	-----	1.5		1,2,3,6,7,8-HxCDF-13C	2.00	102
2,3,4,7,8-PeCDF	ND	-----	1.0		2,3,4,6,7,8-HxCDF-13C	2.00	97
Total PeCDF	ND	-----	1.3		1,2,3,7,8,9-HxCDF-13C	2.00	83
					1,2,3,4,7,8-HxCDD-13C	2.00	77
1,2,3,7,8-PeCDD	ND	-----	2.1		1,2,3,6,7,8-HxCDD-13C	2.00	93
Total PeCDD	ND	-----	2.1		1,2,3,4,6,7,8-HpCDF-13C	2.00	86
					1,2,3,4,7,8,9-HpCDF-13C	2.00	76
1,2,3,4,7,8-HxCDF	ND	-----	1.2		1,2,3,4,6,7,8-HpCDD-13C	2.00	100
1,2,3,6,7,8-HxCDF	ND	-----	1.1		OCDD-13C	4.00	90
2,3,4,6,7,8-HxCDF	ND	-----	1.3				
1,2,3,7,8,9-HxCDF	ND	-----	2.2		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	1.5		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	1.7		2,3,7,8-TCDD-37Cl4	0.20	78
1,2,3,6,7,8-HxCDD	ND	-----	1.3				
1,2,3,7,8,9-HxCDD	ND	-----	2.0				
Total HxCDD	3.7	-----	1.7	J			
1,2,3,4,6,7,8-HpCDF	-----	3.9	1.3	I			
1,2,3,4,7,8,9-HpCDF	ND	-----	1.9				
Total HpCDF	ND	-----	1.6				
1,2,3,4,6,7,8-HpCDD	18.0	-----	1.8	BJ			
Total HpCDD	66.0	-----	1.8				
OCDF	18.0	-----	2.2	BJ			
OCDD	280.0	-----	3.9				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....106051

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	IOA0131-01		
Lab Sample ID	105773001		
Filename	F50127B_03		
Injected By	MRO		
Total Amount Extracted	1040 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	01/05/2005
ICAL Date	11/29/2004	Received	01/06/2005
CCal Filename(s)	F50127A_13	Extracted	01/24/2005
Method Blank ID	BLANK-6202	Analyzed	01/27/2005 22:36

Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	2.30		2,3,7,8-TCDF-13C	2.00	59
Total TCDF	ND	-----	2.30		2,3,7,8-TCDD-13C	2.00	68
					1,2,3,7,8-PeCDF-13C	2.00	81
2,3,7,8-TCDD	ND	-----	3.10		2,3,4,7,8-PeCDF-13C	2.00	77
Total TCDD	ND	-----	3.10		1,2,3,7,8-PeCDD-13C	2.00	89
					1,2,3,4,7,8-HxCDF-13C	2.00	76
1,2,3,7,8-PeCDF	ND	-----	2.60		1,2,3,6,7,8-HxCDF-13C	2.00	103
2,3,4,7,8-PeCDF	ND	-----	1.20		2,3,4,6,7,8-HxCDF-13C	2.00	95
Total PeCDF	ND	-----	1.90		1,2,3,7,8,9-HxCDF-13C	2.00	83
					1,2,3,4,7,8-HxCDD-13C	2.00	74
1,2,3,7,8-PeCDD	ND	-----	1.50		1,2,3,6,7,8-HxCDD-13C	2.00	97
Total PeCDD	ND	-----	1.50		1,2,3,4,6,7,8-HpCDF-13C	2.00	83
					1,2,3,4,7,8,9-HpCDF-13C	2.00	73
1,2,3,4,7,8-HxCDF	ND	-----	1.30		1,2,3,4,6,7,8-HpCDD-13C	2.00	96
1,2,3,6,7,8-HxCDF	ND	-----	1.10		OCDD-13C	4.00	92
2,3,4,6,7,8-HxCDF	ND	-----	0.87				
1,2,3,7,8,9-HxCDF	ND	-----	1.50		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	1.20		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	1.50		2,3,7,8-TCDD-37Cl4	0.20	64
1,2,3,6,7,8-HxCDD	ND	-----	1.20				
1,2,3,7,8,9-HxCDD	ND	-----	1.70				
Total HxCDD	ND	-----	1.50				
1,2,3,4,6,7,8-HpCDF	2.1	-----	1.90	J			
1,2,3,4,7,8,9-HpCDF	ND	-----	2.90				
Total HpCDF	7.4	-----	2.40	J			
1,2,3,4,6,7,8-HpCDD	7.1	-----	2.20	BJ			
Total HpCDD	17.0	-----	2.20	BJ			
OCDF	-----	6.3	2.10	I			
OCDD	83.0	-----	2.70	BJ			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....105773

REPORT OF LABORATORY ANALYSIS

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CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Laboratory Pace
Reviewer H. Chang
Analysis/Method Dioxin&Furans/1613

Package ID T711DF15
Task Order 313150010
SDG No. INL1654
No. of Analyses 10

Date: January 19, 2005
Reviewer's Signature

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Several detects were qualified "UJ" for blank contamination.
Holding Times	Detects below the calibration range were qualified "J"
GC/MS Tune/Inst. Perform	EMPCs were qualified "UJ."
Calibrations	
Blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification and Quantitation	
System Performance	

COMMENTS[b]

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.

[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

DATA VALIDATION REPORT

NPDES
Monitoring

ANALYSIS: DIOXINS/FURANS

SAMPLE DELIVERY GROUPS: INL1654, INL1655, INL1656, INL1657, INL1756, INL1761, INL1762, INL1763, INL1764, INL1766

Prepared by

AMEC—Denver Operations
550 South Wadsworth Boulevard, Suite 500
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010
Sample Delivery Group #:	INL1654, INL1655, INL1656, INL1657, INL1756, INL1761, INL1762, INL1763, INL1764, INL1766
Project Manager:	B. McIlvaine
Matrix:	Water
Analysis:	Dioxins/Furans
QC Level:	Level IV
No. of Samples:	10
No. of Reanalyses/Dilutions:	0
Reviewer:	H. Chang
Date of Review:	January 19, 2005

The samples listed in Table 1 were validated based on the guidelines outlined in the *AMEC Data Validation Procedure for Dioxins and Furans (DVP-19, Rev. 1), EPA Method 1613, and the National National Functional Guidelines For Chlorinated Dioxin/Furan Data Review* (8/02). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Client ID	Laboratory ID (Del Mar)	Laboratory ID (Pace)	Matrix	COC Method
Outfall 005	INL1654-01	105447001	water	1613
Outfall 006	INL1655-01	105450001	water	1613
Outfall 004	INL1656-01	105451001	water	1613
Outfall 003	INL1657-01	105454001	water	1613
Outfall 018	INL1756-01	105539001	water	1613
Outfall 007	INL1761-01	105540001	water	1613
Outfall 009	INL1762-01	105541001	water	1613
Outfall 001	INL1763-01	105543001	water	1613
Outfall 002	INL1764-01	105545001	water	1613
Outfall 011	INL1766-01	105547001	water	1613

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The samples in these SDGs were received at both Del Mar and Pace Analytical Services within the temperature limits of 4°C ±2°C. The samples were received in good condition at Del Mar. No other the sample receipt information was provided by Pace. No qualifications were required.

2.1.2 Chain of Custody

The COCs were signed by field and laboratory personnel, and accounted for the analysis presented in these SDGs. The COC indicated that the sample integrity was intact at Del Mar. There was no information regarding custody seals at Pace. No qualifications were required.

2.1.3 Holding Times

The samples were extracted and analyzed within a year of collection. No qualifications were required.

2.2 INSTRUMENT PERFORMANCE

Following are findings associated with instrument performance:

2.2.1 GC Column Performance

A column performance standard was combined with the daily calibration verification and analyzed at the beginning of each analytical sequence. The GC column performance was acceptable with the chromatographic separation of 2,3,7,8-TCDD and other TCDD isomers resolved with a valley of ≤25%. No qualifications were required.

2.2.2 Mass Spectrometer Performance

The mass spectrometer performance could not be evaluated as the laboratory did not provide selected ion current profiles for the lock-mass ions. No qualifications were required.

2.3 CALIBRATION

2.3.1 Initial Calibration

There was one initial calibration, analyzed 11/29/04 on Instrument 10MSHR05. The calibrations consisted of five concentration level standards (CS1 through CS5) analyzed to verify instrument linearity.

The initial calibration was acceptable with %RSDs ≤20% for the 15 native compounds (calibration by isotope dilution) and ≤35% for the 2 native and all labeled compounds (calibration by internal standard). The relative retention times and ion abundance ratios were within the QC limits listed in Method 1613 for all standards. A representative number of %RSDs were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

2.3.2 Continuing Calibration

Calibration verification (VER) consisted of a mid-level standard (CS3) analyzed at the beginning of each analytical sequence. There was one VER associated with the samples. The VER was acceptable with the concentrations within the acceptance criteria listed in the Table 6 of the EPA Method 1613. The ion abundance ratios and relative retention times were within the method QC limits. A representative number of %Ds were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

2.4 BLANKS

One method blank (Blank-6123) was extracted and analyzed with the samples in these SDGs. There were detects for 1,2,3,7,8-PeCDF, total PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 2,3,4,6,7,8-HxCDF, 1,2,3,7,8,9-HxCDF, total HxCDF, 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, total HxCDD, 1,2,3,4,6,7,8-HpCDF, total HpCDF, OCDF, and OCDD. 2,3,4,7,8-PeCDF, 1,2,3,7,8-PeCDD, 1,2,3,4,7,8-HxCDD, 1,2,3,4,6,7,8-HpCDD were reported as EMPCs. The following compounds were qualified as estimated nondetects, "UJ," in the samples listed:

Outfall 005: 1,2,3,4,7,8-HxCDF, total HxCDF, OCDD, OCDF
Outfall 006: 1,2,3,4,7,8-HxCDF, 1,2,3,7,8,9-HxCDF, total HxCDF, OCDD, OCDF
Outfall 004: 1,2,3,4,7,8-HxCDF, total HxCDF, OCDD, OCDF
Outfall 003: 1,2,3,4,7,8-HxCDF, 1,2,3,7,8,9-HxCDD, total HxCDD, OCDF
Outfall 018: OCDF
Outfall 009: OCDF
Outfall 001: OCDF
Outfall 002: 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, OCDF
Outfall 011: 1,2,3,4,7,8-HxCDF, 1,2,3,7,8,9-HxCDD, OCDF

2.5 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

One pair of LCS/LCSD (LCS-6124/LCSD-6125) was extracted and analyzed with the samples in these SDGs. All recoveries were within the acceptance criteria listed in Table 6 of the Method 1613. There were no QC limits established for RPDs. The reported RPDs were within ±20%. No qualifications were required.

2.6 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MS/MSD analyses were not performed in these SDGs. Evaluation of method accuracy and precision was based on the LCS/LCSD results. No qualifications were required.

2.7 FIELD QC SAMPLES

Following are findings associated with field QC:

2.7.1 Field Blanks and Equipment Rinsates

The samples in these SDGs had no associated field QC samples. No qualifications were required.

2.7.2 Field Duplicates

No field duplicate was identified in these SDGs. No qualifications were required.

2.8 INTERNAL STANDARDS

The labeled standard recoveries were within the acceptance criteria listed in Table 7 of Method 1613. No qualifications were required.

2.9 COMPOUND IDENTIFICATION

The laboratory analyzed for polychlorinated dioxins/furans by EPA Method 1613. The compound identifications were verified from the raw data and no false negatives or positives were noted. No qualifications were required.

2.10 COMPOUND QUANTIFICATION AND REPORTED DETECTION LIMITS

Compound quantitation was verified from the raw data. The laboratory calculated and reported compound-specific detection limits. All detects below the lower method calibration limit (MCL) were qualified as estimated, "J." All EMPCs were qualified as estimated nondetects, "UJ." No further qualifications were required.

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Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	INL1654-01 Outfall 005		
Lab Sample ID	105454001		
Filename	F50113A_10		
Injected By	MRO		
Total Amount Extracted	1050 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	12/27/2004
ICAL Date	11/29/2004	Received	12/29/2004
CCal Filename(s)	F50113A_02	Extracted	01/11/2005
Method Blank ID	BLANK-6123	Analyzed	01/13/2005 16:46

Rev Qual	Qual Code	Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
U		2,3,7,8-TCDF	ND	-----	1.00		2,3,7,8-TCDF-13C	2.00	70
		Total TCDF	ND	-----	1.00		2,3,7,8-TCDD-13C	2.00	81
							1,2,3,7,8-PeCDF-13C	2.00	75
		2,3,7,8-TCDD	ND	-----	0.91		2,3,4,7,8-PeCDF-13C	2.00	83
		Total TCDD	ND	-----	0.91		1,2,3,7,8-PeCDD-13C	2.00	94
							1,2,3,4,7,8-HxCDF-13C	2.00	84
		1,2,3,7,8-PeCDF	ND	-----	0.91		1,2,3,6,7,8-HxCDF-13C	2.00	66
		2,3,4,7,8-PeCDF	ND	-----	0.67		2,3,4,6,7,8-HxCDF-13C	2.00	75
		Total PeCDF	ND	-----	0.79		1,2,3,7,8,9-HxCDF-13C	2.00	77
							1,2,3,4,7,8-HxCDD-13C	2.00	74
		1,2,3,7,8-PeCDD	ND	-----	1.00		1,2,3,6,7,8-HxCDD-13C	2.00	75
		Total PeCDD	ND	-----	1.00		1,2,3,4,6,7,8-HpCDF-13C	2.00	68
							1,2,3,4,7,8,9-HpCDF-13C	2.00	59
UJ	B	1,2,3,4,7,8-HxCDF	0.68	-----	0.66	BJ	1,2,3,4,6,7,8-HpCDD-13C	2.00	72
U		1,2,3,6,7,8-HxCDF	ND	-----	1.10		OCDD-13C	4.00	69
U		2,3,4,6,7,8-HxCDF	ND	-----	0.84				
U		1,2,3,7,8,9-HxCDF	ND	-----	0.64		1,2,3,4-TCDD-13C	2.00	NA
UJ	B	Total HxCDF	0.68	-----	0.81	BJ	1,2,3,7,8,9-HxCDD-13C	2.00	NA
U		1,2,3,4,7,8-HxCDD	ND	-----	0.75		2,3,7,8-TCDD-37Cl4	0.20	86
		1,2,3,6,7,8-HxCDD	ND	-----	0.89				
		1,2,3,7,8,9-HxCDD	ND	-----	0.94				
		Total HxCDD	ND	-----	0.86				
U		1,2,3,4,6,7,8-HpCDF	ND	-----	0.96				
U		1,2,3,4,7,8,9-HpCDF	ND	-----	1.10				
J	DNQ	Total HpCDF	1.20	-----	1.00	BJ			
J	DNQ	1,2,3,4,6,7,8-HpCDD	1.80	-----	0.94	J			
J	DNQ	Total HpCDD	3.00	-----	0.94	BJ			
UJ	B	OCDF	4.40	-----	1.10	BJ			
UJ	B	OCDD	12.00	-----	1.80	BJ			

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LEVEL IV

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....105454

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
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Tel: 612-607-1700
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Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	INL1655-01 Outfall 006		
Lab Sample ID	105447001		
Filename	F50113A_07		
Injected By	MRO		
Total Amount Extracted	1000 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	12/27/2004
ICAL Date	11/29/2004	Received	12/29/2004
CCal Filename(s)	F50113A_02	Extracted	01/11/2005
Method Blank ID	BLANK-6123	Analyzed	01/13/2005 14:15

Rev Qual	Qual Code	Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
U		2,3,7,8-TCDF	ND	-----	0.73		2,3,7,8-TCDF-13C	2.00	69
		Total TCDF	ND	-----	0.73		2,3,7,8-TCDD-13C	2.00	79
							1,2,3,7,8-PeCDF-13C	2.00	77
		2,3,7,8-TCDD	ND	-----	0.78		2,3,4,7,8-PeCDF-13C	2.00	82
		Total TCDD	ND	-----	0.78		1,2,3,7,8-PeCDD-13C	2.00	94
							1,2,3,4,7,8-HxCDF-13C	2.00	82
		1,2,3,7,8-PeCDF	ND	-----	1.10		1,2,3,6,7,8-HxCDF-13C	2.00	54
		2,3,4,7,8-PeCDF	ND	-----	0.54		2,3,4,6,7,8-HxCDF-13C	2.00	73
		Total PeCDF	ND	-----	0.83		1,2,3,7,8,9-HxCDF-13C	2.00	76
							1,2,3,4,7,8-HxCDD-13C	2.00	75
		1,2,3,7,8-PeCDD	ND	-----	0.85		1,2,3,6,7,8-HxCDD-13C	2.00	71
		Total PeCDD	ND	-----	0.85		1,2,3,4,6,7,8-HpCDF-13C	2.00	68
							1,2,3,4,7,8,9-HpCDF-13C	2.00	60
UJ	B	1,2,3,4,7,8-HxCDF	0.98	-----	0.43	BJ	1,2,3,4,6,7,8-HpCDD-13C	2.00	74
U		1,2,3,6,7,8-HxCDF	ND	-----	0.84		OCDD-13C	4.00	71
U		2,3,4,6,7,8-HxCDF	ND	-----	0.51				
UJ	B	1,2,3,7,8,9-HxCDF	0.77	-----	0.40	BJ	1,2,3,4-TCDD-13C	2.00	NA
UJ	B	Total HxCDF	1.80	-----	0.54	BJ	1,2,3,7,8,9-HxCDD-13C	2.00	NA
U		1,2,3,4,7,8-HxCDD	ND	-----	0.53		2,3,7,8-TCDD-37Cl4	0.20	77
		1,2,3,6,7,8-HxCDD	ND	-----	0.62				
		1,2,3,7,8,9-HxCDD	ND	-----	0.79				
		Total HxCDD	ND	-----	0.65				
UJ	~~X10~~	1,2,3,4,6,7,8-HpCDF	-----	1.1	0.63	I			
U		1,2,3,4,7,8,9-HpCDF	ND	-----	0.87				
J	~~X10~~	Total HpCDF	1.50	-----	0.75	BJ			
J	DNQ	1,2,3,4,6,7,8-HpCDD	2.80	-----	0.69	J			
J	DNQ	Total HpCDD	5.30	-----	0.69	BJ			
UJ	B	OCDF	4.70	-----	1.20	BJ			
UJ	B	OCDD	23.00	-----	1.10	BJ			

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LEVEL IV

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....105447

REPORT OF LABORATORY ANALYSIS

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Tel: 612-607-1700
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Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	INL1656-01 Outfall 004		
Lab Sample ID	105451001		
Filename	F50113A_09		
Injected By	MRO		
Total Amount Extracted	1010 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	12/27/2004
ICAL Date	11/29/2004	Received	12/29/2004
CCal Filename(s)	F50113A_02	Extracted	01/11/2005
Method Blank ID	BLANK-6123	Analyzed	01/13/2005 15:56

Rev Qual	Qual Code	Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
U		2,3,7,8-TCDF	ND	-----	0.77		2,3,7,8-TCDF-13C	2.00	69
J	DNQ	Total TCDF	0.82	-----	0.77	J	2,3,7,8-TCDD-13C	2.00	80
							1,2,3,7,8-PeCDF-13C	2.00	75
U		2,3,7,8-TCDD	ND	-----	0.71		2,3,4,7,8-PeCDF-13C	2.00	81
U		Total TCDD	ND	-----	0.71		1,2,3,7,8-PeCDD-13C	2.00	92
							1,2,3,4,7,8-HxCDF-13C	2.00	82
U		1,2,3,7,8-PeCDF	ND	-----	1.00		1,2,3,6,7,8-HxCDF-13C	2.00	65
↓		2,3,4,7,8-PeCDF	ND	-----	0.61		2,3,4,6,7,8-HxCDF-13C	2.00	72
		Total PeCDF	ND	-----	0.80		1,2,3,7,8,9-HxCDF-13C	2.00	75
							1,2,3,4,7,8-HxCDD-13C	2.00	74
U		1,2,3,7,8-PeCDD	ND	-----	0.81		1,2,3,6,7,8-HxCDD-13C	2.00	71
U		Total PeCDD	ND	-----	0.81		1,2,3,4,6,7,8-HpCDF-13C	2.00	65
							1,2,3,4,7,8,9-HpCDF-13C	2.00	58
UJ	B	1,2,3,4,7,8-HxCDF	0.93	-----	0.70	BJ	1,2,3,4,6,7,8-HpCDD-13C	2.00	70
U		1,2,3,6,7,8-HxCDF	ND	-----	0.96		OCDD-13C	4.00	68
↓		2,3,4,6,7,8-HxCDF	ND	-----	0.66				
		1,2,3,7,8,9-HxCDF	ND	-----	0.72		1,2,3,4-TCDD-13C	2.00	NA
UJ	B	Total HxCDF	0.93	-----	0.76	BJ	1,2,3,7,8,9-HxCDD-13C	2.00	NA
U		1,2,3,4,7,8-HxCDD	ND	-----	0.74		2,3,7,8-TCDD-37Cl4	0.20	79
↓		1,2,3,6,7,8-HxCDD	ND	-----	0.82				
		1,2,3,7,8,9-HxCDD	ND	-----	0.65				
		Total HxCDD	ND	-----	0.74				
J	DNQ	1,2,3,4,6,7,8-HpCDF	0.87	-----	0.64	J			
U		1,2,3,4,7,8,9-HpCDF	ND	-----	1.20				
J	DNQ	Total HpCDF	0.87	-----	0.93	BJ			
UJ	*ID	1,2,3,4,6,7,8-HpCDD	-----	1.4	0.77	I			
J	DNQ	Total HpCDD	1.70	-----	0.77	BJ			
UJ	B	OCDF	2.60	-----	0.77	BJ			
UJ	B	OCDD	9.80	-----	2.00	BJ			

AMEC VALIDATED

LEVEL IV

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....105451

REPORT OF LABORATORY ANALYSIS

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Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	INL1657-01 Outfall 003		
Lab Sample ID	105450001		
Filename	F50113A_08		
Injected By	MRO		
Total Amount Extracted	1050 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	12/27/2004
ICAL Date	11/29/2004	Received	12/29/2004
CCal Filename(s)	F50113A_02	Extracted	01/11/2005
Method Blank ID	BLANK-6123	Analyzed	01/13/2005 15:05

Rev Qual	Qual Code	Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
U		2,3,7,8-TCDF	ND	-----	0.87		2,3,7,8-TCDF-13C	2.00	72
		Total TCDF	ND	-----	0.87		2,3,7,8-TCDD-13C	2.00	82
							1,2,3,7,8-PeCDF-13C	2.00	79
		2,3,7,8-TCDD	ND	-----	0.97		2,3,4,7,8-PeCDF-13C	2.00	84
		Total TCDD	ND	-----	0.97		1,2,3,7,8-PeCDD-13C	2.00	97
							1,2,3,4,7,8-HxCDF-13C	2.00	86
		1,2,3,7,8-PeCDF	ND	-----	0.70		1,2,3,6,7,8-HxCDF-13C	2.00	63
		2,3,4,7,8-PeCDF	ND	-----	0.64		2,3,4,6,7,8-HxCDF-13C	2.00	76
		Total PeCDF	ND	-----	0.67		1,2,3,7,8,9-HxCDF-13C	2.00	78
							1,2,3,4,7,8-HxCDD-13C	2.00	80
		1,2,3,7,8-PeCDD	ND	-----	1.10		1,2,3,6,7,8-HxCDD-13C	2.00	73
		Total PeCDD	ND	-----	1.10		1,2,3,4,6,7,8-HpCDF-13C	2.00	69
							1,2,3,4,7,8,9-HpCDF-13C	2.00	62
UJ	B	1,2,3,4,7,8-HxCDF	0.99	-----	0.53	BJ	1,2,3,4,6,7,8-HpCDD-13C	2.00	76
U		1,2,3,6,7,8-HxCDF	ND	-----	0.71		OCDD-13C	4.00	72
		2,3,4,6,7,8-HxCDF	ND	-----	0.75				
		1,2,3,7,8,9-HxCDF	ND	-----	0.71		1,2,3,4-TCDD-13C	2.00	NA
J	DNQ	Total HxCDF	2.20	-----	0.67	BJ	1,2,3,7,8,9-HxCDD-13C	2.00	NA
UJ	*10	1,2,3,4,7,8-HxCDD	-----	0.47	0.46	I	2,3,7,8-TCDD-37Cl4	0.20	80
UJ	*10	1,2,3,6,7,8-HxCDD	-----	0.95	0.57	I			
UJ	B	1,2,3,7,8,9-HxCDD	1.00	-----	0.47	BJ			
UJ	B	Total HxCDD	1.00	-----	0.50	BJ			
J	DNQ	1,2,3,4,6,7,8-HpCDF	1.90	-----	0.52	J			
U		1,2,3,4,7,8,9-HpCDF	ND	-----	0.72				
J	DNQ	Total HpCDF	3.70	-----	0.62	BJ			
J	DNQ	1,2,3,4,6,7,8-HpCDD	10.00	-----	1.30	J			
J	DNQ	Total HpCDD	25.00	-----	1.30	J			
UJ	B	OCDF	4.30	-----	1.30	BJ			
		OCDD	120.00	-----	1.70				

AMEC VALIDATED

LEVEL IV

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....105450

REPORT OF LABORATORY ANALYSIS

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Pace Analytical™

Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	INL1756-01 Outfall 018		
Lab Sample ID	105539001		
Filename	F50113A_11		
Injected By	MRO		
Total Amount Extracted	1030 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	12/28/2004
ICAL Date	11/29/2004	Received	12/30/2004
CCal Filename(s)	F50113A_02	Extracted	01/11/2005
Method Blank ID	BLANK-6123	Analyzed	01/13/2005 17:37

Rev Qual	Qual Code	Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
U		2,3,7,8-TCDF	ND	-----	0.98		2,3,7,8-TCDF-13C	2.00	72
J	DNQ	Total TCDF	2.0	-----	0.98	J	2,3,7,8-TCDD-13C	2.00	84
							1,2,3,7,8-PeCDF-13C	2.00	83
U		2,3,7,8-TCDD	ND	-----	1.00		2,3,4,7,8-PeCDF-13C	2.00	86
U		Total TCDD	ND	-----	1.00		1,2,3,7,8-PeCDD-13C	2.00	99
							1,2,3,4,7,8-HxCDF-13C	2.00	86
U		1,2,3,7,8-PeCDF	ND	-----	1.50		1,2,3,6,7,8-HxCDF-13C	2.00	64
↓		2,3,4,7,8-PeCDF	ND	-----	1.10		2,3,4,6,7,8-HxCDF-13C	2.00	77
		Total PeCDF	ND	-----	1.30		1,2,3,7,8,9-HxCDF-13C	2.00	81
							1,2,3,4,7,8-HxCDD-13C	2.00	82
U		1,2,3,7,8-PeCDD	ND	-----	0.74		1,2,3,6,7,8-HxCDD-13C	2.00	76
U		Total PeCDD	ND	-----	0.74		1,2,3,4,6,7,8-HpCDF-13C	2.00	73
							1,2,3,4,7,8,9-HpCDF-13C	2.00	62
UJ	*10	1,2,3,4,7,8-HxCDF	-----	1.70	0.61	E	1,2,3,4,6,7,8-HpCDD-13C	2.00	76
U		1,2,3,6,7,8-HxCDF	ND	-----	1.10		OCDD-13C	4.00	72
		2,3,4,6,7,8-HxCDF	ND	-----	1.10				
↓		1,2,3,7,8,9-HxCDF	ND	-----	0.91		1,2,3,4-TCDD-13C	2.00	NA
J	DNQ	Total HxCDF	3.3	-----	0.92	BJ	1,2,3,7,8,9-HxCDD-13C	2.00	NA
U		1,2,3,4,7,8-HxCDD	ND	-----	0.64		2,3,7,8-TCDD-37Cl4	0.20	82
UJ	*10	1,2,3,6,7,8-HxCDD	-----	1.30	0.85	I			
UJ	*10	1,2,3,7,8,9-HxCDD	-----	0.98	0.63	I			
U		Total HxCDD	ND	-----	0.71				
J	DNQ	1,2,3,4,6,7,8-HpCDF	4.6	-----	1.00	J			
U		1,2,3,4,7,8,9-HpCDF	ND	-----	1.70				
J	DNQ	Total HpCDF	10.0	-----	1.40	BJ			
J	DNQ	1,2,3,4,6,7,8-HpCDD	26.0	-----	1.60	J			
		Total HpCDD	51.0	-----	1.60				
UJ	B	OCDF	11.0	-----	1.80	BJ			
		OCDD	270.0	-----	1.90				

AMEC VALIDATED

LEVEL IV

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....105539

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Pace Analytical™

Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	INL1761-01 Outfall 007		
Lab Sample ID	105547001		
Filename	F50113A_16		
Injected By	MRO		
Total Amount Extracted	1040 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	12/28/2004
ICAL Date	11/29/2004	Received	12/30/2004
CCal Filename(s)	F50113A_02	Extracted	01/11/2005
Method Blank ID	BLANK-6123	Analyzed	01/13/2005 21:49

Rev Qual	Qual Code	Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L	Internal Standards	ng's Added	Percent Recovery
U		2,3,7,8-TCDF	ND	-----	3.1	2,3,7,8-TCDF-13C	2.00	77
		Total TCDF	ND	-----	3.1	2,3,7,8-TCDD-13C	2.00	77
						1,2,3,7,8-PeCDF-13C	2.00	87
		2,3,7,8-TCDD	ND	-----	4.3	2,3,4,7,8-PeCDF-13C	2.00	87
		Total TCDD	ND	-----	4.3	1,2,3,7,8-PeCDD-13C	2.00	87
						1,2,3,4,7,8-HxCDF-13C	2.00	97
		1,2,3,7,8-PeCDF	ND	-----	3.3	1,2,3,6,7,8-HxCDF-13C	2.00	99
		2,3,4,7,8-PeCDF	ND	-----	2.3	2,3,4,6,7,8-HxCDF-13C	2.00	92
		Total PeCDF	ND	-----	2.8	1,2,3,7,8,9-HxCDF-13C	2.00	87
						1,2,3,4,7,8-HxCDD-13C	2.00	82
		1,2,3,7,8-PeCDD	ND	-----	3.7	1,2,3,6,7,8-HxCDD-13C	2.00	74
		Total PeCDD	ND	-----	3.7	1,2,3,4,6,7,8-HpCDF-13C	2.00	59
						1,2,3,4,7,8,9-HpCDF-13C	2.00	52
		1,2,3,4,7,8-HxCDF	ND	-----	2.6	1,2,3,4,6,7,8-HpCDD-13C	2.00	58
		1,2,3,6,7,8-HxCDF	ND	-----	2.4	OCDD-13C	4.00	62
		2,3,4,6,7,8-HxCDF	ND	-----	2.8			
		1,2,3,7,8,9-HxCDF	ND	-----	2.7	1,2,3,4-TCDD-13C	2.00	NA
		Total HxCDF	ND	-----	2.6	1,2,3,7,8,9-HxCDD-13C	2.00	NA
		1,2,3,4,7,8-HxCDD	ND	-----	3.0	2,3,7,8-TCDD-37Cl4	0.20	79
		1,2,3,6,7,8-HxCDD	ND	-----	3.7			
		1,2,3,7,8,9-HxCDD	ND	-----	2.9			
		Total HxCDD	ND	-----	3.2			
		1,2,3,4,6,7,8-HpCDF	ND	-----	2.9			
		1,2,3,4,7,8,9-HpCDF	ND	-----	3.7			
		Total HpCDF	ND	-----	3.3			
J	DNQ	1,2,3,4,6,7,8-HpCDD	16	-----	4.7 J			
J	DNQ	Total HpCDD	34	-----	4.7 J			
UJ	*10	OCDF	-----	8.6	4.1 I			
		OCDD	100	-----	11.0			

AMEC VALIDATED

LEVEL IV

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....105547

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	INL1762-01 Outfall 009		
Lab Sample ID	105545001		
Filename	F50113A_15		
Injected By	MRO		
Total Amount Extracted	1050 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	12/28/2004
ICAL Date	11/29/2004	Received	12/30/2004
CCal Filename(s)	F50113A_02	Extracted	01/11/2005
Method Blank ID	BLANK-6123	Analyzed	01/13/2005 20:58

Rev Qual	Qual Code	Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
U		2,3,7,8-TCDF	ND	-----	1.6		2,3,7,8-TCDF-13C	2.00	62
J	DNQ	Total TCDF	2.5	-----	1.6	J	2,3,7,8-TCDD-13C	2.00	63
							1,2,3,7,8-PeCDF-13C	2.00	64
U		2,3,7,8-TCDD	ND	-----	2.5		2,3,4,7,8-PeCDF-13C	2.00	65
		Total TCDD	ND	-----	2.5		1,2,3,7,8-PeCDD-13C	2.00	68
							1,2,3,4,7,8-HxCDF-13C	2.00	78
		1,2,3,7,8-PeCDF	ND	-----	3.1		1,2,3,6,7,8-HxCDF-13C	2.00	66
		2,3,4,7,8-PeCDF	ND	-----	3.1		2,3,4,6,7,8-HxCDF-13C	2.00	72
		Total PeCDF	ND	-----	3.1		1,2,3,7,8,9-HxCDF-13C	2.00	70
							1,2,3,4,7,8-HxCDD-13C	2.00	67
		1,2,3,7,8-PeCDD	ND	-----	2.2		1,2,3,6,7,8-HxCDD-13C	2.00	62
		Total PeCDD	ND	-----	2.2		1,2,3,4,6,7,8-HpCDF-13C	2.00	51
							1,2,3,4,7,8,9-HpCDF-13C	2.00	44
		1,2,3,4,7,8-HxCDF	ND	-----	1.9		1,2,3,4,6,7,8-HpCDD-13C	2.00	51
		1,2,3,6,7,8-HxCDF	ND	-----	2.6		OCDD-13C	4.00	53
		2,3,4,6,7,8-HxCDF	ND	-----	2.4				
		1,2,3,7,8,9-HxCDF	ND	-----	2.2		1,2,3,4-TCDD-13C	2.00	NA
		Total HxCDF	ND	-----	2.3		1,2,3,7,8,9-HxCDD-13C	2.00	NA
		1,2,3,4,7,8-HxCDD	ND	-----	2.5		2,3,7,8-TCDD-37Cl4	0.20	67
		1,2,3,6,7,8-HxCDD	ND	-----	2.5				
		1,2,3,7,8,9-HxCDD	ND	-----	2.7				
		Total HxCDD	ND	-----	2.6				
J	DNQ	1,2,3,4,6,7,8-HpCDF	6.5	-----	2.0	J			
U		1,2,3,4,7,8,9-HpCDF	ND	-----	3.4				
J	DNQ	Total HpCDF	21.0	-----	2.7	J			
J	DNQ	1,2,3,4,6,7,8-HpCDD	25.0	-----	5.2	J			
		Total HpCDD	66.0	-----	5.2				
UJ	B	OCDF	14.0	-----	3.7	BJ			
		OCDD	270.0	-----	6.0				

AMEC VALIDATED

LEVEL IV

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....105545

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Pace Analytical™

Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	INL1763-01 Outfall 001		
Lab Sample ID	105540001		
Filename	F50113A_12		
Injected By	MRO		
Total Amount Extracted	1040 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	12/28/2004
ICAL Date	11/29/2004	Received	12/30/2004
CCal Filename(s)	F50113A_02	Extracted	01/11/2005
Method Blank ID	BLANK-6123	Analyzed	01/13/2005 18:27

Rev Qual	Qual Code	Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
U		2,3,7,8-TCDF	ND	-----	0.85		2,3,7,8-TCDF-13C	2.00	74
J	DNQ	Total TCDF	0.98	-----	0.85	J	2,3,7,8-TCDD-13C	2.00	76
							1,2,3,7,8-PeCDF-13C	2.00	81
U		2,3,7,8-TCDD	ND	-----	1.20		2,3,4,7,8-PeCDF-13C	2.00	86
		Total TCDD	ND	-----	1.20		1,2,3,7,8-PeCDD-13C	2.00	99
							1,2,3,4,7,8-HxCDF-13C	2.00	89
		1,2,3,7,8-PeCDF	ND	-----	1.10		1,2,3,6,7,8-HxCDF-13C	2.00	60
		2,3,4,7,8-PeCDF	ND	-----	1.00		2,3,4,6,7,8-HxCDF-13C	2.00	78
		Total PeCDF	ND	-----	1.10		1,2,3,7,8,9-HxCDF-13C	2.00	82
							1,2,3,4,7,8-HxCDD-13C	2.00	80
		1,2,3,7,8-PeCDD	ND	-----	0.84		1,2,3,6,7,8-HxCDD-13C	2.00	76
		Total PeCDD	ND	-----	0.84		1,2,3,4,6,7,8-HpCDF-13C	2.00	71
							1,2,3,4,7,8,9-HpCDF-13C	2.00	63
UJ	¥10	1,2,3,4,7,8-HxCDF	-----	1.2	0.70	E	1,2,3,4,6,7,8-HpCDD-13C	2.00	76
U		1,2,3,6,7,8-HxCDF	ND	-----	1.40		OCDD-13C	4.00	71
		2,3,4,6,7,8-HxCDF	ND	-----	0.89				
		1,2,3,7,8,9-HxCDF	ND	-----	0.78		1,2,3,4-TCDD-13C	2.00	NA
J	DNQ	Total HxCDF	1.20	-----	0.95	BJ	1,2,3,7,8,9-HxCDD-13C	2.00	NA
U		1,2,3,4,7,8-HxCDD	ND	-----	0.76		2,3,7,8-TCDD-37Cl4	0.20	77
		1,2,3,6,7,8-HxCDD	ND	-----	0.91				
		1,2,3,7,8,9-HxCDD	ND	-----	0.79				
J	DNQ	Total HxCDD	1.00	-----	0.82	BJ			
J	DNQ	1,2,3,4,6,7,8-HpCDF	2.40	-----	1.30	J			
U		1,2,3,4,7,8,9-HpCDF	ND	-----	1.70				
J	DNQ	Total HpCDF	6.10	-----	1.50	BJ			
J	DNQ	1,2,3,4,6,7,8-HpCDD	9.00	-----	1.60	J			
J	DNQ	Total HpCDD	16.00	-----	1.60	J			
UJ	B	OCDF	6.40	-----	1.20	BJ			
J	DNQ	OCDD	73.00	-----	1.90	BJ			

AMEC VALIDATED

LEVEL IV

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....105540

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Pace Analytical™

Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	INL1764-01 Outfall 002		
Lab Sample ID	105541001		
Filename	F50113A_13		
Injected By	MRO		
Total Amount Extracted	1020 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	12/28/2004
ICAL Date	11/29/2004	Received	12/30/2004
CCal Filename(s)	F50113A_02	Extracted	01/11/2005
Method Blank ID	BLANK-6123	Analyzed	01/13/2005 19:18

Rev Qual	Qual Code	Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
U		2,3,7,8-TCDF	ND	-----	1.30		2,3,7,8-TCDF-13C	2.00	74
		Total TCDF	ND	-----	1.30		2,3,7,8-TCDD-13C	2.00	85
							1,2,3,7,8-PeCDF-13C	2.00	83
		2,3,7,8-TCDD	ND	-----	1.10		2,3,4,7,8-PeCDF-13C	2.00	88
		Total TCDD	ND	-----	1.10		1,2,3,7,8-PeCDD-13C	2.00	101
							1,2,3,4,7,8-HxCDF-13C	2.00	88
		1,2,3,7,8-PeCDF	ND	-----	1.70		1,2,3,6,7,8-HxCDF-13C	2.00	67
		2,3,4,7,8-PeCDF	ND	-----	1.40		2,3,4,6,7,8-HxCDF-13C	2.00	79
		Total PeCDF	ND	-----	1.50		1,2,3,7,8,9-HxCDF-13C	2.00	82
							1,2,3,4,7,8-HxCDD-13C	2.00	78
		1,2,3,7,8-PeCDD	ND	-----	0.78		1,2,3,6,7,8-HxCDD-13C	2.00	80
↓		Total PeCDD	ND	-----	0.78		1,2,3,4,6,7,8-HpCDF-13C	2.00	74
							1,2,3,4,7,8,9-HpCDF-13C	2.00	63
UJ	*ID	1,2,3,4,7,8-HxCDF	-----	1.4	0.91	I	1,2,3,4,6,7,8-HpCDD-13C	2.00	78
U		1,2,3,6,7,8-HxCDF	ND	-----	1.10		OCDD-13C	4.00	75
		2,3,4,6,7,8-HxCDF	ND	-----	0.88				
		1,2,3,7,8,9-HxCDF	ND	-----	0.87		1,2,3,4-TCDD-13C	2.00	NA
↓		Total HxCDF	ND	-----	0.93		1,2,3,7,8,9-HxCDD-13C	2.00	NA
J	DNQ	1,2,3,4,7,8-HxCDD	1.7	-----	1.00	J	2,3,7,8-TCDD-37Cl4	0.20	81
UJ	B	1,2,3,6,7,8-HxCDD	1.7	-----	1.30	BJ			
UJ	B	1,2,3,7,8,9-HxCDD	2.3	-----	0.98	BJ			
J	DNQ	Total HxCDD	16.0	-----	1.10	BJ			
J	DNQ	1,2,3,4,6,7,8-HpCDF	5.5	-----	0.87	J			
U		1,2,3,4,7,8,9-HpCDF	ND	-----	1.60				
J	DNQ	Total HpCDF	5.5	-----	1.30	BJ			
J	DNQ	1,2,3,4,6,7,8-HpCDD	33.0	-----	1.70	J			
		Total HpCDD	64.0	-----	1.70				
UJ	B	OCDF	14.0	-----	1.80	BJ			
		OCDD	370.0	-----	2.90				

AMEC VALIDATED

LEVEL IV

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....105541

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Pace Analytical™

Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	INL1766-01 Outfall 01		
Lab Sample ID	105543001		
Filename	F50113A_14		
Injected By	MRO		
Total Amount Extracted	1030 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	12/28/2004
ICAL Date	11/29/2004	Received	12/30/2004
CCal Filename(s)	F50113A_02	Extracted	01/11/2005
Method Blank ID	BLANK-6123	Analyzed	01/13/2005 20:09

Rev Qual	Qual Code	Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
U		2,3,7,8-TCDF	ND	-----	1.20		2,3,7,8-TCDF-13C	2.00	71
		Total TCDF	ND	-----	1.20		2,3,7,8-TCDD-13C	2.00	81
							1,2,3,7,8-PeCDF-13C	2.00	81
		2,3,7,8-TCDD	ND	-----	1.00		2,3,4,7,8-PeCDF-13C	2.00	85
		Total TCDD	ND	-----	1.00		1,2,3,7,8-PeCDD-13C	2.00	96
							1,2,3,4,7,8-HxCDF-13C	2.00	82
		1,2,3,7,8-PeCDF	ND	-----	1.20		1,2,3,6,7,8-HxCDF-13C	2.00	67
		2,3,4,7,8-PeCDF	ND	-----	0.93		2,3,4,6,7,8-HxCDF-13C	2.00	76
		Total PeCDF	ND	-----	1.10		1,2,3,7,8,9-HxCDF-13C	2.00	78
							1,2,3,4,7,8-HxCDD-13C	2.00	73
		1,2,3,7,8-PeCDD	ND	-----	1.20		1,2,3,6,7,8-HxCDD-13C	2.00	78
		Total PeCDD	ND	-----	1.20		1,2,3,4,6,7,8-HpCDF-13C	2.00	70
							1,2,3,4,7,8,9-HpCDF-13C	2.00	60
UJ	B	1,2,3,4,7,8-HxCDF	2.0	-----	0.88	BJ	1,2,3,4,6,7,8-HpCDD-13C	2.00	74
U		1,2,3,6,7,8-HxCDF	ND	-----	1.00		OCDD-13C	4.00	69
		2,3,4,6,7,8-HxCDF	ND	-----	0.96				
		1,2,3,7,8,9-HxCDF	ND	-----	0.87		1,2,3,4-TCDD-13C	2.00	NA
J	DNQ	Total HxCDF	4.0	-----	0.93	BJ	1,2,3,7,8,9-HxCDD-13C	2.00	NA
U		1,2,3,4,7,8-HxCDD	ND	-----	1.30		2,3,7,8-TCDD-37Cl4	0.20	84
U		1,2,3,6,7,8-HxCDD	ND	-----	0.95				
UJ	B	1,2,3,7,8,9-HxCDD	1.4	-----	0.97	BJ			
J	DNQ	Total HxCDD	6.0	-----	1.10	BJ			
J	DNQ	1,2,3,4,6,7,8-HpCDF	4.3	-----	1.20	J			
U		1,2,3,4,7,8,9-HpCDF	ND	-----	1.70				
J	DNQ	Total HpCDF	10.0	-----	1.40	BJ			
J	DNQ	1,2,3,4,6,7,8-HpCDD	19.0	-----	1.20	J			
J	DNQ	Total HpCDD	38.0	-----	1.20	J			
UJ	B	OCDF	11.0	-----	1.70	BJ			
		OCDD	170.0	-----	2.20				

AMEC VALIDATED

LEVEL IV

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....105543

REPORT OF LABORATORY ANALYSIS

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CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Package ID T711DF14
Task Order 313150010
SDG No. INL0360
No. of Analyses 4

Laboratory Pace
Reviewer H. Chang
Analysis/Method Dioxin&Furans/1613

Date: January 15, 2005
Reviewer's Signature

ACTION ITEMS[a]	
1. **Case Narrative** / **Deficiencies**	
2. **Out of Scope** / **Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy** / **Deliverables**	
5. **Incorrect Hardcopy** / **Deliverables**	
6. **Deviations from Analysis** / **Protocol, e.g.,**	Detects below the calibration range were qualified "J"
	EMPCs were qualified "UJ."
Holding Times	
GC/MS Tune/Inst. Perform	
Calibrations	
Blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification and Quantitation	
System Performance	
COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

Data Qualifier Reference Table

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quanti–tation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified; the associated numerical value is the approx-imate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evi-dence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value repre-sents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the re-ported sample quantitation limit. However, the reported quantitation limit is approx-imate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or may not be present).

Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D were noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) or calibration blank.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination from trip blank.	Not applicable.
+	False positive – reported compound was not present. Not applicable.	
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination from FB, or ER.	Presumed contamination from FB or ER.
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
DNQ	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.

*#	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).

DATA VALIDATION REPORT

NPDES
Monitoring

ANALYSIS: DIOXINS/FURANS

SAMPLE DELIVERY GROUPS: INL0358, INL0359, INL0360, INL0361

Prepared by

AMEC—Denver Operations
550 South Wadsworth Boulevard, Suite 500
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010
Sample Delivery Group #:	INL0358, INL0359, INL0360, INL0361
Project Manager:	B. McIlvaine
Matrix:	Water
Analysis:	Dioxins/Furans
QC Level:	Level IV
No. of Samples:	4
No. of Reanalyses/Dilutions:	0
Reviewer:	H. Chang
Date of Review:	January 15, 2005

The samples listed in Table 1 were validated based on the guidelines outlined in the *AMEC Data Validation Procedure for Dioxins and Furans (DVP-19, Rev. 1), EPA Method 1613, and the National National Functional Guidelines For Chlorinated Dioxin/Furan Data Review* (8/02). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Client ID	Laboratory ID (Del Mar)	Laboratory ID (Pace)	Matrix	COC Method
Outfall 003	INL0361-01	104321001	water	1613
Outfall 004	INL0360-01	104320001	water	1613
Outfall 005	INL0358-01	104317001	water	1613
Outfall 006	INL0359-01	104318001	water	1613

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The samples in these SDGs were received at both Del Mar and Pace Analytical Services within the temperature limits of 4°C ±2°C. The samples were received in good condition at Del Mar. No other the sample receipt information was provided by Pace. No qualifications were required.

2.1.2 Chain of Custody

The COCs were signed by field and laboratory personnel, and accounted for the analysis presented in these SDGs. The COC indicated that the sample integrity was intact at Del Mar. There were no information regarding custody seals at Pace. No qualifications were required.

2.1.3 Holding Times

The samples were extracted and analyzed within a year of collection. No qualifications were required.

2.2 INSTRUMENT PERFORMANCE

Following are findings associated with instrument performance:

2.2.1 GC Column Performance

A column performance standard was combined with the daily calibration verification and analyzed at the beginning of each analytical sequence. The GC column performance was acceptable with the chromatographic separation of 2,3,7,8-TCDD and other TCDD isomers resolved with a valley of ≤25%. No qualifications were required.

2.2.2 Mass Spectrometer Performance

The mass spectrometer performance could not be evaluated as the laboratory did not provide selected ion current profiles for the lock-mass ions. No qualifications were required.

2.3 CALIBRATION

2.3.1 Initial Calibration

There were two initial calibrations, analyzed 11/29/04 on Instrument 10MSHR05 and 12/02/04 on Instrument 10MSHR06. The calibrations consisted of five concentration level standards (CS1 through CS5)

analyzed to verify instrument linearity. The initial calibrations were acceptable with %RSDs ≤20% for the 15 native compounds (calibration by isotope dilution) and ≤35% for the 2 native and all labeled compounds (calibration by internal standard). The relative retention times and ion abundance ratios were within the QC limits listed in Method 1613 for all standards. A representative number of %RSDs were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

2.3.2 Continuing Calibration

Calibration verification (VER) consisted of a mid-level standard (CS3) analyzed at the beginning of each analytical sequence. The VERs were acceptable with the concentrations within the acceptance criteria listed in the Table 6 of the EPA Method 1613. The ion abundance ratios and relative retention times were within the method QC limits. A representative number of %Ds were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

2.4 BLANKS

One method blank (Blank-5951) was extracted and analyzed with the samples in these SDGs. There were no detects in the method blank. OCDD was an EMPC in the method blank. No qualifications were required.

2.5 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

One pair of LCS/LCSD (LCS-5952/LCSD-5953) was extracted and analyzed with the samples in these SDGs. All recoveries were within the acceptance criteria listed in Table 6 of the Method 1613. There were no QC limits established for RPDs. The reported RPDs were within ±20%. No qualifications were required.

2.6 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MS/MSD analyses were not performed in these SDGs. Evaluation of method accuracy and precision was based on the LCS/LCSD results. No qualifications were required.

2.7 FIELD QC SAMPLES

Following are findings associated with field QC:

2.7.1 Field Blanks and Equipment Rinsates

The samples in these SDGs had no associated field QC samples. No qualifications were required.

2.7.2 Field Duplicates

No field duplicate was identified in these SDGs. No qualifications were required.

2.8 INTERNAL STANDARDS

The labeled standard recoveries were within the acceptance criteria listed in Table 7 of Method 1613. No qualifications were required.

2.9 COMPOUND IDENTIFICATION

The laboratory analyzed for polychlorinated dioxins/furans by EPA Method 1613. The compound identifications were verified from the raw data and no false negatives or positives were noted. No qualifications were required.

2.10 COMPOUND QUANTIFICATION AND REPORTED DETECTION LIMITS

Compound quantitation was verified from the raw data. The laboratory calculated and reported compound-specific detection limits. All detects below the lower method calibration limit (MCL) were qualified as estimated, "J." All EMPCs were qualified as estimated nondetects, "UJ." Total HpCDD in sample Outfall 005 was reported as a nondetect at the detection limt. Since 1,2,3,4,6,7,8-HpCDD was reported as an EMPC at 3.8 pg/L which was greater than the detection limit, total HpCDD was also changed to an EMPC at 3.8 pg/L and was qualified "UJ." No further qualifications were required.

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1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
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Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	INL0358-01		
Lab Sample ID	104317001		
Filename	U41225B_04		
Injected By	BAL		
Total Amount Extracted	990 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	12/05/2004
ICAL Date	12/02/2004	Received	12/07/2004
CCal Filename(s)	U41225B_01	Extracted	12/16/2004
Method Blank ID	BLANK-5951	Analyzed	12/25/2004 21:02

Rev Qual	Qual Code	Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
U		2,3,7,8-TCDF	ND	-----	3.1		2,3,7,8-TCDF-13C	2.00	71
		Total TCDF	ND	-----	3.1		2,3,7,8-TCDD-13C	2.00	88
							1,2,3,7,8-PeCDF-13C	2.00	70
		2,3,7,8-TCDD	ND	-----	5.8		2,3,4,7,8-PeCDF-13C	2.00	77
		Total TCDD	ND	-----	5.8		1,2,3,7,8-PeCDD-13C	2.00	98
							1,2,3,4,7,8-HxCDF-13C	2.00	70
		1,2,3,7,8-PeCDF	ND	-----	2.5		1,2,3,6,7,8-HxCDF-13C	2.00	81
		2,3,4,7,8-PeCDF	ND	-----	2.1		2,3,4,6,7,8-HxCDF-13C	2.00	87
		Total PeCDF	ND	-----	2.3		1,2,3,7,8,9-HxCDF-13C	2.00	85
							1,2,3,4,7,8-HxCDD-13C	2.00	96
		1,2,3,7,8-PeCDD	ND	-----	3.1		1,2,3,6,7,8-HxCDD-13C	2.00	77
		Total PeCDD	ND	-----	3.1		1,2,3,4,6,7,8-HpCDF-13C	2.00	85
							1,2,3,4,7,8,9-HpCDF-13C	2.00	72
		1,2,3,4,7,8-HxCDF	ND	-----	2.8		1,2,3,4,6,7,8-HpCDD-13C	2.00	98
		1,2,3,6,7,8-HxCDF	ND	-----	1.4		OCDD-13C	4.00	88
		2,3,4,6,7,8-HxCDF	ND	-----	2.0				
		1,2,3,7,8,9-HxCDF	ND	-----	1.8		1,2,3,4-TCDD-13C	2.00	NA
		Total HxCDF	ND	-----	2.0		1,2,3,7,8,9-HxCDD-13C	2.00	NA
		1,2,3,4,7,8-HxCDD	ND	-----	3.0		2,3,7,8-TCDD-37Cl4	0.20	85
		1,2,3,6,7,8-HxCDD	ND	-----	2.8				
		1,2,3,7,8,9-HxCDD	ND	-----	3.1				
		Total HxCDD	ND	-----	3.0				
		1,2,3,4,6,7,8-HpCDF	ND	-----	2.5				
		1,2,3,4,7,8,9-HpCDF	ND	-----	3.2				
		Total HpCDF	ND	-----	2.8				
UJ	*10	1,2,3,4,6,7,8-HpCDD	-----	3.8	3.6	I			
UJ	*10,#	Total HpCDD	ND	-----3.8	3.6				
U		OCDF	ND	-----	4.5				
UJ	*10	OCDD	-----	19.0	6.0	I			

AMEC VALIDATED
LEVEL IV

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....104317

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

Pace Analytical™

Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	INL0359-01		
Lab Sample ID	104318001		
Filename	U41224B_06		
Injected By	BAL		
Total Amount Extracted	1030 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	12/05/2004
ICAL Date	12/02/2004	Received	12/07/2004
CCal Filename(s)	U41224B_03	Extracted	12/16/2004
Method Blank ID	BLANK-5951	Analyzed	12/24/2004 20:26

Rev Qual	Qual Code	Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
U		2,3,7,8-TCDF	ND	-----	2.8		2,3,7,8-TCDF-13C	2.00	76
		Total TCDF	ND	-----	2.8		2,3,7,8-TCDD-13C	2.00	93
							1,2,3,7,8-PeCDF-13C	2.00	69
		2,3,7,8-TCDD	ND	-----	4.4		2,3,4,7,8-PeCDF-13C	2.00	72
		Total TCDD	ND	-----	4.4		1,2,3,7,8-PeCDD-13C	2.00	87
							1,2,3,4,7,8-HxCDF-13C	2.00	68
		1,2,3,7,8-PeCDF	ND	-----	2.2		1,2,3,6,7,8-HxCDF-13C	2.00	81
		2,3,4,7,8-PeCDF	ND	-----	2.0		2,3,4,6,7,8-HxCDF-13C	2.00	91
		Total PeCDF	ND	-----	2.1		1,2,3,7,8,9-HxCDF-13C	2.00	90
							1,2,3,4,7,8-HxCDD-13C	2.00	116
		1,2,3,7,8-PeCDD	ND	-----	4.8		1,2,3,6,7,8-HxCDD-13C	2.00	69
		Total PeCDD	ND	-----	4.8		1,2,3,4,6,7,8-HpCDF-13C	2.00	83
							1,2,3,4,7,8,9-HpCDF-13C	2.00	81
		1,2,3,4,7,8-HxCDF	ND	-----	3.5		1,2,3,4,6,7,8-HpCDD-13C	2.00	95
		1,2,3,6,7,8-HxCDF	ND	-----	2.4		OCDD-13C	4.00	82
		2,3,4,6,7,8-HxCDF	ND	-----	2.0				
		1,2,3,7,8,9-HxCDF	ND	-----	2.2		1,2,3,4-TCDD-13C	2.00	NA
		Total HxCDF	ND	-----	2.5		1,2,3,7,8,9-HxCDD-13C	2.00	NA
		1,2,3,4,7,8-HxCDD	ND	-----	1.9		2,3,7,8-TCDD-37Cl4	0.20	91
		1,2,3,6,7,8-HxCDD	ND	-----	2.9				
		1,2,3,7,8,9-HxCDD	ND	-----	2.3				
		Total HxCDD	ND	-----	2.4				
		1,2,3,4,6,7,8-HpCDF	ND	-----	2.3				
		1,2,3,4,7,8,9-HpCDF	ND	-----	2.3				
		Total HpCDF	ND	-----	2.3				
		1,2,3,4,6,7,8-HpCDD	ND	-----	3.7				
		Total HpCDD	ND	-----	3.7				
		OCDF	ND	-----	3.6				
J	DNQ	OCDD	33	-----	5.6	J			

AMEC VALIDATED

LEVEL IV

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....104318

REPORT OF LABORATORY ANALYSIS

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Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	INL0360-01		
Lab Sample ID	104320001		
Filename	U41227A_10		
Injected By	BAL		
Total Amount Extracted	1050 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	12/05/2004
ICAL Date	12/02/2004	Received	12/07/2004
CCal Filename(s)	U41227A_03	Extracted	12/16/2004
Method Blank ID	BLANK-5951	Analyzed	12/27/2004 16:58

Rev Qual	Qual Code	Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
U		2,3,7,8-TCDF	ND	-----	2.7		2,3,7,8-TCDF-13C	2.00	70
		Total TCDF	ND	-----	2.7		2,3,7,8-TCDD-13C	2.00	84
							1,2,3,7,8-PeCDF-13C	2.00	62
		2,3,7,8-TCDD	ND	-----	3.6		2,3,4,7,8-PeCDF-13C	2.00	75
		Total TCDD	ND	-----	3.6		1,2,3,7,8-PeCDD-13C	2.00	88
							1,2,3,4,7,8-HxCDF-13C	2.00	57
		1,2,3,7,8-PeCDF	ND	-----	1.8		1,2,3,6,7,8-HxCDF-13C	2.00	59
		2,3,4,7,8-PeCDF	ND	-----	1.5		2,3,4,6,7,8-HxCDF-13C	2.00	88
		Total PeCDF	ND	-----	1.7		1,2,3,7,8,9-HxCDF-13C	2.00	84
							1,2,3,4,7,8-HxCDD-13C	2.00	88
		1,2,3,7,8-PeCDD	ND	-----	2.4		1,2,3,6,7,8-HxCDD-13C	2.00	82
		Total PeCDD	ND	-----	2.4		1,2,3,4,6,7,8-HpCDF-13C	2.00	80
							1,2,3,4,7,8,9-HpCDF-13C	2.00	62
		1,2,3,4,7,8-HxCDF	ND	-----	2.0		1,2,3,4,6,7,8-HpCDD-13C	2.00	84
		1,2,3,6,7,8-HxCDF	ND	-----	1.7		OCDD-13C	4.00	70
		2,3,4,6,7,8-HxCDF	ND	-----	1.2				
		1,2,3,7,8,9-HxCDF	ND	-----	1.7		1,2,3,4-TCDD-13C	2.00	NA
		Total HxCDF	ND	-----	1.6		1,2,3,7,8,9-HxCDD-13C	2.00	NA
		1,2,3,4,7,8-HxCDD	ND	-----	2.0		2,3,7,8-TCDD-37Cl4	0.20	80
		1,2,3,6,7,8-HxCDD	ND	-----	2.1				
		1,2,3,7,8,9-HxCDD	ND	-----	1.6				
		Total HxCDD	ND	-----	1.9				
		1,2,3,4,6,7,8-HpCDF	ND	-----	2.3				
		1,2,3,4,7,8,9-HpCDF	ND	-----	2.4				
		Total HpCDF	ND	-----	2.4				
		1,2,3,4,6,7,8-HpCDD	ND	-----	3.9				
		Total HpCDD	ND	-----	3.9				
		OCDF	ND	-----	5.2				
J	DNQ	OCDD	21	-----	8.7	J			

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LEVEL IV

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....104320

REPORT OF LABORATORY ANALYSIS

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Minneapolis, MN 55414

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Fax: 612-607-6444

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Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	INL0361-01		
Lab Sample ID	104321001		
Filename	F41224B_16		
Injected By	BAL		
Total Amount Extracted	1050 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	12/05/2004
ICAL Date	11/29/2004	Received	12/07/2004
CCal Filename(s)	F41224B_02	Extracted	12/16/2004
Method Blank ID	BLANK-5951	Analyzed	12/25/2004 02:48

Rev Qual	Qual Code	Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
U		2,3,7,8-TCDF	ND	-----	1.10		2,3,7,8-TCDF-13C	2.00	92
J	DNQ	Total TCDF	1.8	-----	1.10	J	2,3,7,8-TCDD-13C	2.00	91
							1,2,3,7,8-PeCDF-13C	2.00	105
U		2,3,7,8-TCDD	ND	-----	1.40		2,3,4,7,8-PeCDF-13C	2.00	109
		Total TCDD	ND	-----	1.40		1,2,3,7,8-PeCDD-13C	2.00	107
							1,2,3,4,7,8-HxCDF-13C	2.00	109
		1,2,3,7,8-PeCDF	ND	-----	1.00		1,2,3,6,7,8-HxCDF-13C	2.00	73
		2,3,4,7,8-PeCDF	ND	-----	0.89		2,3,4,6,7,8-HxCDF-13C	2.00	99
		Total PeCDF	ND	-----	0.96		1,2,3,7,8,9-HxCDF-13C	2.00	100
							1,2,3,4,7,8-HxCDD-13C	2.00	89
		1,2,3,7,8-PeCDD	ND	-----	0.97		1,2,3,6,7,8-HxCDD-13C	2.00	88
		Total PeCDD	ND	-----	0.97		1,2,3,4,6,7,8-HpCDF-13C	2.00	71
							1,2,3,4,7,8,9-HpCDF-13C	2.00	61
J	DNQ	1,2,3,4,7,8-HxCDF	2.7	-----	0.95	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	67
U		1,2,3,6,7,8-HxCDF	ND	-----	1.30		OCDD-13C	4.00	70
		2,3,4,6,7,8-HxCDF	ND	-----	0.91				
		1,2,3,7,8,9-HxCDF	ND	-----	1.10		1,2,3,4-TCDD-13C	2.00	NA
J	DNQ	Total HxCDF	5.0	-----	1.10	J	1,2,3,7,8,9-HxCDD-13C	2.00	NA
J	DNQ	1,2,3,4,7,8-HxCDD	1.3	-----	1.20	J	2,3,7,8-TCDD-37Cl4	0.20	96
		1,2,3,6,7,8-HxCDD	1.8	-----	1.40	J			
		1,2,3,7,8,9-HxCDD	2.5	-----	1.40	J			
		Total HxCDD	17.0	-----	1.30	J			
UJ	*10	1,2,3,4,6,7,8-HpCDF	-----	5.0	1.20	I			
U		1,2,3,4,7,8,9-HpCDF	ND	-----	1.50				
U		Total HpCDF	ND	-----	1.40				
J	DNQ	1,2,3,4,6,7,8-HpCDD	34.0	-----	2.30	J			
		Total HpCDD	96.0	-----	2.30				
J	DNQ	OCDF	11.0	-----	1.70	J			
		OCDD	450.0	-----	3.10				

AMEC VALIDATED

LEVEL IV

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....104321

REPORT OF LABORATORY ANALYSIS

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CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Package ID T711DF11
Task Order 313150010
SDG No. INJ1884,85,86,87,88
No. of Analyses 5

Laboratory Pace Analytical.
Reviewer E. Wessling
Analysis/Method Dioxins/Furans by Method 1613B

Date: December 23, 2004
Reviewer's Signature

ACTION ITEMS[a]	
. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications assigned for the following:
Holding Times	--method blank contamination
GC/MS Tune/Inst. Performance	--EMPCs qualified as estimated nondetects
Calibration	--Detects between the MDL and reporting limit qualified as estimated
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification	
Quantitation	
System Performance	

COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

Data Qualifier Reference Table

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or may not be present).

Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D were noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) or calibration blank.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination from trip blank.	Not applicable.
+	False positive – reported compound was not present. Not applicable.	
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination from FB, or ER.	Presumed contamination from FB or ER.
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
DNQ	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.

*#	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).

DATA VALIDATION REPORT

NPDES
Monitoring

ANALYSIS: DIOXINS/FURANS

SAMPLE DELIVERY GROUPS: INJ1884, INJ1885,
INJ1886, INJ1887, INJ1888

Prepared by

AMEC—Denver Operations
550 South Wadsworth Boulevard, Suite 500
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010
Sample Delivery Group #:	INJ1884, INJ1885, INJ1886, INJ1887, INJ1888
Project Manager:	B. McIlvaine
Matrix:	Water
Analysis:	Dioxins/Furans
QC Level:	Level IV
No. of Samples:	5
No. of Reanalyses/Dilutions:	0
Reviewer:	E. Wessling
Date of Review:	December 23, 2004

The samples listed in Table 1 were validated based on the guidelines outlined in the *AMEC Data Validation Procedure for Dioxins and Furans (DVP-19, Rev. 1), EPA Method 1613, and the National National Functional Guidelines For Chlorinated Dioxin/Furan Data Review* (8/02). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Client ID	Laboratory ID (Del Mar)	Laboratory ID (Pace)	Matrix	COC Method
Outfall 003	INJ1884-01	102332001	water	1613B
Outfall 004	INJ1885-01	102331001	water	1613B
Outfall 005	INJ1886-01	102329001	water	1613B
Outfall 006	INJ1887-01	102309001	water	1613B
Outfall 007	INJ1888-01	102333001	water	1613B

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The samples in these SDGs were received at Del Mar Analytical and Pace Analytical within the temperature limits of 4°C ±2°C. They were received intact and in good condition at both laboratories. No qualifications were required.

2.1.2 Chain of Custody

The COCs were signed by both field and laboratory personnel, and accounted for the analysis presented in this SDG. No qualifications were required.

2.1.3 Holding Times

The samples were extracted and analyzed within a year of collection. No qualifications were required.

2.2 INSTRUMENT PERFORMANCE

Following are findings associated with instrument performance:

2.2.1 GC Column Performance

A column performance standard was combined with the daily calibration verification and analyzed at the beginning of each analytical sequence. The GC column performance was acceptable with the chromatographic separation of 2,3,7,8-TCDD and other TCDD isomers resolved with a valley of ≤25%. No qualifications were required.

2.2.2 Mass Spectrometer Performance

The mass spectrometer performance could not be evaluated as the laboratory did not provide selected ion current profile for the lock-mass ions. No qualifications were required.

2.3 CALIBRATION

2.3.1 Initial Calibration

There was one initial calibration, analyzed 11/10/04 on Instrument 10MSHR05 on a DB-5 column. The calibration consisted of five concentration level standards (CS1 through CS5) analyzed to verify instrument linearity. The initial calibrations were acceptable with %RSDs ≤20% for the 15 native

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Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	INJ1884-01 Outfall 003		
Lab Sample ID	102332001		
Filename	F41119A_03		
Injected By	MRO		
Total Amount Extracted	1050 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	10/27/2004
ICAL Date	11/10/2004	Received	10/29/2004
CCal Filename(s)	F41118B_19	Extracted	11/11/2004
Method Blank ID	BLANK-5772	Analyzed	11/19/2004 12:09

Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
DNQ 2,3,7,8-TCDF	2.80	-----	0.87	J	2,3,7,8-TCDF-13C	2.00	84
Total TCDF	12.00	-----	0.87		2,3,7,8-TCDD-13C	2.00	93
					1,2,3,7,8-PeCDF-13C	2.00	87
2,3,7,8-TCDD	ND	-----	0.91		2,3,4,7,8-PeCDF-13C	2.00	87
Total TCDD	ND	-----	0.91		1,2,3,7,8-PeCDD-13C	2.00	95
					1,2,3,4,7,8-HxCDF-13C	2.00	93
1,2,3,7,8-PeCDF	ND	-----	1.10		1,2,3,6,7,8-HxCDF-13C	2.00	95
DNQ 2,3,4,7,8-PeCDF	1.50	-----	0.72	J	2,3,4,6,7,8-HxCDF-13C	2.00	97
DNQ Total PeCDF	4.10	-----	0.92	J	1,2,3,7,8,9-HxCDF-13C	2.00	93
					1,2,3,4,7,8-HxCDD-13C	2.00	112
1,2,3,7,8-PeCDD	ND	-----	1.20		1,2,3,6,7,8-HxCDD-13C	2.00	103
Total PeCDD	ND	-----	1.20		1,2,3,4,6,7,8-HpCDF-13C	2.00	109
					1,2,3,4,7,8,9-HpCDF-13C	2.00	109
1,2,3,4,7,8-HxCDF	ND	-----	0.81		1,2,3,4,6,7,8-HpCDD-13C	2.00	113
1,2,3,6,7,8-HxCDF	ND	-----	0.71		OCDD-13C	4.00	114
2,3,4,6,7,8-HxCDF	ND	-----	0.66				
1,2,3,7,8,9-HxCDF	ND	-----	0.80		1,2,3,4-TCDD-13C	2.00	NA
B, DNQ Total HxCDF	2.30	-----	0.75	BJ	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	0.97		2,3,7,8-TCDD-37Cl4	0.20	93
B 1,2,3,6,7,8-HxCDD	1.00	-----	0.88	BJ			
DNQ 1,2,3,7,8,9-HxCDD	0.76	-----	0.61	J			
B DNQ Total HxCDD	3.70	-----	0.82	BJ			
B 1,2,3,4,6,7,8-HpCDF	2.30	-----	0.53	BJ			
1,2,3,4,7,8,9-HpCDF	ND	-----	0.76				
B Total HpCDF	2.30	-----	0.65	BJ			
DNQ 1,2,3,4,6,7,8-HpCDD	13.00	-----	1.90	BJ			
DNQ Total HpCDD	13.00	-----	1.90	BJ			
*10 OCDF	-----	2.6	0.69	I			
DNQ OCDD	77.00	-----	1.50	BJ			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....102332

AMEC VALIDATED LEVEL IV

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Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	INJ1885-01 Outfall 004		
Lab Sample ID	102331001		
Filename	F41117B_08		
Injected By	BAL		
Total Amount Extracted	957 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	10/27/2004
ICAL Date	11/10/2004	Received	10/29/2004
CCal Filename(s)	F41117A_11	Extracted	11/11/2004
Method Blank ID	BLANK-5772	Analyzed	11/18/2004 01:26

	Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
	2,3,7,8-TCDF	ND	-----	1.30		2,3,7,8-TCDF-13C	2.00	93
	Total TCDF	ND	-----	1.30		2,3,7,8-TCDD-13C	2.00	92
						1,2,3,7,8-PeCDF-13C	2.00	93
	2,3,7,8-TCDD	ND	-----	1.40		2,3,4,7,8-PeCDF-13C	2.00	92
	Total TCDD	ND	-----	1.40		1,2,3,7,8-PeCDD-13C	2.00	92
						1,2,3,4,7,8-HxCDF-13C	2.00	103
	1,2,3,7,8-PeCDF	ND	-----	1.30		1,2,3,6,7,8-HxCDF-13C	2.00	103
	2,3,4,7,8-PeCDF	ND	-----	0.96		2,3,4,6,7,8-HxCDF-13C	2.00	105
	Total PeCDF	ND	-----	1.10		1,2,3,7,8,9-HxCDF-13C	2.00	100
						1,2,3,4,7,8-HxCDD-13C	2.00	103
	1,2,3,7,8-PeCDD	ND	-----	1.50		1,2,3,6,7,8-HxCDD-13C	2.00	101
	Total PeCDD	ND	-----	1.50		1,2,3,4,6,7,8-HpCDF-13C	2.00	94
						1,2,3,4,7,8,9-HpCDF-13C	2.00	91
	1,2,3,4,7,8-HxCDF	ND	-----	1.20		1,2,3,4,6,7,8-HpCDD-13C	2.00	90
	1,2,3,6,7,8-HxCDF	ND	-----	0.84		OCDD-13C	4.00	88
	2,3,4,6,7,8-HxCDF	ND	-----	1.10				
	1,2,3,7,8,9-HxCDF	ND	-----	1.20		1,2,3,4-TCDD-13C	2.00	NA
	Total HxCDF	ND	-----	1.10		1,2,3,7,8,9-HxCDD-13C	2.00	NA
	1,2,3,4,7,8-HxCDD	ND	-----	1.30		2,3,7,8-TCDD-37Cl4	0.20	90
	1,2,3,6,7,8-HxCDD	ND	-----	1.30				
	1,2,3,7,8,9-HxCDD	ND	-----	0.99				
	Total HxCDD	ND	-----	1.20				
	B 1,2,3,4,6,7,8-HpCDF	1.8	-----	1.50	BJ			
	1,2,3,4,7,8,9-HpCDF	ND	-----	2.10				
	B Total HpCDF	1.8	-----	1.80	BJ			
	DNQ 1,2,3,4,6,7,8-HpCDD	11.0	-----	1.90	BJ			
	DNQ Total HpCDD	22.0	-----	1.90	BJ			
	DNQ OCDF	3.2	-----	1.60	J			
	OCDD	110.0	-----	2.70				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....102331

AMEC VALIDATED LEVEL IV

REPORT OF LABORATORY ANALYSIS

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Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	INJ1886-01 Outfall 005		
Lab Sample ID	102329001		
Filename	F41116B_08		
Injected By	MRO		
Total Amount Extracted	996 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	10/27/2004
ICAL Date	11/10/2004	Received	10/29/2004
CCal Filename(s)	F41116B_01	Extracted	11/11/2004
Method Blank ID	BLANK-5772	Analyzed	11/17/2004 03:03

Raw Qual	Qual Code	Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
U		2,3,7,8-TCDF	ND	-----	0.73		2,3,7,8-TCDF-13C	2.00	77
J	DNQ	Total TCDF	1.50	-----	0.73	J	2,3,7,8-TCDD-13C	2.00	80
							1,2,3,7,8-PeCDF-13C	2.00	76
U		2,3,7,8-TCDD	ND	-----	1.20		2,3,4,7,8-PeCDF-13C	2.00	78
		Total TCDD	ND	-----	1.20		1,2,3,7,8-PeCDD-13C	2.00	79
							1,2,3,4,7,8-HxCDF-13C	2.00	86
		1,2,3,7,8-PeCDF	ND	-----	0.98		1,2,3,6,7,8-HxCDF-13C	2.00	87
		2,3,4,7,8-PeCDF	ND	-----	0.66		2,3,4,6,7,8-HxCDF-13C	2.00	89
		Total PeCDF	ND	-----	0.82		1,2,3,7,8,9-HxCDF-13C	2.00	88
							1,2,3,4,7,8-HxCDD-13C	2.00	85
		1,2,3,7,8-PeCDD	ND	-----	1.40		1,2,3,6,7,8-HxCDD-13C	2.00	93
		Total PeCDD	ND	-----	1.40		1,2,3,4,6,7,8-HpCDF-13C	2.00	90
							1,2,3,4,7,8,9-HpCDF-13C	2.00	93
J	DNQ	1,2,3,4,7,8-HxCDF	0.93	-----	0.64	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	91
U	B	1,2,3,6,7,8-HxCDF	0.91	-----	0.76	BJ	OCDD-13C	4.00	95
UJ	*10	2,3,4,6,7,8-HxCDF	-----	0.69	0.60	I			
U		1,2,3,7,8,9-HxCDF	ND	-----	0.85		1,2,3,4-TCDD-13C	2.00	NA
J	B	Total HxCDF	2.70	-----	0.71	BJ	1,2,3,7,8,9-HxCDD-13C	2.00	NA
U		1,2,3,4,7,8-HxCDD	ND	-----	0.86		2,3,7,8-TCDD-37Cl4	0.20	79
		1,2,3,6,7,8-HxCDD	ND	-----	0.73				
		1,2,3,7,8,9-HxCDD	ND	-----	0.70				
		Total HxCDD	ND	-----	0.77				
U	B	1,2,3,4,6,7,8-HpCDF	1.90	-----	0.92	BJ			
		1,2,3,4,7,8,9-HpCDF	ND	-----	1.00				
U	B	Total HpCDF	1.90	-----	0.98	BJ			
U	B	1,2,3,4,6,7,8-HpCDD	3.70	-----	0.93	BJ			
J	B, DNQ	Total HpCDD	7.20	-----	0.93	BJ			
UJ	*10	OCDF	-----	2.10	1.30	I			
J	DNQ	OCDD	17.00	-----	0.93	BJ			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....102329

AMEC VALIDATED LEVEL IV

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	INJ1887-01 Outfall 004		
Lab Sample ID	102309001		
Filename	F41116B_05		
Injected By	MRO		
Total Amount Extracted	1030 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	10/27/2004
ICAL Date	11/10/2004	Received	10/29/2004
CCal Filename(s)	F41116B_01	Extracted	11/11/2004
Method Blank ID	BLANK-5772	Analyzed	11/17/2004 00:34

Rev Qual	Qual Code	Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
U		2,3,7,8-TCDF	ND	-----	0.53		2,3,7,8-TCDF-13C	2.00	90
U		Total TCDF	ND	-----	0.53		2,3,7,8-TCDD-13C	2.00	93
							1,2,3,7,8-PeCDF-13C	2.00	87
U		2,3,7,8-TCDD	ND	-----	0.76		2,3,4,7,8-PeCDF-13C	2.00	90
U		Total TCDD	ND	-----	0.76		1,2,3,7,8-PeCDD-13C	2.00	91
							1,2,3,4,7,8-HxCDF-13C	2.00	100
U		1,2,3,7,8-PeCDF	ND	-----	0.60		1,2,3,6,7,8-HxCDF-13C	2.00	99
U		2,3,4,7,8-PeCDF	ND	-----	0.66		2,3,4,6,7,8-HxCDF-13C	2.00	101
U		Total PeCDF	ND	-----	0.63		1,2,3,7,8,9-HxCDF-13C	2.00	98
							1,2,3,4,7,8-HxCDD-13C	2.00	92
U		1,2,3,7,8-PeCDD	ND	-----	0.72		1,2,3,6,7,8-HxCDD-13C	2.00	104
U		Total PeCDD	ND	-----	0.72		1,2,3,4,6,7,8-HpCDF-13C	2.00	96
							1,2,3,4,7,8,9-HpCDF-13C	2.00	93
U		1,2,3,4,7,8-HxCDF	ND	-----	0.57		1,2,3,4,6,7,8-HpCDD-13C	2.00	95
U		1,2,3,6,7,8-HxCDF	ND	-----	0.60		OCDD-13C	4.00	96
U		2,3,4,6,7,8-HxCDF	ND	-----	0.54				
U		1,2,3,7,8,9-HxCDF	ND	-----	0.59		1,2,3,4-TCDD-13C	2.00	NA
J	B, DNQ	Total HxCDF	0.82	-----	0.58	BJ	1,2,3,7,8,9-HxCDD-13C	2.00	NA
U		1,2,3,4,7,8-HxCDD	ND	-----	0.51		2,3,7,8-TCDD-37Cl4	0.20	88
U		1,2,3,6,7,8-HxCDD	ND	-----	0.42				
U		1,2,3,7,8,9-HxCDD	ND	-----	0.37				
J	B, DNQ	Total HxCDD	1.40	-----	0.43	BJ			
U		1,2,3,4,6,7,8-HpCDF	ND	-----	0.65				
U		1,2,3,4,7,8,9-HpCDF	ND	-----	0.66				
U		Total HpCDF	ND	-----	0.66				
UJ	E, D	1,2,3,4,6,7,8-HpCDD	-----	1.4	0.82	I			
J	B, DNQ	Total HpCDD	1.90	-----	0.82	BJ			
J	DNQ	OCDF	1.30	-----	0.71	J			
U	B	OCDD	16.00	-----	1.30	BJ			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....102309

AMEC VALIDATED LEVEL IV

REPORT OF LABORATORY ANALYSIS

ED 12/23/04

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1613B Analysis Results

Client - Del Mar Analytical

Client's Sample ID	INJ1888-01 Outfall 007		
Lab Sample ID	102333001		
Filename	F41117B_10		
Injected By	BAL		
Total Amount Extracted	998 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	10/27/2004
ICAL Date	11/10/2004	Received	10/29/2004
CCal Filename(s)	F41117A_11	Extracted	11/11/2004
Method Blank ID	BLANK-5772	Analyzed	11/18/2004 03:06

	Native Isomers	Conc pg/L	EMPC pg/L	LOD pg/L		Internal Standards	ng's Added	Percent Recovery
U	2,3,7,8-TCDF	ND	-----	0.81		2,3,7,8-TCDF-13C	2.00	86
	Total TCDF	ND	-----	0.81		2,3,7,8-TCDD-13C	2.00	85
						1,2,3,7,8-PeCDF-13C	2.00	92
	2,3,7,8-TCDD	ND	-----	1.50		2,3,4,7,8-PeCDF-13C	2.00	93
	Total TCDD	ND	-----	1.50		1,2,3,7,8-PeCDD-13C	2.00	95
						1,2,3,4,7,8-HxCDF-13C	2.00	104
	1,2,3,7,8-PeCDF	ND	-----	1.20		1,2,3,6,7,8-HxCDF-13C	2.00	101
	2,3,4,7,8-PeCDF	ND	-----	0.87		2,3,4,6,7,8-HxCDF-13C	2.00	104
	Total PeCDF	ND	-----	1.10		1,2,3,7,8,9-HxCDF-13C	2.00	103
						1,2,3,4,7,8-HxCDD-13C	2.00	98
	1,2,3,7,8-PeCDD	ND	-----	1.30		1,2,3,6,7,8-HxCDD-13C	2.00	100
	Total PeCDD	ND	-----	1.30		1,2,3,4,6,7,8-HpCDF-13C	2.00	92
						1,2,3,4,7,8,9-HpCDF-13C	2.00	87
	1,2,3,4,7,8-HxCDF	ND	-----	0.92		1,2,3,4,6,7,8-HpCDD-13C	2.00	86
	1,2,3,6,7,8-HxCDF	ND	-----	0.59		OCDD-13C	4.00	88
	2,3,4,6,7,8-HxCDF	ND	-----	0.59				
	1,2,3,7,8,9-HxCDF	ND	-----	0.91		1,2,3,4-TCDD-13C	2.00	NA
	Total HxCDF	ND	-----	0.75		1,2,3,7,8,9-HxCDD-13C	2.00	NA
	1,2,3,4,7,8-HxCDD	ND	-----	0.90		2,3,7,8-TCDD-37Cl4	0.20	91
	1,2,3,6,7,8-HxCDD	ND	-----	1.30				
	1,2,3,7,8,9-HxCDD	ND	-----	1.20				
	Total HxCDD	ND	-----	1.10				
	1,2,3,4,6,7,8-HpCDF	ND	-----	0.77				
	1,2,3,4,7,8,9-HpCDF	ND	-----	1.00				
	Total HpCDF	ND	-----	0.91				
U J	#10 1,2,3,4,6,7,8-HpCDD	-----	2.9	1.30	I			
J	DNQ Total HpCDD	2.6	-----	1.30	BJ			
U	OCDF	ND	-----	1.80				
U	B OCDD	25.0	-----	3.10	BJ			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LOD = Limit of Detection. Totals are averages of individual isomer LODs.
D = Result obtained from analysis of diluted sample
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
J = Concentration detected is below the calibration range
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....102333

AMEC VALIDATED LEVEL IV

REPORT OF LABORATORY ANALYSIS

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compounds (calibration by isotope dilution) and ≤35% for the 2 native and all labeled compounds (calibration by internal standard). The relative retention times and ion abundance ratios were within the QC limits listed in Method 1613 for all standards. A representative number of %RSDs was verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

2.3.2 Continuing Calibration

Calibration verification (VER) consisted of a mid-level standard (CS3) analyzed at the beginning and end of each analytical sequence. The laboratory only provided only the VERs analyzed at the beginning of the sequence (unless the closing VER is also a beginning VER of a following sequence). The VERs were acceptable with the concentrations within the acceptance criteria listed in the Table 6 of the EPA Method 1613. The ion abundance ratios and relative retention times were within the method QC limits. A representative number of %Ds was verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

2.4 BLANKS

One method blank was extracted and analyzed with the samples in these SDGs. The method blank had detects for 1,2,3,6,7,8-HxCDD, 1,2,3,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,6,7,8-HpCDD, OCDD, Total HxCDF, total HxCDD, total HpCDF, total HpCDD. Detects for 1,2,3,6,7,8-HxCDD, 1,2,3,4,6,7,8-HpCDF, and total HpCDF in Outfall 003 1,2,3,4,6,7,8-HpCDF and total HpCDF in Outfall 004, 1,2,3,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,6,7,8-HpCDD, total HpCDF, and OCDD in Outfall 005, and OCDD in Outfalls 006 and 007 were qualified as nondetects, "U." Total HxCDF and total HxCDD in Outfall 003, total HxCDF and total HpCDD in Outfall 005 were qualified as estimated, "J." No further qualifications were required.

2.5 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

One pair of LCS/LCSD was extracted and analyzed with the samples in these SDGs. All recoveries were within the acceptance criteria listed in Table 6 of the Method 1613. There were no QC limits established for RPDs. The reported RPDs were within ±20%. No qualifications were required.

2.6 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MS/MSD analyses were not performed on the samples in these SDGs. Evaluation of method accuracy and precision was based on the LCS/LCSD results. No qualifications were required.

2.7 FIELD QC SAMPLES

Following are findings associated with field QC:

2.7.1 Field Blanks and Equipment Rinsates

The samples in these SDGs had no associated field QC samples. No qualifications were required.

2.7.2 Field Duplicates

No field duplicate was identified in these SDGs. No qualifications were required.

2.8 INTERNAL STANDARDS

The labeled standard recoveries were within the acceptance criteria listed in Table 7 of Method 1613. No qualifications were required.

2.9 COMPOUND IDENTIFICATION

The laboratory analyzed for polychlorinated dioxins/furans by EPA Method 1613. The compound identifications were verified from the raw data and no false negatives or positives were noted. No qualifications were required.

2.10 COMPOUND QUANTIFICATION AND REPORTED DETECTION LIMITS

Compound quantitation was verified from the raw data. The laboratory calculated and reported compound-specific detection limits. All results reported as EMPCs were qualified as estimated nondetect, "UJ." No further qualifications were required.

CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

MEC[X]
12269 East Vassar Drive
Aurora, CO 80014

Package ID: B4WC88
Task Order: 1261.001D.01
SDG No.: IPE2104
No. of Analyses: 1

Laboratory: Del Mar Analytical
Reviewer: P. Meeks
Analysis/Method: General Minerals

Date: July 21, 2006
Reviewer's Signature
P. Mee

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	
Holding Times	
GC/MS Tune/Inst. Performance	
Calibration	
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification	
Quantitation	
System Performance	
COMMENTS[b]	Acceptable as reviewed.

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

DATA VALIDATION REPORT

NPDES Sampling
Outfall 004

ANALYSIS: GENERAL MINERALS

SAMPLE DELIVERY GROUP: IPE2104

Prepared by

MEC^X, LLC
12269 East Vassar Drive
Aurora, CO 80014

1. INTRODUCTION

Task Order Title:	NPDES Sampling
MEC^X Project Number:	1261.001D.01
Sample Delivery Group:	IPE2104
Project Manager:	P. Costa
Matrix:	Water
Analysis:	General Minerals
QC Level:	Level IV
No. of Samples:	1
No. of Reanalyses/Dilutions:	0
Reviewer:	P. Meeks
Date of Review:	July 21, 2006

The sample listed in Table 1 was validated based on the guidelines outlined in the *MEC^X Data Validation Procedure for General Minerals (DVP-6, Rev. 0)*, *USEPA Methods for Chemical Analysis of Water and Wastes Methods 160.1, 160.2, 300.0, and 413.1*, and validation guidelines outlined in the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review* (2/94). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form Is as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Client ID	Laboratory ID	Matrix	COC Method
Outfall 004	IPE2104-01	Water	General Minerals

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The sample in this SDG was received at the laboratory within the temperature limits of 4°C ± 2°C, at 3°C. No preservation problems were noted by the laboratory. No qualifications were required.

2.1.2 Chain of Custody

The COC was signed and dated by field and laboratory personnel and accounted for the sample and all analyses presented in this SDG. As the sample was couriered directly from the field to the laboratory, custody seals were not necessary. No qualifications were required.

2.1.3 Holding Times

The holding times were assessed by comparing the date of collection with the dates of analysis. All analyses were performed within the method-specified holding times. No qualifications were required.

2.2 CALIBRATION

For the analytes determined by method 300.0, the r^2 results were ≥0.995 and the ICV and CCV results were within the control limits of 90-110%. For the remaining analyses, balance calibration logs provided by the laboratory were reviewed and found to be acceptable. No qualifications were required.

2.3 BLANKS

There were no detects in the method blanks or CCBs associated with the sample analyses. Raw data was reviewed to verify the blank data. No qualifications were required.

2.4 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

The reported LCS recoveries were within the laboratory-established control limits. The laboratory did not report an LCS recovery for nitrate/nitrite; however, the reviewer checked the raw data and found this result to be acceptable. No qualifications were required.

2.5 LABORATORY DUPLICATES

No laboratory duplicate analyses were performed in association with the sample in this SDG; therefore, no assessment was made with respect to this criterion.

2.6 MATRIX SPIKES

No MS/MSD analyses were performed in association with the sample in this SDG; therefore, no assessment was made with respect to this criterion. Evaluation of method accuracy was based on the LCS results. No qualifications were required.

2.7 SAMPLE RESULT VERIFICATION

A Level IV review was performed for the sample in this data package. Calculations were verified, and the sample results reported on the Form I were verified against the raw data. No qualifications were required.

2.8 FIELD QC SAMPLES

Field QC samples are evaluated, and if necessary, qualified based only on laboratory blanks. Any remaining detects are used to evaluate the associated sample. The following are findings associated with field QC samples:

2.8.1 Field Blanks and Equipment Rinsates

The sample in this SDG had no associated field QC samples. No qualifications were required.

2.8.2 Field Duplicates

There were no field duplicate pairs associated with this SDG.

Del Mar Analytical

17461 Derian Ave., Suite 100, Irvine, CA 92614 (949) 261-1022 FAX (949) 260-3297
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9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 004

Report Number: IPE2104

Sampled: 05/22/06
Received: 05/22/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPE2104-01 (Outfall 004 - Water) - cont.									
Reporting Units: mg/l									
Chloride	EPA 300.0	6E22054	0.15	0.50	**20**	1	05/22/06	05/22/06	
Nitrate/Nitrite-N	EPA 300.0	6E22054	0.080	0.15	**0.79**	1	05/22/06	05/22/06	
Oil & Grease	EPA 413.1	6E24059	0.90	4.8	ND	1	05/24/06	05/24/06	U
Sulfate	EPA 300.0	6E22054	0.45	0.50	**7.3**	1	05/22/06	05/22/06	
Total Dissolved Solids	SM2540C	6E23074	10	10	**140**	1	05/23/06	05/23/06	
Total Suspended Solids	EPA 160.2	6E24118	10	10	ND	1	05/24/06	05/24/06	U

Qual Code

Del Mar Analytical - Irvine
Michele Chamberlin
Project Manager

LEVEL IV

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical

CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

MEC[X]
12269 East Vassar Drive
Aurora, CO 80014

Package ID: B4WC26
Task Order: 1261.001D.01
SDG No.: IPB1810
No. of Analyses: 1

Laboratory: Del Mar Analytical
Reviewer: P. Meeks
Analysis/Method: General Minerals

Date: April 3, 2006
Reviewer's Signature
P. Meeks

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	
Holding Times	
GC/MS Tune/Inst Performance	
Calibration	
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification	
Quantitation	
System Performance	
COMMENTS[b]	Acceptable as reviewed.

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

DATA VALIDATION REPORT

NPDES Sampling
Outfall 004

ANALYSIS: GENERAL MINERALS

SAMPLE DELIVERY GROUP: IPB1810

Prepared by

MEC^X, LLC
12269 East Vassar Drive
Aurora, CO 80014

1. INTRODUCTION

Task Order Title:	NPDES Sampling
MEC^X Project Number:	1261.001D.01
Sample Delivery Group:	IPB1810
Project Manager:	P. Costa
Matrix:	Water
Analysis:	General Minerals
QC Level:	Level IV
No. of Samples:	1
No. of Reanalyses/Dilutions:	0
Reviewer:	P. Meeks
Date of Review:	April 3, 2006

The sample listed in Table 1 was validated based on the guidelines outlined in the *MEC^X Data Validation Procedure for General Minerals (DVP-6, Rev. 0)*, *USEPA Methods for Chemical Analysis of Water and Wastes Methods 160.2 and, 335.2*, and validation guidelines outlined in the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review* (2/94). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form Is as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Client ID	Laboratory ID	Matrix	COC Method
Outfall 004	IPB1810-01	Water	General Minerals

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The sample in this SDG was received at the laboratory within the temperature limits of 4°C ± 2°C, at 3°C. No preservation problems were noted by the laboratory. No qualifications were required.

2.1.2 Chain of Custody

The COC was signed and dated by field and laboratory personnel and accounted for the sample and analyses presented in this SDG. As the sample was couriered directly from the field to the laboratory, custody seals were not necessary. No qualifications were required.

2.1.3 Holding Times

The holding times were assessed by comparing the date of collection with the dates of analysis. All analyses were performed within the method-specified holding times. No qualifications were required.

2.2 CALIBRATION

For cyanide, the initial calibration correlation coefficients were ≥0.995 and the ICV and CCV recoveries were within the control limits of 90-110%. For TSS, balance calibration logs were reviewed and found to be acceptable. No qualifications were required.

2.3 BLANKS

There were no detects in the method blanks or CCBs associated with the sample analyses. Raw data was reviewed to verify the blank data. No qualifications were required.

2.4 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

The reported LCS recoveries were within the laboratory-established control limits. No qualifications were required.

2.5 LABORATORY DUPLICATES

No MS/MSD or duplicate analyses were performed in association with this SDG; therefore, no assessment was made with respect to this criterion.

2.6 MATRIX SPIKES

No MS/MSD analyses were performed in association with this SDG; therefore, no assessment was made with respect to this criterion. Evaluation of method accuracy was based on LCS results. No qualifications were required.

2.7 SAMPLE RESULT VERIFICATION

A Level IV review was performed for the sample in this data package. Calculations were verified, and the sample results reported on the Form Is were verified against the raw data. No qualifications were required.

2.8 FIELD QC SAMPLES

Field QC samples are evaluated, and if necessary, qualified based only on laboratory blanks. Any remaining detects are used to evaluate the associated sample. The following are findings associated with field QC samples:

2.8.1 Field Blanks and Equipment Rinsates

The sample in this SDG had no associated field QC samples. No qualifications were required.

2.8.2 Field Duplicates

There were no field duplicate pairs associated with this SDG.

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Del Mar Analytical

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Annual Outfall 004

Report Number: IPB1810

Sampled: 02/18/06
Received: 02/18/06

INORGANICS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPB1810-01 (Outfall 004 - Water) - cont.									Rpt. Qual. / Surr. Code
Reporting Units: mg/l									
Chloride	EPA 300.0	6B19038	0.75	2.5	**39**	5	02/19/06	02/19/06	*
Nitrate/Nitrite-N	EPA 300.0	6B19038	0.080	0.15	**0.59**	1	02/19/06	02/19/06	
Oil & Grease	EPA 413.1	6B22047	0.90	4.8	ND	1	02/22/06	02/22/06	
Sulfate	EPA 300.0	6B19038	0.45	0.50	**6.3**	1	02/19/06	02/19/06	
Total Dissolved Solids	SM2540C	6B22069	10	10	**190**	1	02/22/06	02/22/06	
Total Suspended Solids	EPA 160.2	6B22101	10	10	**43**	1	02/22/06	02/22/06	

* Analysis not validated

Del Mar Analytical - Irvine
Michele Chamberlin
Project Manager

LEVEL IV

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Annual Outfall 004

Report Number: IPB1810

Sampled: 02/18/06
Received: 02/18/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPB1810-01 (Outfall 004 - Water) - cont.									
Reporting Units: ug/l									
Total Cyanide	EPA 335.2	6B22127	2.2	5.0	ND	1	02/22/06	02/22/06	U
Perchlorate	EPA 314.0	6B23071	0.80	4.0	ND	1	02/23/06	02/23/06	*

* Analysis not validated

Del Mar Analytical - Irvine
Michele Chamberlin
Project Manager

LEVEL IV

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CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

MEC[X]
12269 East Vassar Drive
Aurora, CO 80014

Package ID: B4VO26
Task Order: 1261.001D.01
SDG No.: IPB1810
No. of Analyses: 2

Laboratory: Del Mar Analytical
Reviewer: L. Calvin
Analysis/Method: Volatiles by Method 624

Date: April 6, 2006
Reviewer's Signature: AC Calvin

ACTION ITEMS[a]	
Case Narrative Deficiencies	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications were assigned for the following:
Holding Times	--RRFs <0.05 in initial and continuing calibrations
GC/MS Tune/Inst. Performance	-- continuing calibration %D >20%
Calibration	
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification	
Quantitation	
System Performance	

COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

DATA VALIDATION REPORT

NPDES Monitoring Program
Annual Outfall 004

ANALYSIS: VOLATILES

SAMPLE DELIVERY GROUP: IPB1810

Prepared by

MEC^X, LLC
12269 East Vassar Drive
Aurora, CO 80014

1. INTRODUCTION

Task Order Title:	NPDES
MEC^X Project Number:	1261.001D.01
Sample Delivery Group:	IPB1810
Project Manager:	P. Costa
Matrix:	Water
Analysis:	Volatiles
QC Level:	Level IV
No. of Samples:	2
No. of Reanalyses/Dilutions:	0
Reviewer:	L. Calvin
Date of Review:	April 6, 2006

The samples listed in Table 1 were validated based on the guidelines outlined in the *MEC^X Data Validation Procedure for Volatile Organics (DVP-2, Rev. 0)*, *EPA Method 624*, and the *National Functional Guidelines for Organic Data Review* (2/94). Any deviations from these procedures are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Client ID	Laboratory ID	Matrix	COC Method
Outfall 004	IPB1810-01	Water	624
Trip Blank	IPB1810-02	Water	624

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

The samples in this SDG were received at the laboratory within the temperature limits of 4°C ±2°C, at 3°C. According to the case narrative for this SDG, the samples were received intact, on ice, and properly preserved. An unpreserved aliquot of each sample was also provided. Information regarding lack of headspace in the VOA vials was not provided. No qualifications were required.

2.1.2 Chain of Custody

The COC was signed and dated by both field and laboratory personnel. As the samples were couriered directly to the laboratory, custody seals were not required. No qualifications were required.

2.1.3 Holding Times

The unpreserved aliquots of the water samples were analyzed for all target compounds within seven days of collection. No qualifications were required.

2.2 GC/MS TUNING

The BFB tune performed at the beginning of each daily analytical sequence met the abundance criteria specified in EPA Method 624. No qualifications were required.

2.3 CALIBRATION

Two initial calibrations were associated with the samples in this SDG, dated 10/19/05 (acrolein and acrylonitrile only) and 02/18/06 (all remaining target compounds). The average RRF for acrolein was less than 0.05. The nondetect results for acrolein were rejected, "R," in both samples of this SDG. The remaining average RRFs were ≥0.05, and the %RSDs were ≤35% or r^2 ≥0.995 for the target compounds listed on the sample result summary forms.

The continuing calibrations associated with the sample analyses were dated 02/19/06. The RRF for acrolein was less than 0.05. The nondetect results for acrolein were rejected, "R," in both samples of this SDG. The remaining RRFs for were ≥0.05 and all %Ds were within the QC limit of ≤20%, with the exception of the %Ds for acrolein and 2-chloroethyl vinyl ether. The nondetect result for 2-chloroethyl vinyl ether was qualified as estimated, "UJ," in sample Outfall 004. Sample Trip Blank was a field QC sample and required no qualification. As acrolein was previously rejected for RRFs <0.05. the results were not further qualified. No further qualifications were required.

2.4 BLANKS

One method blank (6B19012-BLK1) was analyzed with this SDG. No target compounds were detected in the method blank. Review of the method blank raw data indicated no false negatives. No qualifications were required.

2.5 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

One blank spike (6B19012-BS1) was analyzed with this SDG. Target compounds acrolein and acrylonitrile were not included in the spike. All recoveries were within the laboratory-established QC limits. No qualifications were required.

2.6 SURROGATE RECOVERY

Surrogate recoveries were within the laboratory QC limits of 80-120% for this SDG. No qualifications were required.

2.7 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MS/MSD analyses were not performed on the site sample in this SDG. Evaluation of method accuracy was based on the blank spike results. No qualifications were required.

2.8 FIELD QC SAMPLES

Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

2.8.1 Trip Blanks

Sample Trip Blank was the trip blank associated with site sample Outfall 004. No target compounds were detected in the trip blank. No qualifications were required.

2.8.2 Field Blanks and Equipment Rinsates

There were no field blank or equipment rinsate samples identified for this SDG. No qualifications were required.

2.8.3 Field Duplicates

There were no field duplicate samples identified for this SDG.

2.9 INTERNAL STANDARDS PERFORMANCE

The internal standard area counts and retention times were within the control limits established by the continuing calibration standard: -50%/+100% for internal standard areas and ±30 seconds for retention times. The recoveries were checked from the raw data, and no transcription or calculation errors were noted. No qualifications were required.

2.10 COMPOUND IDENTIFICATION

The laboratory analyzed for volatile target compounds by EPA Method 624. Review of the sample chromatograms, retention times, and spectra indicated no problems with target compound identification. No qualifications were required.

2.11 COMPOUND QUANTIFICATION AND REPORTED DETECTION LIMITS

Compound quantification is verified at a Level IV data validation. No calculation or transcription errors were found. The reporting limits were supported by the low point of the initial calibration and the laboratory MDLs. No qualifications were required.

2.12 TENTATIVELY IDENTIFIED COMPOUNDS

TICs were not reported by the laboratory for this SDG. No qualifications were required.

2.13 SYSTEM PERFORMANCE

Review of the raw data indicated no problems with system performance. No qualifications were required.

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Annual Outfall 004

Report Number: IPB1810

Sampled: 02/18/06
Received: 02/18/06

PURGEABLES BY GC/MS (EPA 624)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPB1810-01 (Outfall 004 - Water)									
Reporting Units: ug/l									
Benzene	EPA 624	6B19012	0.28	1.0	ND	1	02/19/06	02/19/06	
Bromodichloromethane	EPA 624	6B19012	0.30	2.0	ND	1	02/19/06	02/19/06	
Bromoform	EPA 624	6B19012	0.32	5.0	ND	1	02/19/06	02/19/06	
Bromomethane	EPA 624	6B19012	0.42	5.0	ND	1	02/19/06	02/19/06	
Carbon tetrachloride	EPA 624	6B19012	0.28	0.50	ND	1	02/19/06	02/19/06	
Chlorobenzene	EPA 624	6B19012	0.36	2.0	ND	1	02/19/06	02/19/06	
Chloroethane	EPA 624	6B19012	0.40	5.0	ND	1	02/19/06	02/19/06	
Chloroform	EPA 624	6B19012	0.33	2.0	ND	1	02/19/06	02/19/06	
Chloromethane	EPA 624	6B19012	0.30	5.0	ND	1	02/19/06	02/19/06	
Dibromochloromethane	EPA 624	6B19012	0.28	2.0	ND	1	02/19/06	02/19/06	
1,2-Dichlorobenzene	EPA 624	6B19012	0.32	2.0	ND	1	02/19/06	02/19/06	
1,3-Dichlorobenzene	EPA 624	6B19012	0.35	2.0	ND	1	02/19/06	02/19/06	
1,4-Dichlorobenzene	EPA 624	6B19012	0.37	2.0	ND	1	02/19/06	02/19/06	
1,1-Dichloroethane	EPA 624	6B19012	0.27	2.0	ND	1	02/19/06	02/19/06	
1,2-Dichloroethane	EPA 624	6B19012	0.28	0.50	ND	1	02/19/06	02/19/06	
1,1-Dichloroethene	EPA 624	6B19012	0.42	5.0	ND	1	02/19/06	02/19/06	
trans-1,2-Dichloroethene	EPA 624	6B19012	0.27	2.0	ND	1	02/19/06	02/19/06	
1,2-Dichloropropane	EPA 624	6B19012	0.35	2.0	ND	1	02/19/06	02/19/06	
cis-1,3-Dichloropropene	EPA 624	6B19012	0.22	2.0	ND	1	02/19/06	02/19/06	
trans-1,3-Dichloropropene	EPA 624	6B19012	0.32	2.0	ND	1	02/19/06	02/19/06	
Ethylbenzene	EPA 624	6B19012	0.25	2.0	ND	1	02/19/06	02/19/06	
Methylene chloride	EPA 624	6B19012	0.70	5.0	ND	1	02/19/06	02/19/06	
1,1,2,2-Tetrachloroethane	EPA 624	6B19012	0.24	2.0	ND	1	02/19/06	02/19/06	
Tetrachloroethene	EPA 624	6B19012	0.32	2.0	ND	1	02/19/06	02/19/06	
Toluene	EPA 624	6B19012	0.36	2.0	ND	1	02/19/06	02/19/06	
1,1,1-Trichloroethane	EPA 624	6B19012	0.30	2.0	ND	1	02/19/06	02/19/06	
1,1,2-Trichloroethane	EPA 624	6B19012	0.30	2.0	ND	1	02/19/06	02/19/06	
Trichloroethene	EPA 624	6B19012	0.26	2.0	ND	1	02/19/06	02/19/06	
Trichlorofluoromethane	EPA 624	6B19012	0.34	5.0	ND	1	02/19/06	02/19/06	
Vinyl chloride	EPA 624	6B19012	0.26	0.50	ND	1	02/19/06	02/19/06	
Xylenes, Total	EPA 624	6B19012	0.90	4.0	ND	1	02/19/06	02/19/06	
Trichlorotrifluoroethane (Freon 113)	EPA 624	6B19012	1.2	5.0	ND	1	02/19/06	02/19/06	
Surrogate: Dibromofluoromethane (80-120%)					*114 %*				
Surrogate: Toluene-d8 (80-120%)					*110 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*106 %*				

Del Mar Analytical - Irvine
Michele Chamberlin
Project Manager

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Annual Outfall 004

Report Number: IPB1810

Sampled: 02/18/06
Received: 02/18/06

PURGEABLES BY GC/MS (EPA 624)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPB1810-02 (Trip Blanks - Water)									
Reporting Units: ug/l									
Benzene	EPA 624	6B19012	0.28	1.0	ND	1	02/19/06	02/19/06	
Bromodichloromethane	EPA 624	6B19012	0.30	2.0	ND	1	02/19/06	02/19/06	
Bromoform	EPA 624	6B19012	0.32	5.0	ND	1	02/19/06	02/19/06	
Bromomethane	EPA 624	6B19012	0.42	5.0	ND	1	02/19/06	02/19/06	
Carbon tetrachloride	EPA 624	6B19012	0.28	0.50	ND	1	02/19/06	02/19/06	
Chlorobenzene	EPA 624	6B19012	0.36	2.0	ND	1	02/19/06	02/19/06	
Chloroethane	EPA 624	6B19012	0.40	5.0	ND	1	02/19/06	02/19/06	
Chloroform	EPA 624	6B19012	0.33	2.0	ND	1	02/19/06	02/19/06	
Chloromethane	EPA 624	6B19012	0.30	5.0	ND	1	02/19/06	02/19/06	
Dibromochloromethane	EPA 624	6B19012	0.28	2.0	ND	1	02/19/06	02/19/06	
1,2-Dichlorobenzene	EPA 624	6B19012	0.32	2.0	ND	1	02/19/06	02/19/06	
1,3-Dichlorobenzene	EPA 624	6B19012	0.35	2.0	ND	1	02/19/06	02/19/06	
1,4-Dichlorobenzene	EPA 624	6B19012	0.37	2.0	ND	1	02/19/06	02/19/06	
1,1-Dichloroethane	EPA 624	6B19012	0.27	2.0	ND	1	02/19/06	02/19/06	
1,2-Dichloroethane	EPA 624	6B19012	0.28	0.50	ND	1	02/19/06	02/19/06	
1,1-Dichloroethene	EPA 624	6B19012	0.42	5.0	ND	1	02/19/06	02/19/06	
trans-1,2-Dichloroethene	EPA 624	6B19012	0.27	2.0	ND	1	02/19/06	02/19/06	
1,2-Dichloropropane	EPA 624	6B19012	0.35	2.0	ND	1	02/19/06	02/19/06	
cis-1,3-Dichloropropene	EPA 624	6B19012	0.22	2.0	ND	1	02/19/06	02/19/06	
trans-1,3-Dichloropropene	EPA 624	6B19012	0.32	2.0	ND	1	02/19/06	02/19/06	
Ethylbenzene	EPA 624	6B19012	0.25	2.0	ND	1	02/19/06	02/19/06	
Methylene chloride	EPA 624	6B19012	0.70	5.0	ND	1	02/19/06	02/19/06	
1,1,2,2-Tetrachloroethane	EPA 624	6B19012	0.24	2.0	ND	1	02/19/06	02/19/06	
Tetrachloroethene	EPA 624	6B19012	0.32	2.0	ND	1	02/19/06	02/19/06	
Toluene	EPA 624	6B19012	0.36	2.0	ND	1	02/19/06	02/19/06	
1,1,1-Trichloroethane	EPA 624	6B19012	0.30	2.0	ND	1	02/19/06	02/19/06	
1,1,2-Trichloroethane	EPA 624	6B19012	0.30	2.0	ND	1	02/19/06	02/19/06	
Trichloroethene	EPA 624	6B19012	0.26	2.0	ND	1	02/19/06	02/19/06	
Trichlorofluoromethane	EPA 624	6B19012	0.34	5.0	ND	1	02/19/06	02/19/06	
Vinyl chloride	EPA 624	6B19012	0.26	0.50	ND	1	02/19/06	02/19/06	
Xylenes, Total	EPA 624	6B19012	0.90	4.0	ND	1	02/19/06	02/19/06	
Trichlorotrifluoroethane (Freon 113)	EPA 624	6B19012	1.2	5.0	ND	1	02/19/06	02/19/06	
Surrogate: Dibromofluoromethane (80-120%)					*111 %*				
Surrogate: Toluene-d8 (80-120%)					*110 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*105 %*				

Del Mar Analytical - Irvine
Michele Chamberlin
Project Manager

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Annual Outfall 004

Report Number: IPB1810

Sampled: 02/18/06
Received: 02/18/06

PURGEABLES– GC/MS (EPA 624)

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPB1810-01 (Outfall 004 - Water)									
Reporting Units: ug/l									
Acrolein	EPA 624	6B19012	4.6	50	ND	1	02/19/06	02/19/06	
Acrylonitrile	EPA 624	6B19012	0.70	50	ND	1	02/19/06	02/19/06	
2-Chloroethyl vinyl ether	EPA 624	6B19012	1.8	5.0	ND	1	02/19/06	02/19/06	
Surrogate: Dibromofluoromethane (80-120%)					*114 %*				
Surrogate: Toluene-d8 (80-120%)					*110 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*106 %*				
Sample ID: IPB1810-02 (Trip Blanks - Water)									
Reporting Units: ug/l									
Acrolein	EPA 624	6B19012	4.6	50	ND	1	02/19/06	02/19/06	
Acrylonitrile	EPA 624	6B19012	0.70	50	ND	1	02/19/06	02/19/06	
2-Chloroethyl vinyl ether	EPA 624	6B19012	1.8	5.0	ND	1	02/19/06	02/19/06	
Surrogate: Dibromofluoromethane (80-120%)					*111 %*				
Surrogate: Toluene-d8 (80-120%)					*110 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*105 %*				

Del Mar Analytical - Irvine
Michele Chamberlin
Project Manager

Level II

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CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

MEC[X]
12269 East Vassar Drive
Aurora, CO 80014

Package ID: B4SV21
Task Order: 1261.001D.01
SDG No.: IPB1810
No. of Analyses: 1

Laboratory: Del Mar Analytical
Reviewer: L. Calvin
Analysis/Method: Semivolatiles by Method 625

Date: April 6, 2006
Reviewer's Signature: L Calvin

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications were assigned for the following
Holding Times	--LCS/LCSD RPDs above the QC limit
GC/MS Tune/Inst. Performance	
Calibration	
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification	
Quantitation	
System Performance	

COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

DATA VALIDATION REPORT

NPDES Monitoring Program
Annual Outfall 004

ANALYSIS: SEMIVOLATILES

SAMPLE DELIVERY GROUP IPB1810

Prepared by

MEC^X, LLC
12269 East Vassar Drive
Aurora, CO 80014

1. INTRODUCTION

Task Order Title:	NPDES
MEC^X Project Number:	1261.001D.01
Sample Delivery Group:	IPB1810
Project Manager:	P. Costa
Matrix:	Water
Analysis:	Semivolatiles
QC Level:	Level IV
No. of Samples:	1
No. of Reanalyses/Dilutions:	0
Reviewer:	L. Calvin
Date of Review:	April 6, 2006

The samples listed in Table 1 were validated based on the guidelines outlined in *the MEC^X Data Validation Procedure for Levels C and D Semivolatile Organics (DVP-3, Rev. 0)*, *EPA Method 625*, and the *National Functional Guidelines For Organic Data Review* (2/94). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Client ID	Laboratory ID	Matrix	COC Method
Outfall 004	IPB1810-01	Water	625

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The sample in this SDG was received at the laboratory within the temperature limits of 4°C ±2°C at 3°C. No sample preservation, handling, or transport problems were noted, and no qualifications were necessary.

2.1.2 Chain of Custody

The COC was signed and dated by field and laboratory personnel. The COC accounted for the analysis presented in this SDG. As the sample was couriered directly from the field to the laboratory, custody seals were not necessary. No qualifications were required.

2.1.3 Holding Times

The water sample was extracted within seven days of collection and analyzed within 40 days of extraction. No qualifications were required.

2.2 GC/MS TUNING

The DFTPP tunes analyzed at the beginning of each daily analytical sequence met the abundance criteria specified in EPA Method 625. No qualifications were required.

2.3 CALIBRATION

One initial calibration analyzed 02/27/06 was associated with the sample in this SDG. The %RSDs for all target compounds were ≤35%. An initial calibration verification (ICV) was analyzed following the initial calibration, with %Ds for all target compounds within the QC limits of ≤20%. Sample Outfall 004 was analyzed in the same analytical sequence as the initial calibration and ICV; therefore a continuing calibration was not necessary. No qualifications were required.

2.4 BLANKS

One method blank (6B19029-BLK1) was extracted and analyzed with this SDG. Target compounds were not detected above the MDLs in the method blank. Review of the method blank raw data indicated no false negatives. No qualifications were required.

2.5 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

One blank spike/blank spike duplicate pair (6B19029-BS1/BSD1) was extracted and analyzed with this SDG. All recoveries and RPDs were within the laboratory-established QC limits, with the exception of the RPDs for benzoic acid and dimethylphthalate. Nondetect results for both compounds were qualified as estimated, "UJ," in sample Outfall 004. No further qualifications were required.

2.6 SURROGATE RECOVERY

Surrogate recoveries for the sample were within the laboratory QC limits. No qualifications were required.

2.7 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MS/MSD analyses were not performed on the sample of this SDG. Evaluation of method accuracy and precision was based on the blank spike/blank spike duplicate results. No qualifications were required.

2.8 FIELD QC SAMPLES

Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

2.8.1 Field Blanks and Equipment Rinsates

There were no field blank or equipment rinsate samples identified for this SDG. No qualifications were required.

2.8.2 Field Duplicates

There were no field duplicate samples identified for this SDG.

2.9 INTERNAL STANDARDS PERFORMANCE

The internal standard area counts and retention times for the sample were within the control limits established by the continuing calibration standard: -50%/+100% for internal standard areas and ±30 seconds for retention times. The recoveries were checked from the raw data and no transcription or calculation errors were noted. No qualifications were required.

2.10 COMPOUND IDENTIFICATION

The laboratory analyzed for semivolatile target compounds by EPA Method 625. Review of the sample chromatogram, retention times, and spectra indicated no problems with target compound identification. No qualifications were required.

2.11 COMPOUND QUANTIFICATION AND REPORTED DETECTION LIMITS

Compound quantification is verified at a Level IV data validation. No calculation or transcription errors were found. The reporting limits were supported by the low point of the initial calibration and the laboratory MDLs. Results were reported in µg/L (ppb). No qualifications were required.

2.12 TENTATIVELY IDENTIFIED COMPOUNDS

TICs were not reported by the laboratory for this SDG. No qualifications were required.

2.13 SYSTEM PERFORMANCE

Review of the raw data indicated no problems with system performance. No qualifications were required.

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Annual Outfall 004

Report Number: IPB1810

Sampled: 02/18/06
Received: 02/18/06

ACID & BASE/NEUTRALS BY GC/MS (EPA 625)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPB1810-01 (Outfall 004 - Water)									
Reporting Units: ug/l									
Acenaphthene	EPA 625	6B19029	4.1	9.5	ND	0.952	02/19/06	02/28/06	
Acenaphthylene	EPA 625	6B19029	3.0	9.5	ND	0.952	02/19/06	02/28/06	
Aniline	EPA 625	6B19029	2.8	9.5	ND	0.952	02/19/06	02/28/06	
Anthracene	EPA 625	6B19029	3.0	9.5	ND	0.952	02/19/06	02/28/06	
Benzidine	EPA 625	6B19029	5.0	19	ND	0.952	02/19/06	02/28/06	
Benzoic acid	EPA 625	6B19029	2.5	19	ND	0.952	02/19/06	02/28/06	
Benzo(a)anthracene	EPA 625	6B19029	3.5	9.5	ND	0.952	02/19/06	02/28/06	
Benzo(b)fluoranthene	EPA 625	6B19029	2.6	9.5	ND	0.952	02/19/06	02/28/06	
Benzo(k)fluoranthene	EPA 625	6B19029	3.2	9.5	ND	0.952	02/19/06	02/28/06	
Benzo(g,h,i)perylene	EPA 625	6B19029	5.0	9.5	ND	0.952	02/19/06	02/28/06	
Benzo(a)pyrene	EPA 625	6B19029	3.3	9.5	ND	0.952	02/19/06	02/28/06	
Benzyl alcohol	EPA 625	6B19029	2.4	19	ND	0.952	02/19/06	02/28/06	
Bis(2-chloroethoxy)methane	EPA 625	6B19029	3.7	9.5	ND	0.952	02/19/06	02/28/06	
Bis(2-chloroethyl)ether	EPA 625	6B19029	4.2	9.5	ND	0.952	02/19/06	02/28/06	
Bis(2-chloroisopropyl)ether	EPA 625	6B19029	4.4	9.5	ND	0.952	02/19/06	02/28/06	
Bis(2-ethylhexyl)phthalate	EPA 625	6B19029	5.0	48	ND	0.952	02/19/06	02/28/06	
4-Bromophenyl phenyl ether	EPA 625	6B19029	4.4	9.5	ND	0.952	02/19/06	02/28/06	
Butyl benzyl phthalate	EPA 625	6B19029	3.3	19	ND	0.952	02/19/06	02/28/06	
4-Chloroaniline	EPA 625	6B19029	5.7	9.5	ND	0.952	02/19/06	02/28/06	
2-Chloronaphthalene	EPA 625	6B19029	3.8	9.5	ND	0.952	02/19/06	02/28/06	
4-Chloro-3-methylphenol	EPA 625	6B19029	3.3	19	ND	0.952	02/19/06	02/28/06	
2-Chlorophenol	EPA 625	6B19029	4.0	9.5	ND	0.952	02/19/06	02/28/06	
4-Chlorophenyl phenyl ether	EPA 625	6B19029	2.9	9.5	ND	0.952	02/19/06	02/28/06	
Chrysene	EPA 625	6B19029	2.7	9.5	ND	0.952	02/19/06	02/28/06	
Dibenz(a,h)anthracene	EPA 625	6B19029	4.5	19	ND	0.952	02/19/06	02/28/06	
Dibenzofuran	EPA 625	6B19029	2.5	9.5	ND	0.952	02/19/06	02/28/06	
Di-n-butyl phthalate	EPA 625	6B19029	2.7	19	ND	0.952	02/19/06	02/28/06	
1,3-Dichlorobenzene	EPA 625	6B19029	3.9	9.5	ND	0.952	02/19/06	02/28/06	
1,4-Dichlorobenzene	EPA 625	6B19029	3.7	9.5	ND	0.952	02/19/06	02/28/06	
1,2-Dichlorobenzene	EPA 625	6B19029	4.3	9.5	ND	0.952	02/19/06	02/28/06	
3,3-Dichlorobenzidine	EPA 625	6B19029	10	19	ND	0.952	02/19/06	02/28/06	
2,4-Dichlorophenol	EPA 625	6B19029	3.9	9.5	ND	0.952	02/19/06	02/28/06	
Diethyl phthalate	EPA 625	6B19029	3.0	9.5	ND	0.952	02/19/06	02/28/06	
2,4-Dimethylphenol	EPA 625	6B19029	4.2	19	ND	0.952	02/19/06	02/28/06	
Dimethyl phthalate	EPA 625	6B19029	3.4	9.5	ND	0.952	02/19/06	02/28/06	
4,6-Dinitro-2-methylphenol	EPA 625	6B19029	4.9	19	ND	0.952	02/19/06	02/28/06	
2,4-Dinitrophenol	EPA 625	6B19029	5.0	19	ND	0.952	02/19/06	02/28/06	
2,4-Dinitrotoluene	EPA 625	6B19029	4.0	9.5	ND	0.952	02/19/06	02/28/06	
2,6-Dinitrotoluene	EPA 625	6B19029	3.0	9.5	ND	0.952	02/19/06	02/28/06	
Di-n-octyl phthalate	EPA 625	6B19029	4.5	19	ND	0.952	02/19/06	02/28/06	
Fluoranthene	EPA 625	6B19029	4.0	9.5	ND	0.952	02/19/06	02/28/06	

Del Mar Analytical - Irvine
Michele Chamberlin
Project Manager

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention Bronwyn Kelly

Project ID. Annual Outfall 004

Report Number. IPB1810

Sampled: 02/18/06
Received. 02/18/06

ACID & BASE/NEUTRALS BY GC/MS (EPA 625)

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPB1810-01 (Outfall 004 - Water) - cont.									
Reporting Units: ug/l									
Fluorene	EPA 625	6B19029	3.7	9.5	ND	0.952	02/19/06	02/28/06	
Hexachlorobenzene	EPA 625	6B19029	4.6	9.5	ND	0.952	02/19/06	02/28/06	
Hexachlorobutadiene	EPA 625	6B19029	4.0	9.5	ND	0.952	02/19/06	02/28/06	
Hexachlorocyclopentadiene	EPA 625	6B19029	3.2	19	ND	0.952	02/19/06	02/28/06	
Hexachloroethane	EPA 625	6B19029	4.0	9.5	ND	0.952	02/19/06	02/28/06	
Indeno(1,2,3-cd)pyrene	EPA 625	6B19029	5.1	19	ND	0.952	02/19/06	02/28/06	
Isophorone	EPA 625	6B19029	3.5	9.5	ND	0.952	02/19/06	02/28/06	
2-Methylnaphthalene	EPA 625	6B19029	2.9	9.5	ND	0.952	02/19/06	02/28/06	
2-Methylphenol	EPA 625	6B19029	3.5	9.5	ND	0.952	02/19/06	02/28/06	
4-Methylphenol	EPA 625	6B19029	3.6	9.5	ND	0.952	02/19/06	02/28/06	
Naphthalene	EPA 625	6B19029	4.3	9.5	ND	0.952	02/19/06	02/28/06	
2-Nitroaniline	EPA 625	6B19029	3.7	19	ND	0.952	02/19/06	02/28/06	
3-Nitroaniline	EPA 625	6B19029	4.3	19	ND	0.952	02/19/06	02/28/06	
4-Nitroaniline	EPA 625	6B19029	4.7	19	ND	0.952	02/19/06	02/28/06	
Nitrobenzene	EPA 625	6B19029	4.0	19	ND	0.952	02/19/06	02/28/06	
2-Nitrophenol	EPA 625	6B19029	4.0	9.5	ND	0.952	02/19/06	02/28/06	
4-Nitrophenol	EPA 625	6B19029	6.2	19	ND	0.952	02/19/06	02/28/06	
N-Nitrosodiphenylamine	EPA 625	6B19029	3.8	9.5	ND	0.952	02/19/06	02/28/06	
N-Nitroso-di-n-propylamine	EPA 625	6B19029	3.4	9.5	ND	0.952	02/19/06	02/28/06	
Pentachlorophenol	EPA 625	6B19029	3.8	19	ND	0.952	02/19/06	02/28/06	
Phenanthrene	EPA 625	6B19029	3.1	9.5	ND	0.952	02/19/06	02/28/06	
Phenol	EPA 625	6B19029	3.8	9.5	ND	0.952	02/19/06	02/28/06	
Pyrene	EPA 625	6B19029	3.7	9.5	ND	0.952	02/19/06	02/28/06	
1,2,4-Trichlorobenzene	EPA 625	6B19029	4.2	9.5	ND	0.952	02/19/06	02/28/06	
2,4,5-Trichlorophenol	EPA 625	6B19029	3.4	19	ND	0.952	02/19/06	02/28/06	
2,4,6-Trichlorophenol	EPA 625	6B19029	3.9	19	ND	0.952	02/19/06	02/28/06	
1,2-Diphenylhydrazine/Azobenzene	EPA 625	6B19029	4.8	19	ND	0.952	02/19/06	02/28/06	
N-Nitrosodimethylamine	EPA 625	6B19029	3.5	19	ND	0.952	02/19/06	02/28/06	
Surrogate: 2-Fluorophenol (30-120%)					*57 %*				
Surrogate: Phenol-d6 (35-120%)					*66 %*				
Surrogate: 2,4,6-Tribromophenol (45-120%)					*53 %*				
Surrogate: Nitrobenzene-d5 (45-120%)					*67 %*				
Surrogate: 2-Fluorobiphenyl (45-120%)					*68 %*				
Surrogate: Terphenyl-d14 (45-120%)					*83 %*				

Del Mar Analytical - Irvine
Michele Chamberlin
Project Manager

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CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

MEC[X]
12269 East Vassar Drive
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Package ID: B4RA2
Task Order: 1261.001D.05
SDG No.: Multiple
No. of Analyses: 4

Laboratory: Ebeline
Reviewer: P. Meeks
Analysis/Method: Radionuclides

Date: April 1, 2006
Reviewer's Signature: P. Meeks

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications were applied for preservation and low detector efficiencies.
Holding Times	
GC/MS Tune/Inst. Performance	
Calibration	
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification	
Quantitation	
System Performance	

COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

DATA VALIDATION REPORT

NPDES Sampling
Multiple Outfalls

ANALYSIS: RADIONUCLIDES

SAMPLE DELIVERY GROUPS: IPB1810, IPB1811, IPB1817, IPB1818

Prepared by

MEC^X, LLC
12269 East Vassar Drive
Aurora, CO 80014

1. INTRODUCTION

Task Order Title:	NPDES Sampling
MEC^X Project Number:	1261.001D.01
Sample Delivery Group:	IPB1810, IPB1811, IPB1817, IPB1818
Project Manager:	P. Costa
Matrix:	Water
Analysis:	Radionulcides
QC Level:	Level IV
No. of Samples:	1
No. of Reanalyses/Dilutions:	0
Reviewer:	P. Meeks
Date of Review:	April 1, 2006

The samples listed in Table 1 were validated based on the guidelines outlined in the USEPA CLP National Functional Guidelines for Inorganic Data Review (2/94). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample identification

Client ID	Del Mar ID	Eberline ID	Matrix	COC Method
Outfall 004	IPB1810-01	8650-001	water	900.0
Outfall 009	IPB1811-01	8651-001	water	900.0
Outfall 006	IPB1817-01	8652-001	water	900.0
Outfall 003	IPB1818-01	8653-001	water	900.0, 905.0

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

All the samples in these SDGs were received at Del Mar Analytical within the temperature limits of 4±2°C. No temperature information was provided by Eberline, the subcontract laboratory; however, as it is not necessary to chill radiological samples, no qualifications were required. The samples were noted to have been received intact and in good condition.

According to the Los Angeles Regional Water Quality Control Board's (LARWQCB) guidance letter dated 01/12/05, unfiltered samples should not be preserved and filtered aliquots should be preserved after filtration. The samples in these SDGs were preserved but were not filtered. As the requirements of the permit were not met, all results were qualified as estimated, "J," for detects and, "UJ," for nondetects. No further qualifications were required.

2.1.2 Chain of Custody

The original COCs were signed and dated by field and laboratory personnel and the transfer COCs were signed by personnel from both laboratories. Eberline did not list the MWH IDs on the Form Is; therefore, the reviewer edited the Form Is to reflect these IDs. The strontium analysis for Outfall 003 was requested in a memo from MWH personnel dated 2/20/06. No qualifications were required.

2.1.3 Holding Times

All samples were analyzed within the 180-day analytical holding time for preserved samples. No qualifications were required.

2.2 CALIBRATION

The laboratory calibration information included the standard certificates and applicable preparation/dilutions logs for NIST-traceability. All gross alpha detector efficiencies were less than 20%; therefore, all gross alpha results were qualified as estimated, "J," for detects and, "UJ," for nondetects. All strontium chemical yields were at least 75% and were considered acceptable. The strontium continuing calibration results were within the laboratory control limits. No further qualifications were required.

2.3 BLANKS

No measurable activities were detected in the method blanks, therefore, no qualifications were necessary.

2.4 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

Aqueous blank spikes were analyzed in association with the samples in these SDGs. The blank spike results were within the 3-sigma limits. No qualifications were necessary.

2.5 LABORATORY DUPLICATES

The laboratory performed duplicate analyses on Outfall 003. All results were within the 3-sigma limit limits. No qualifications were necessary.

2.6 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

The laboratory performed matrix spike analyses on Outfall 003 for gross alpha and gross beta. Both recoveries were within the 3-sigma limits. Analyses that involve the yielding of an analytical tracer do not require matrix spike analyses; therefore, no strontium matrix spike was performed. No qualifications were required

2.7 SAMPLE RESULT VERIFICATION

An EPA Level IV review was performed for the samples in these SDGs. The sample results and MDAs reported on the sample result form were verified against the raw data and no calculation or transcription errors were noted. No qualifications were necessary.

2.8 FIELD QC SAMPLES

Field QC samples were evaluated, and if necessary, qualified based only on laboratory blanks. Any remaining detects are used to evaluate the associated samples.

2.8.1 Field Blanks and Equipment Rinsates

The samples in these SDGs had no associated field QC samples. No qualifications were required.

2.8.2 Field Duplicates

There were no field duplicate samples in these SDGs.

Eberline Services

ANALYSIS RESULTS

SDG 8650 Client DEL MAR ANAL

Work Order R602144-01 Contract PROJECT# IPB1810

Received Date 02/21/06 Matrix WATER

Client Sample ID	Lab Sample ID	Collected	Analyzed	Nuclide	Results ± 2σ	Units	MDA	Rev Qual	Qual Code
IPB1810-31	8650-001	02/18/06	03/14/06	GrossAlpha	0.525 ± 0.63	pCi/L	0.916	U	R, X,
			03/14/06	Gross Beta	21.4 ± 1.0	pCi/L	0.873	J	

LEVEL IV

Certified by

Report Date 03/20/06

Eberline Services

ANALYSIS RESULTS

SDG 8651 | Client DEL MAR ANAL
Work Order R602145-01 | Contract PROJECT# IPB1811
Received Date 02/21/06 | Matrix WATER

Client Sample ID	Lab Sample ID	Collected	Analyzed	Nuclide	Results ± 2σ	Units	MDA
Outfall 004							
IPB1811-01	8651-001	02/18/06	03/14/06	GrossAlpha	16.3 ± 2.2	pCi/L	1.30
			03/14/06	Gross Beta	21.8 ± 1.4	pCi/L	1.43

LEVEL IV

Certified by

Report Date 03/20/06

Eberline Services

ANALYSIS RESULTS

SDG 8652
Work Order R602146-01
Received Date 02/21/06

Client DEL MAR ANAL
Contract PROJECT# IPB1817
Matrix WATER

Client Sample ID	Lab Sample ID	Collected	Analyzed	Nuclide	Results ± 2σ	Units	MDA	Rev Qual	Risk / Code
Outfall 006									
IPB1817-01	8652-001	02/19/06	03/14/06	GrossAlpha	-0.117 ± 0.44	pCi/L	0.798	U	4, #1
			03/14/06	Gross Beta	4.33 ± 0.66	pCi/L	0.885	J	4

LEVEL IV

Certified by
Report Date 03/20/06

Eberline Services

ANALYSIS RESULTS

SDG 8653 Client DEL MAR ANAL
Work Order R602147-01 Contract PROJECT# IPB1818
Received Date 02/21/06 Matrix WATER

Client Sample ID	Lab Sample ID	Collected	Analyzed	Nuclide	Results ± 2σ	Units	MDA	Rpt Qual	Qual Code
Outfall 003									
IPB1818-01	8653-001	02/19/06	03/14/06	GrossAlpha	0.735 ± 0.45	pCi/L	0.587	J	A, M
			03/14/06	Gross Beta	7.03 ± 0.74	pCi/L	0.906	J	
			03/08/06	Sr-90	0.317 ± 0.31	pCi/L	0.594	UJ	

LEVEL IV

Certified by
Report Date 03/20/06

CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

MEC[X]
12269 East Vassar Drive
Aurora, CO 80014

Package ID: B4PP6
Task Order: 1261.001D.01
SDG No.: IPB1810
No. of Analyses: 1

Laboratory: Del Mar Analytical
Reviewer: L. Calvin
Analysis/Method: Pesticides/PCBs by Method 608

Date: April 6, 2006
Reviewer's Signature: L Calvin

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4 **Missing Hardcopy Deliverables**	
5 **Incorrect Hardcopy Deliverables**	
6 **Deviations from Analysis Protocol, e.g.,**	Qualifications were assigned for the following
Holding Times	--surrogate recovery below the QC limits
GC/MS Tune/Instl. Performance	
Calibration	
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification	
Quantitation	
System Performance	

COMMENTS[b]

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

DATA VALIDATION REPORT

NPDES Monitoring Program
Annual Outfall 004

ANALYSIS: PESTICIDES / PCBs

SAMPLE DELIVERY GROUP: IPB1810

Prepared by

MEC^X, LLC
12269 East Vassar Drive
Aurora, CO 80014

1. INTRODUCTION

Task Order Title:	NPDES
MEC^X Project Number:	1261.001D.01
Sample Delivery Group:	IPB1810
Project Manager:	P. Costa
Matrix:	Water
Analysis:	Pesticides
QC Level:	Level IV
No. of Samples:	1
No. of Reanalyses/Dilutions:	0
Reviewer:	L. Calvin
Date of Review:	April 6, 2006

The samples listed in Table 1 were validated based on the guidelines outlined in the *MEC^X Data Validation Procedure for Organochlorine Pesticides and PCBs (DVP-4, Rev. 0), EPA Method 608,* and the *National Functional Guidelines for Organic Data Review* (2/94). Any deviations from these procedures are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Client ID	Laboratory ID	Matrix	COC Method
Outfall 004	IPB1810-01	Water	608

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

The sample in this SDG was received at the laboratory within the temperature limits of 4°C ±2°C, at 3°C. According to the case narrative for this SDG, the sample was received intact and on ice. No qualifications were required.

2.1.2 Chain of Custody

The COC was signed and dated by both field and laboratory personnel. As the sample was couriered directly to the laboratory, custody seals were not required. No qualifications were required.

2.1.3 Holding Times

The water sample was extracted within seven days of sample collection and analyzed within 40 days of extraction. No qualifications were required.

2.2 PESTICIDES INSTRUMENT PERFORMANCE

No resolution check standards or breakdown check standards are required by Method 608 for pesticides, and according to the raw data provided, a resolution check standard was not analyzed by the laboratory. The laboratory did analyze a breakdown check standard with the breakdown for individual components (4,4-DDT and endrin) ≤20% and ≤30% for the total, as suggested in the National Functional Guidelines. A review of the raw data indicated that the analytical run time was of sufficient length to provide adequate standard separation. The two analytical columns used in the analyses were within the guidelines specified in the methods.

According to the laboratory SOP and the initial calibration raw data, the retention time windows are ±0.10 minutes for both surrogates and target compound calibration standards. A review of the raw data indicated that the laboratory retention time criteria were met for the surrogates and pesticide calibration standards. No qualifications were required.

2.3 CALIBRATION

2.3.1 Analytical Sequence

Based on the data provided, the analytical sequences were in accordance with the requirements of Method 608. No qualifications were required.

2.3.2 Initial Calibration

There was one initial calibration dated 02/26/06 associated with the Aroclor analysis of the site sample and one dated 01/30/06 associated with the pesticide analysis. The initial calibrations consisted of six point calibrations for Aroclors 1016 and 1260 and five or six point calibrations for all pesticide target compounds on two analytical columns. The average %RSDs of the individual Aroclor peaks were within the QC limit of ≤10% or r^2 values ≥0.995 on the primary analytical column (Channel A). The %RSDs were ≤10% or r^2 values ≥0.995 on the primary column (Channel A) for all pesticide target compounds. The pesticide and average Aroclor %RSDs were also ≤10% or r^2 values ≥0.995 on the secondary column.

An ICV was analyzed immediately following each initial calibration, and the %Ds for all pesticide target compounds and Aroclors 1016 and 1260 were within the QC limit of ≤15% on both analytical columns. No qualifications were required.

2.3.3 Continuing Calibration

The pesticide and Aroclor analyses of the sample were each bracketed by two continuing calibrations. The %Ds for all pesticide target compounds and Aroclors 1016 and 1260 were within the Method QC limit of ≤15% for all calibrations on both columns, with the exception of a high response for endrin on the secondary column in the ending pesticide CCV and a low response for Aroclor 1260 in the ending Aroclor CCV. As any detects would be reported from the primary column, no qualifications were required.

2.4 BLANKS

2.4.1 Instrument Blanks

An instrument blank was analyzed at the beginning of each analytical sequence. Cross-contamination was not evident in the instrument blanks or the sample. No qualifications were necessary.

2.4.2 Method Blanks

Two water method blanks (6B24053-BLK1 for pesticides and 6B24053-BLK1 for Aroclors) were extracted and analyzed with this SDG. No pesticide target compounds or Aroclors were detected in the method blank analyses. Review of the chromatograms from both channels showed no false negatives. No qualifications were required.

2.5 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

Two blank spike/blank spike duplicate pairs (6B24053-BS1/BSD1 for pesticides and 6B24053-BS2/BSD2 for Aroclors) were analyzed with this SDG. The recoveries for all pesticide compounds

and Aroclors 1016 and 1260 were within the laboratory-established QC limits, and all RPDs were within the QC limit of ≤30% or ≤20% (Aroclor 1260 only). A representative number of recoveries and RPDs were calculated from the raw data and no calculation or transcription errors were found. No qualifications were required.

2.6 SURROGATE RECOVERY

The surrogate decachlorobiphenyl was recovered below the QC limits in the Aroclor analysis of sample Outfall 004. The laboratory benchsheet indicated a heavy emulsion in the extraction process. All Aroclor results were qualified as estimated nondetects, "UJ." Surrogate recoveries were within the laboratory-established QC limits for the pesticide analysis of the sample. The recoveries were calculated from the raw data, and no transcription or calculation errors were noted. No qualifications were required.

2.7 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MS/MSD analyses were not performed on the sample of this SDG. Evaluation of method accuracy and precision were based on the blank spike/blank spike duplicate results. No qualifications were required.

2.8 SAMPLE CLEANUP PERFORMANCE

According to the laboratory extraction benchsheets, no cleanups were performed on the water sample. No qualifications were required.

2.9 FIELD QC SAMPLES

Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

2.9.1 Field Blanks and Equipment Rinsates

There were no field blank or equipment rinsate samples identified for this SDG. No qualifications were required.

2.9.2 Field Duplicates

There were no field duplicate samples identified for this SDG.

2.10 COMPOUND IDENTIFICATION

The laboratory analyzed for pesticide target compounds and seven Aroclors by EPA Method 608. Compound identification is verified at a Level IV validation. The laboratory provided an overlay of the pesticide sample chromatogram and the pesticide standard for identification purposes. Review of chromatograms and retention times indicated no problems with compound identification for the sample in this SDG. No qualifications were required.

2.11 COMPOUND QUANTIFICATION AND REPORTED DETECTION LIMITS

Compound quantification is verified at a Level IV data validation. No calculation or transcription errors were found. The reporting limits were supported by the low point of the initial calibration and the laboratory MDLs. No qualifications were required.

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2320 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Annual Outfall 004

Report Number: IPB1810

Sampled: 02/18/06
Received: 02/18/06

ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPB1810-01 (Outfall 004 - Water) - cont.									
Reporting Units: ug/l									
Aldrin	EPA 608	6B24053	0.029	0.095	ND	0.952	02/24/06	02/24/06	
alpha-BHC	EPA 608	6B24053	0.019	0.095	ND	0.952	02/24/06	02/24/06	
beta-BHC	EPA 608	6B24053	0.014	0.095	ND	0.952	02/24/06	02/24/06	
delta-BHC	EPA 608	6B24053	0.019	0.19	ND	0.952	02/24/06	02/24/06	
gamma-BHC (Lindane)	EPA 608	6B24053	0.019	0.095	ND	0.952	02/24/06	02/24/06	
Chlordane	EPA 608	6B24053	0.19	0.95	ND	0.952	02/24/06	02/24/06	
4,4'-DDD	EPA 608	6B24053	0.019	0.095	ND	0.952	02/24/06	02/24/06	
4,4'-DDE	EPA 608	6B24053	0.024	0.095	ND	0.952	02/24/06	02/24/06	
4,4'-DDT	EPA 608	6B24053	0.033	0.095	ND	0.952	02/24/06	02/24/06	
Dieldrin	EPA 608	6B24053	0.014	0.095	ND	0.952	02/24/06	02/24/06	
Endosulfan I	EPA 608	6B24053	0.014	0.095	ND	0.952	02/24/06	02/24/06	
Endosulfan II	EPA 608	6B24053	0.038	0.095	ND	0.952	02/24/06	02/24/06	
Endosulfan sulfate	EPA 608	6B24053	0.019	0.19	ND	0.952	02/24/06	02/24/06	
Endrin	EPA 608	6B24053	0.019	0.095	ND	0.952	02/24/06	02/24/06	
Endrin aldehyde	EPA 608	6B24053	0.043	0.095	ND	0.952	02/24/06	02/24/06	
Endrin ketone	EPA 608	6B24053	0.019	0.095	ND	0.952	02/24/06	02/24/06	
Heptachlor	EPA 608	6B24053	0.029	0.095	ND	0.952	02/24/06	02/24/06	
Heptachlor epoxide	EPA 608	6B24053	0.029	0.095	ND	0.952	02/24/06	02/24/06	
Methoxychlor	EPA 608	6B24053	0.033	0.095	ND	0.952	02/24/06	02/24/06	
Toxaphene	EPA 608	6B24053	1.4	4.8	ND	0.952	02/24/06	02/24/06	
Surrogate: Tetrachloro-m-xylene (53-115%)					*35 %*				
Surrogate: Decachlorobiphenyl (45-120%)					*45 %*				

Del Mar Analytical - Irvine
Michele Chamberlin
Project Manager

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Annual Outfall 004

Report Number: IPB1810

Sampled: 02/18/06
Received: 02/18/06

TOTAL PCBS (EPA 608)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPB1810-01 (Outfall 004 - Water) - cont.									
Reporting Units: ug/l									
Aroclor 1016	EPA 608	6B24053	0.19	0.95	ND	0.952	02/24/06	02/28/06	
Aroclor 1221	EPA 608	6B24053	0.095	0.95	ND	0.952	02/24/06	02/28/06	
Aroclor 1232	EPA 608	6B24053	0.24	0.95	ND	0.952	02/24/06	02/28/06	
Aroclor 1242	EPA 608	6B24053	0.24	0.95	ND	0.952	02/24/06	02/28/06	
Aroclor 1248	EPA 608	6B24053	0.24	0.95	ND	0.952	02/24/06	02/28/06	
Aroclor 1254	EPA 608	6B24053	0.24	0.95	ND	0.952	02/24/06	02/28/06	
Aroclor 1260	EPA 608	6B24053	0.38	0.95	ND	0.952	02/24/06	02/28/06	
Surrogate: Decachlorobiphenyl (45-120%)					*39 %*				ZX

Del Mar Analytical - Irvine
Michele Chamberlin
Project Manager

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CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

MEC[X]
12269 East Vassar Drive
Aurora, CO 80014

Package ID: B4MT89
Task Order: 1261.001D.01
SDG No.: IPE2104
No. of Analyses: 2

Laboratory: Del Mar Analytical
Reviewer: P. Meeks
Analysis/Method: Metals

Date: July 21, 2006
Reviewer's Signature
P. Mee

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications were applied for blank detects and detects below the reporting limit.
Holding Times	
GC/MS Tune/Inst. Performance	
Calibration	
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification	
Quantitation	
System Performance	
COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

DATA VALIDATION REPORT

NPDES Sampling
Outfall 004

ANALYSIS: METALS

SAMPLE DELIVERY GROUP IPE2104

Prepared by

MEC^X, LLC
12269 East Vassar Drive
Aurora, CO 80014

1. INTRODUCTION

Task Order Title:	NPDES Sampling
MEC^X Project Number:	1261.001D.01
Sample Delivery Group:	IPDE2104
Project Manager:	P. Costa
Matrix:	Water
Analysis:	Metals
QC Level:	Level IV
No. of Samples:	2
No. of Reanalyses/Dilutions:	0
Reviewer:	P. Meeks
Date of Review:	July 21, 2006

The samples listed in Table 1 were validated based on the guidelines outlined in the *MEC^X Data Validation Procedure for ICP and ICP-MS Metals (DVP-5, Rev. 0), EPA Methods 200.8 and 245.1*, and validation guidelines outlined in the *USEPA CLP National Functional Guidelines for Inorganic Data Review* (2/94). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Client ID	Laboratory ID	Matrix	COC Method
Outfall 004 Dissolved	IPE2104-01	Water	200.8, 245.1
Outfall 004 total	IPE2104-01	Water	200.8, 245.1

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The sample in this SDG was received at the laboratory within the temperature limits of 4°C ±2°C at 3°C. No sample preservation, handling, or transport problems were noted, and no qualifications were necessary.

2.1.2 Chain of Custody

The COC was signed and dated by field and laboratory personnel and accounted for the sample and analyses presented in this SDG. Total and dissolved metals were requested on the COC. The laboratory reported both sets of results as Outfall 004. As it was difficult to discern which set of results were for dissolved metals and which results were for total metals, the reviewer hand-corrected the Form Is to include this information. No sample qualifications were required.

2.1.3 Holding Times

The date of collection recorded on the COC and the dates of analyses recorded in the raw data documented that the sample analyses were performed within the specified holding times of six months for the ICP-MS metals and 28 days for mercury. No qualifications were required.

2.2 ICP-MS TUNING

The method-specified tune criteria were met and no qualifications were required.

2.3 CALIBRATION

The ICV and CCV results showed acceptable recoveries, 90-110% for ICP-MS metals and 85-115% for mercury, except for one thallium CCV result above the control limit at 113.7%. As thallium was not detected in the associated sample, no qualifications were required. The laboratory analyzed reporting limit check standards in association with the sample in this SDG. All recoveries were considered to be acceptable. No qualifications were required.

2.4 BLANKS

Cadmium was reported in both method blanks, 6E23097 and 6E23079, at -0.0468 and -0.0448 µg/L, respectively; therefore, cadmium detected in both Outfall 004 Total and Outfall 004 Dissolved was qualified as estimated, "J." Lead was reported in the method blank associated with the dissolved metals analyses, 6E23097, at -0.0517 µg/L; therefore, lead detected in Outfall 004 Dissolved was qualified as estimated, "J." Antimony was detected in all of the CCBs bracketing the sample analyses at 0.140, 0.218, 0.172, and 0.219 µg/L, respectively; therefore, antimony detected in Outfall 004 Total and Outfall 004 Dissolved was qualified as estimated and nondetected, "UJ." No further qualifications were required.

2.5 ICP INTERFERENCE CHECK SAMPLE (ICS A/AB)

ICSA and ICSAB analyses were performed in association with the samples in this SDG. Cadmium and copper were detected above the respective reporting limits in the ICSA analyses. The reviewer checked the raw data for the sample analyses and found that the concentrations of the potential interferants where insufficient to cause sample qualification. All recoveries were within the control limits of 80-120% and no qualifications were required.

2.6 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

All recoveries were within the laboratory-established control limits of 85-115%. No qualifications were required.

2.7 LABORATORY DUPLICATES

No laboratory duplicate analyses were performed in association with the samples in this SDG; therefore, no assessment was made with respect to this criterion.

2.8 MATRIX SPIKES

No MS/MSD analyses were performed in association with the samples in this SDG; therefore, no assessment was made with respect to this criterion. Method accuracy was evaluated based on the LCS results. No qualifications were required.

2.9 ICP/MS AND ICP SERIAL DILUTION

No serial dilution analyses were performed in association with the samples in this SDG; therefore, no assessment was made with respect to this criterion.

2.10 INTERNAL STANDARDS PERFORMANCE

For the target analytes analyzed by ICP-MS, the internal standards were within the method-specified control limits of 60-125%. No qualifications were required.

2.11 SAMPLE RESULT VERIFICATION

A Level IV review was performed for the samples in this data package. Calculations were verified and the sample results reported on the Form I were verified against the raw data. No transcription errors or calculation errors were noted. Sample results reported between the MDL and the reporting limit were qualified as estimated detects, "J." These qualifications were annotated with "DNQ" according to the NPDES program specifications. No further qualifications were required.

2.12 FIELD QC SAMPLES

Field QC samples are evaluated, and if necessary, qualified based only on laboratory blanks. Any remaining detects are used to evaluate the associated samples.

2.12.1 Field Blanks and Equipment Rinsates

The samples in this SDG had no associated field QC samples. No qualifications were required.

2.12.2 Field Duplicates

There were no field duplicate analyses performed in association with the site samples.

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 004

Report Number: IPE2104

Sampled: 05/22/06
Received: 05/22/06

DISSOLVED METALS

Outfall 004 Dissolved

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Qual Code
Sample ID: IPE2104-01 (Outfall 004 - Water) - cont.									Raw Qual	Qual Code
Reporting Units: ug/l										
Antimony	EPA 200.8-Diss	6E23097	0.050	2.0	**0.67**	1	05/23/06	05/24/06	UJ J	B
Cadmium	EPA 200.8-Diss	6E23097	0.025	1.0	**0.12**	1	05/23/06	05/25/06	J J	B, DNQ
Copper	EPA 200.8-Diss	6E23097	0.25	2.0	**1.6**	1	05/23/06	05/24/06	J J	DNQ
Lead	EPA 200.8-Diss	6E23097	0.040	1.0	**0.14**	1	05/23/06	05/24/06	J J	B, DNQ
Mercury	EPA 245.1-Diss	6E24084	0.050	0.20	ND	1	05/24/06	05/24/06	U	
Thallium	EPA 200.8-Diss	6E23097	0.15	1.0	ND	1	05/23/06	05/24/06	U	

Del Mar Analytical - Irvine
Michele Chamberlin
Project Manager

LEVEL IV

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 004
Report Number: IPE2104

Sampled: 05/22/06
Received: 05/22/06

METALS

Outfall 004 Total

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers (Lab Qual)	(Qual Code)
Sample ID: IPE2104-01 (Outfall 004 - Water)										
Reporting Units: ug/l										
Antimony	EPA 200.8	6E23079	0.050	2.0	**0.29**	1	05/23/06	05/23/06	UJ J	B
Cadmium	EPA 200.8	6E23079	0.025	1.0	**0.093**	1	05/23/06	05/23/06	J J	B, DNQ
Copper	EPA 200.8	6E23079	0.25	2.0	**4.4**	1	05/23/06	05/23/06		
Lead	EPA 200.8	6E23079	0.040	1.0	**0.52**	1	05/23/06	05/23/06	J J	DNQ
Mercury	EPA 245.1	6E23075	0.050	0.20	**0.058**	1	05/23/06	05/23/06	J J	DNQ
Thallium	EPA 200.8	6E23079	0.15	1.0	ND	1	05/23/06	05/23/06	U	

Del Mar Analytical - Irvine
Michele Chamberlin
Project Manager

LEVEL IV

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CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

MEC[X]
12269 East Vassar Drive
Aurora, CO 80014

Package ID: B4MT42
Task Order: 1261.001D.01
SDG No.: IPC0165
No. of Analyses: 1

Laboratory: Del Mar Analytical
Reviewer: P. Meeks
Analysis/Method: Metals

Date: April 10, 2006
Reviewer's Signature: P. M

ACTION ITEMS[a]	
. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications applied for a blank detect and a detect below the reporting limit.
Holding Times	
GC/MS Tune/Inst. Performance	
Calibration	
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification	
Quantitation	
System Performance	
COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

DATA VALIDATION REPORT

NPDES Sampling
Outfall 004

ANALYSIS: METALS

SAMPLE DELIVERY GROUP IPC0165

Prepared by

MEC^X, LLC
12269 East Vassar Drive
Aurora, CO 80014

1. INTRODUCTION

Task Order Title:	NPDES Sampling
MEC^X Project Number:	1261.001D.01
Sample Delivery Group:	IPC0165
Project Manager:	P. Costa
Matrix:	Water
Analysis:	Metals
QC Level:	Level IV
No. of Samples:	1
No. of Reanalyses/Dilutions:	0
Reviewer:	P. Meeks
Date of Review:	April 10, 2006

The samples listed in Table 1 were validated based on the guidelines outlined in the *MEC^X Data Validation Procedure for ICP and ICP-MS Metals (DVP-5, Rev. 0), EPA Method 200.8*, and validation guidelines outlined in the *USEPA CLP National Functional Guidelines for Inorganic Data Review* (2/94). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Client ID	Laboratory ID	Matrix	COC Method
Outfall 004	IPC0165-01	Water	200.8

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The sample in this SDG was received at the laboratory within the temperature limits of 4°C ±2°C. No sample preservation, handling, or transport problems were noted, and no qualifications were necessary.

2.1.2 Chain of Custody

The COC was signed and dated by field and laboratory personnel and accounted for the sample and analysis presented in this SDG. No sample qualifications were required.

2.1.3 Holding Times

The date of collection recorded on the COC and the date of analysis recorded in the raw data documented that the sample analyses were performed within the specified holding times of six months for the ICP-MS metals. No qualifications were required.

2.2 ICP-MS TUNING

The method-specified tune criteria were met and no qualifications were required.

2.3 CALIBRATION

The ICV and CCV results showed acceptable recoveries, 90-110% for ICP-MS metals. The laboratory analyzed reporting limit check standards in association with the sample in this SDG and the recoveries were considered to be acceptable. No qualifications were required.

2.4 BLANKS

Cadmium was detected in a bracketing CCB at 0.027 µg/L; therefore, cadmium detected in Outfall 004 was qualified as an estimated nondetect, "UJ." No further qualifications were required.

2.5 ICP INTERFERENCE CHECK SAMPLE (ICS A/AB)

No ICSA and ICSAB analyses were performed in association with the sample in this SDG for the ICP-MS metals; therefore, no assessment was made with respect to this criterion.

2.6 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

The ICP-MS recoveries were within the laboratory-established control limits of 85-115%. No qualifications were required.

2.7 LABORATORY DUPLICATES

No MS/MSD or laboratory duplicate analyses were performed in association with the sample in this SDG; therefore, no assessment was made with respect to this criterion.

2.8 MATRIX SPIKES

No matrix spike analyses were performed in association with the sample in this SDG; therefore, no assessment was made with respect to this criterion. Method accuracy was evaluated based on LCS results. No qualifications were required.

2.9 ICP/MS AND ICP SERIAL DILUTION

No serial dilution analyses were performed in association with the sample in this SDG; therefore, no assessment was made with respect to this criterion.

2.10 INTERNAL STANDARDS PERFORMANCE

For the target analytes analyzed by ICP-MS, the internal standards were within the method-specified control limits of 60-125%. No qualifications were required.

2.11 SAMPLE RESULT VERIFICATION

A Level IV review was performed for the sample in this data package. Calculations were verified and the sample results reported on the Form Is were verified against the raw data. No transcription errors or calculation errors were noted. Analytes detected below the reporting limit were qualified as estimated, "J," and denoted with "DNQ," in accordance with the NPDES permit. No further qualifications were required.

2.12 FIELD QC SAMPLES

Field QC samples are evaluated, and if necessary, qualified based only on laboratory blanks. Any remaining detects are used to evaluate the associated samples.

2.12.1 Field Blanks and Equipment Rinsates

The sample in this SDG had no associated field QC samples. No qualifications were required.

2.12.2 Field Duplicates

There were no field duplicate analyses performed in association with the site sample.

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 004
Report Number: IPC0165

Sampled: 03/01/06
Received: 03/01/06

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers: Rev Qual	Data Qualifiers: Qual Code
Sample ID: IPC0165-01 (Outfall 004 - Water)										
Reporting Units: ug/l										
Antimony	EPA 200.8	6C04030	0.050	2.0	**1.0**	1	03/04/06	03/07/06	J	J DNQ
Cadmium	EPA 200.8	6C04030	0.025	1.0	**0.074**	1	03/04/06	03/07/06	UJ	J B
Copper	EPA 200.8	6C04030	0.25	2.0	**5.3**	1	03/04/06	03/07/06		
Lead	EPA 200.8	6C04030	0.040	1.0	**1.0**	1	03/04/06	03/07/06		
Mercury	EPA 245.1	6C02097	0.050	0.20	ND	1	03/02/06	03/02/06	*	

* Analysis not validated

Del Mar Analytical - Irvine
Sushmitha Reddy For Michele Chamberlin
Project Manager

LEVEL IV

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CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

MEC[X]
12269 East Vassar Drive
Aurora, CO 80014

Package ID: B4MT38
Task Order: 1261.001D.01
SDG No.: IPB1810
No. of Analyses: 1

Laboratory: Del Mar Analytical
Reviewer: P. Meeks
Analysis/Method: Metals

Date: April 4, 2006
Reviewer's Signature

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications applied for blank results and detects below the reporting limit.
Holding Times	
GC/MS Tune/Inst. Performance	
Calibration	
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification	
Quantitation	
System Performance	

COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

DATA VALIDATION REPORT

NPDES Sampling
Outfall 004

ANALYSIS: METALS

SAMPLE DELIVERY GROUP IPB1810

Prepared by

MEC^X, LLC
12269 East Vassar Drive
Aurora, CO 80014

1. INTRODUCTION

Task Order Title:	NPDES Sampling
MEC^X Project Number:	1261.001D.01
Sample Delivery Group:	IPB1810
Project Manager:	P. Costa
Matrix:	Water
Analysis:	Metals
QC Level:	Level IV
No. of Samples:	1
No. of Reanalyses/Dilutions:	0
Reviewer:	P. Meeks
Date of Review:	April 4, 2006

The samples listed in Table 1 were validated based on the guidelines outlined in the *MEC^X Data Validation Procedure for ICP and ICP-MS Metals (DVP-5, Rev. 0), EPA Methods 200.7 and 200.8*, and validation guidelines outlined in the *USEPA CLP National Functional Guidelines for Inorganic Data Review* (2/94). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Client ID	Laboratory ID	Matrix	COC Method
Outfall 004	IPB1810-01	Water	200.7, 200.8

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The sample in this SDG was received at the laboratory within the temperature limits of 4°C ±2°C. No sample preservation, handling, or transport problems were noted, and no qualifications were necessary.

2.1.2 Chain of Custody

The COC was signed and dated by field and laboratory personnel and accounted for the sample and analyses presented in this SDG. No sample qualifications were required.

2.1.3 Holding Times

The date of collection recorded on the COC and the dates of analyses recorded in the raw data documented that the sample analyses were performed within the specified holding times of six months for the ICP and ICP-MS metals. No qualifications were required.

2.2 ICP-MS TUNING

The method-specified tune criteria were met and no qualifications were required.

2.3 CALIBRATION

The ICV and CCV results showed acceptable recoveries, 90-110% for ICP and ICP-MS metals. The laboratory analyzed reporting limit check standards in association with the sample in this SDG and the recoveries were considered to be acceptable. No qualifications were required.

2.4 BLANKS

Zinc was detected in method blank 6B20080-BLK1 at 15.6 µg/L; therefore, zinc detected in Outfall 004 was qualified as an estimated nondetect, "UJ." Silver was reported in a bracketing CCB at -3.3 µg/L; therefore, nondetected silver in Outfall 004 was qualified as an estimated nondetect, "UJ." No further qualifications were required.

2.5 ICP INTERFERENCE CHECK SAMPLE (ICS A/AB)

ICSA and ICSAB analyses were performed in association with the sample in this SDG for the ICP metals. Silver, boron, and chromium were detected in the ICSA above the respective reporting limits. The reviewer checked the raw data for the sample and determined that the level of interferents in Outfall 004 were not of sufficient concentrations to qualify the sample results. No qualifications were required.

2.6 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

The ICP and ICP-MS were within the laboratory-established control limits of 85-115%. No qualifications were required.

2.7 LABORATORY DUPLICATES

No MS/MSD or laboratory duplicate analyses were performed in association with the sample in this SDG; therefore, no assessment was made with respect to this criterion.

2.8 MATRIX SPIKES

No matrix spike analyses were performed in association with the sample in this SDG; therefore, no assessment was made with respect to this criterion. Method accuracy was evaluated based on LCS results. No qualifications were required.

2.9 ICP/MS AND ICP SERIAL DILUTION

No serial dilution analyses were performed in association with the sample in this SDG; therefore, no assessment was made with respect to this criterion.

2.10 INTERNAL STANDARDS PERFORMANCE

For the target analytes analyzed by ICP-MS, the internal standards were within the method-specified control limits of 60-125%. No qualifications were required.

2.11 SAMPLE RESULT VERIFICATION

A Level IV review was performed for the sample in this data package. Calculations were verified and the sample results reported on the Form Is were verified against the raw data. No

transcription errors or calculation errors were noted. Analytes detected below the reporting limit were qualified as estimated, "J," and denoted with "DNQ," in accordance with the NPDES permit. No further qualifications were required.

2.12 FIELD QC SAMPLES

Field QC samples are evaluated, and if necessary, qualified based only on laboratory blanks. Any remaining detects are used to evaluate the associated samples.

2.12.1 Field Blanks and Equipment Rinsates

The sample in this SDG had no associated field QC samples. No qualifications were required.

2.12.2 Field Duplicates

There were no field duplicate analyses performed in association with the site sample.

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Annual Outfall 004
Report Number: IPB1810

Sampled: 02/18/06
Received: 02/18/06

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPB1810-01 (Outfall 004 - Water) - cont.									Rev Qual | Qual Code
Reporting Units: mg/l									
Boron	EPA 200.7	6B20080	0.0080	0.050	ND	1	02/20/06	02/27/06	U

Del Mar Analytical - Irvine
Michele Chamberlin
Project Manager

LEVEL IV

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Annual Outfall 004
Report Number: IPB1810

Sampled: 02/18/06
Received: 02/18/06

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	
Sample ID: IPB1810-01 (Outfall 004 - Water) - cont.									Raw Qual	Qual Code
Reporting Units: ug/l										
Aluminum	EPA 200.7	6B20080	40	50	**1700**	1	02/20/06	02/28/06		
Antimony	EPA 200.8	6B21089	0.050	2.0	**1.1**	1	02/21/06	02/22/06	J	J DNQ
Arsenic	EPA 200.7	6B20080	4.4	5.0	**11**	1	02/20/06	02/25/06		
Beryllium	EPA 200.7	6B20080	0.90	2.0	ND	1	02/20/06	02/25/06	U	
Cadmium	EPA 200.8	6B21089	0.025	1.0	**0.10**	1	02/21/06	02/22/06	J	J DNQ
Chromium	EPA 200.7	6B20080	2.0	5.0	**3.4**	1	02/20/06	02/25/06	J	J ↓
Copper	EPA 200.8	6B21089	0.25	2.0	**3.8**	1	02/21/06	02/22/06		
Lead	EPA 200.8	6B21089	0.040	1.0	**1.5**	1	02/21/06	02/22/06		
Mercury	EPA 245.1	6B21083	0.050	0.20	ND	1	02/21/06	02/21/06	U	
Nickel	EPA 200.7	6B20080	2.0	10	**4.1**	1	02/20/06	02/25/06	J	J DNQ
Selenium	EPA 200.7	6B20080	8.0	10	ND	1	02/20/06	02/25/06	U	
Silver	EPA 200.7	6B20080	3.0	10	ND	1	02/20/06	02/25/06	UJ	B
Thallium	EPA 200.8	6B21089	0.15	1.0	ND	1	02/21/06	02/22/06	U	
Vanadium	EPA 200.7	6B20080	3.0	10	**5.7**	1	02/20/06	02/25/06	J	J DNQ
Zinc	EPA 200.7	6B20080	15	20	**18**	1	02/20/06	02/25/06	UJ B, J	B

Del Mar Analytical - Irvine
Michele Chamberlin
Project Manager

LEVEL IV

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CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

MEC[x]
12269 East Vassar Drive
Aurora, CO 80014

Package ID B4MT3
Task Order 1261.001D.01
SDG No. IPA0008
No. of Analyses 1

Laboratory Del Mar Analytical
Reviewer P. Meeks
Analysis/Method Metals

Date: February 3, 2006
Reviewer's Signature P. Mee

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Analytes detected below the reporting limit were qualified as estimated.
Holding Times	
GC/MS Tune/Inst. Performance	
Calibration	
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification	
Quantitation	
System Performance	

COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

DATA VALIDATION REPORT

NPDES Sampling
Outfall 004

ANALYSIS: METALS

SAMPLE DELIVERY GROUP IPA0008

Prepared by

MEC^X, LLC
12269 East Vassar Drive
Aurora, CO 80014

1. INTRODUCTION

Task Order Title:	NPDES Sampling
MEC^X Project Number:	1261.001D.01
Sample Delivery Group:	IPA0008
Project Manager:	P. Costa
Matrix:	Water
Analysis:	Metals
QC Level:	Level IV
No. of Samples:	1
No. of Reanalyses/Dilutions:	0
Reviewer:	P. Meeks
Date of Review:	February 3, 2006

The samples listed in Table 1 were validated based on the guidelines outlined in the *MEC^X Data Validation Procedure for ICP-MS Metals (DVP-5, Rev. 0), EPA Methods 200.8 and 245.1*, and validation guidelines outlined in the *USEPA CLP National Functional Guidelines for Inorganic Data Review* (2/94). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Client ID	Laboratory ID	Matrix	COC Method
Outfall 004	IPA0008-01	Water	200.8, 245.1

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The sample in this SDG was received at the laboratory within the temperature limits of 4°C ±2°C. No sample preservation, handling, or transport problems were noted, and no qualifications were necessary.

2.1.2 Chain of Custody

The COC was signed and dated by field and laboratory personnel. The COC accounted for the sample and analyses presented in this SDG. No sample qualifications were required.

2.1.3 Holding Times

The date of collection recorded on the COC and the dates of analyses recorded in the raw data documented that the sample analyses were performed within the specified holding times of six months for the ICP-MS metals and 28-days for mercury. No qualifications were required.

2.2 ICP-MS TUNING

The method specified tune criteria were met and no qualifications were required.

2.3 CALIBRATION

The ICV and CCV results showed acceptable recoveries, 90-110% for ICP-MS metals and 80-120% for mercury. The laboratory analyzed reporting limit check standards in association with the sample in this SDG and all recoveries were acceptable. No qualifications were required.

2.4 BLANKS

The method blank and CCB results were nondetects at the reporting limit or were at concentrations insufficient to qualify the site sample. No qualifications were required.

2.5 ICP INTERFERENCE CHECK SAMPLE (ICS A/AB)

ICSA and ICSAB analyses were included in the raw data for the ICP-MS analyses. Antimony and lead, which are not present in the ICSA or ICSAB, were detected in both the ICSA and the ICSAB; however, as the wastewater method (EPA SW-846 6020) lists no known interferents for lead or antimony, no qualifications were required. The recoveries were within the control limits and no qualifications were required.

2.6 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

The ICP-MS and mercury LCS recoveries were within the laboratory-established control limits of 85-115%. No qualifications were required.

2.7 LABORATORY DUPLICATES

No MS/MSD or laboratory duplicate analyses were performed in association with the sample in this SDG; therefore, no assessment was made with respect to this criterion.

2.8 MATRIX SPIKES

No MS/MSD analyses were performed in association with the sample in this SDG; therefore, no assessment was made with respect to this criterion. Method accuracy was evaluated based on LCS results. No qualifications were required.

2.9 ICP/MS AND ICP SERIAL DILUTION

No serial dilution analyses were performed in association with the sample in this SDG; therefore, no assessment was made with respect to this criterion.

2.10 INTERNAL STANDARDS PERFORMANCE

For the target compounds analyzed by ICP-MS, the ICP-MS internal standards were within established control limits. No qualifications were required.

2.11 SAMPLE RESULT VERIFICATION

A Level IV review was performed for the samples in this data package. Calculations were verified, and the sample results reported on the Form Is were verified against the raw data. No

transcription errors or calculation errors were noted. Cadmium and lead detected below the reporting limit were qualified as estimated, "J," and annotated with "DNQ," in accordance with the requirements of the NPDES permit. No further qualifications were required.

2.12 FIELD QC SAMPLES

Field QC samples are evaluated, and if necessary, qualified based only on laboratory blanks. Any remaining detects are used to evaluate the associated samples.

2.12.1 Field Blanks and Equipment Rinsates

The sample in this SDG had no associated field QC samples. No qualifications were required.

2.12.2 Field Duplicates

There were no field duplicate analyses performed in association with the site sample.

Del Mar Analytical

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 004
Report Number: IPA0008

Sampled: 01/01/06
Received: 01/01/06

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Rev Qual	Qual Code
Sample ID: IPA0008-01 (Outfall 004 - Water)											
Reporting Units: ug/l											
Antimony	EPA 200.8	6A04084	0.18	2.0	**0.90**	1	01/04/06	01/05/06	B, J	J	DNQ
Cadmium	EPA 200.8	6A04084	0.015	1.0	**0.096**	1	01/04/06	01/05/06	J	J	DNQ
Copper	EPA 200.8	6A04084	0.49	2.0	**3.9**	1	01/04/06	01/05/06			
Lead	EPA 200.8	6A04084	0.040	1.0	**0.81**	1	01/04/06	01/05/06	J	J	DNQ
Mercury	EPA 245.1	6A03072	0.050	0.20	ND	1	01/03/06	01/03/06	U		

LEVEL IV

Del Mar Analytical, Irvine
Amy Windham For Michele Chamberlin
Project Manager

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CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

	Package ID B4MT29
MEC[x]	Task Order 1261.001D.01
12269 East Vassar Drive	SDG No. IPA1192
Aurora, CO 80014	No. of Analyses 1
Laboratory Del Mar Analytical	Date: February 27, 2006
Reviewer P. Meeks	Reviewer's Signature P. Mee
Analysis/Method Metals	

ACTION ITEMS[a]	
. **Case Narrative**	
Deficiencies	
2. **Out of Scope**	
Analyses	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy**	
Deliverables	
5. **Incorrect Hardcopy**	
Deliverables	
6. **Deviations from Analysis**	
Protocol, e.g.,	Qualifications applied for detects below the reporting limit and blank detects.
Holding Times	.
GC/MS Tune/Inst. Performance	
Calibration	
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification	
Quantitation	
System Performance	

COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.

[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

DATA VALIDATION REPORT

NPDES Sampling
Outfall 004

ANALYSIS: METALS

SAMPLE DELIVERY GROUP IPA1192

Prepared by

MEC^X, LLC
12269 East Vassar Drive
Aurora, CO 80014

1. INTRODUCTION

Task Order Title:	Topanga Fire Surface Samples
MEC^X Project Number:	1261.001D.01
Sample Delivery Group:	IPA1192
Project Manager:	P. Costa
Matrix:	Sediment
Analysis:	Metals
QC Level:	Level IV
No. of Samples:	1
No. of Reanalyses/Dilutions:	0
Reviewer:	P. Meeks
Date of Review:	February 27, 2006

The samples listed in Table 1 were validated based on the guidelines outlined in the *MEC^X Data Validation Procedure for ICP and ICP-MS Metals (DVP-5, Rev. 0), EPA Methods 200.8 and 245.1*, and validation guidelines outlined in the *USEPA CLP National Functional Guidelines for Inorganic Data Review* (2/94). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Client ID	Laboratory ID	Matrix	COC Method
Outfall 004	IPA1192-01	Water	200.8, 245.1

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The sample in this SDG was received at the laboratory within the temperature limits of 4°C ±2°C. No sample preservation, handling, or transport problems were noted, and no qualifications were necessary.

2.1.2 Chain of Custody

The COC was signed and dated by field and laboratory personnel and accounted for the sample and analyses presented in this SDG. No sample qualifications were required.

2.1.3 Holding Times

The date of collection recorded on the COC and the dates of analyses recorded in the raw data documented that the sample analyses were performed within the specified holding times of six months for the ICP-MS metals and 28 days for mercury. No qualifications were required.

2.2 ICP-MS TUNING

The method-specified tune criteria were met and no qualifications were required.

2.3 CALIBRATION

The ICV and CCV results showed acceptable recoveries, 90-110% for ICP-MS metals and 80-120%. The laboratory analyzed reporting limit check standards in association with the sample in this SDG. No qualifications were required.

2.4 BLANKS

Cadmium was reported in method blank 6A16092-BLK1 at -0.028 µg/L; therefore, cadmium detected Outfall 004 was qualified as estimated, "J." No further qualifications were required.

2.5 ICP INTERFERENCE CHECK SAMPLE (ICS A/AB)

No ICSA and ICSAB analyses were performed in association with the sample in this SDG; therefore, no assessment was made with respect to this criterion.

2.6 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

The ICP-MS and mercury LCS recoveries were within the laboratory-established control limits of 85-115%. No qualifications were required.

2.7 LABORATORY DUPLICATES

No MS/MSD or laboratory duplicate analyses were performed in association with the sample in this SDG; therefore, no assessment was made with respect to this criterion.

2.8 MATRIX SPIKES

No matrix spike analyses were performed in association with the sample in this SDG; therefore, no assessment was made with respect to this criterion. Method accuracy was evaluated based on LCS results. No qualifications were required.

2.9 ICP/MS AND ICP SERIAL DILUTION

No serial dilution analyses were performed in association with the sample in this SDG; therefore, no assessment was made with respect to this criterion.

2.10 INTERNAL STANDARDS PERFORMANCE

For the target analytes analyzed by ICP-MS, the internal standards were within the method-specified control limits of 60-125%. No qualifications were required.

2.11 SAMPLE RESULT VERIFICATION

A Level IV review was performed for the samples in this data package. Calculations were verified and the sample results reported on the Form Is were verified against the raw data. No transcription errors or calculation errors were noted. Analytes detected below the reporting limit were qualified as estimated, "J," and denoted with "DNQ," in accordance with the NPDES permit. No further qualifications were required.

2.12 FIELD QC SAMPLES

Field QC samples are evaluated, and if necessary, qualified based only on laboratory blanks. Any remaining detects are used to evaluate the associated samples.

2.12.1 Field Blanks and Equipment Rinsates

The sample in this SDG had no associated field QC samples. No qualifications were required.

2.12.2 Field Duplicates

There were no field duplicate analyses performed in association with the site sample.

Del Mar Analytical

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Routine Outfall 004

Report Number: IPA1192

Sampled: 01/14/06
Received: 01/15/06

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	Rev Qual	Qual Code
Sample ID: IPA1192-01 (Outfall 004 - Water)											
Reporting Units: ug/l											
Antimony	EPA 200.8	6A16092	0.050	2.0	**1.2**	1	01/16/06	01/17/06	J	J	DNQ
Cadmium	EPA 200.8	6A16092	0.025	1.0	**0.080**	1	01/16/06	01/17/06	J	J	B_J
Copper	EPA 200.8	6A16092	0.25	2.0	**1.9**	1	01/16/06	01/17/06	J	J	
Lead	EPA 200.8	6A16092	0.040	1.0	**0.69**	1	01/16/06	01/17/06	J	J	
Mercury	EPA 245.1	6A17070	0.050	0.20	**0.051**	1	01/17/06	01/17/06	J	J	

LEVEL IV

Del Mar Analytical, Irvine
Michele Chamberlin
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

MECX, LLC
12260 East Vassar Drive
Suite 500
Lakewood, CO 80226

Package ID B4DF93
Task Order 1261.001D.01
SDG No. IPD1549
No. of Analyses 1

Laboratory Alta Analytical
Reviewer E. Wessling
Analysis/Method Dioxins/Furans

Date: July 3, 2006
Reviewer's Signature

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications were assigned for the following:
Holding Times	- the results between the RL and the MDL were estimated
GC/MS Tune/Inst. Performance	
Calibration	
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification	
Quantitation	
System Performance	

COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

DATA VALIDATION REPORT

NPDES Monitoring Program
Routine Outfall 004

ANALYSIS: DIOXINS/FURANS

SAMPLE DELIVERY GROUP: IPD1549

Prepared by

MEC^X, LLC
12269 East Vassar Drive
Aurora, CO 80014

1. INTRODUCTION

Task Order Title:	NPDES
Contract Task Order:	1261.001D.01
Sample Delivery Group:	IPD1549
Project Manager:	P. Costa
Matrix:	Water
Analysis:	Dioxins/Furans
QC Level:	Level IV
No. of Samples:	1
No. of Reanalyses/Dilutions:	0
Reviewer:	E. Wessling
Date of Review:	July 3, 2006

The samples listed in Table 1 were validated based on the guidelines outlined in the *MEC^X Data Validation Procedure for Dioxins and Furans (DVP-19, Rev. 0), USEPA Method 1613*, and the *National Functional Guidelines for Chlorinated Dioxin/Furan Data Review* (8/02). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Client ID	Laboratory ID (Del Mar)	Laboratory ID (Alta)	Matrix	COC Method
Outfall 004	IPD1549-01	27605-001	Water	1613

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The sample in this SDG was received at Del Mar Analytical within the temperature limits of 4°C ±2°C. The sample was shipped to Alta for dioxin/furan analysis and was received below the temperature limits at 0.3°C. As the sample was not noted to be damaged or frozen, no qualifications were required. According to the case narrative and laboratory login sheet, the sample was received intact and in good condition at both laboratories. No qualifications were required.

2.1.2 Chain of Custody

The COC and transfer COC were legible and signed by the appropriate field and laboratory personnel, and accounted for the analysis presented in this SDG. As the sample was couriered directly to Del Mar Analytical-Irvine, custody seals were not required. The Client ID was added to the sample result summary by the reviewer. No qualifications were required.

2.1.3 Holding Times

The sample was extracted and analyzed within one year of collection. No qualifications were required.

2.2 INSTRUMENT PERFORMANCE

Following are findings associated with instrument performance:

2.2.1 GC Column Performance

A Windows Defining Mix (WDM) containing the first and last eluting congeners of each descriptor and isomer specificity compounds was not analyzed prior to the initial calibration sequence or at the beginning of each analytical sequence; however, the first and last eluting congeners and isomer specificity compounds were added to the midpoint of the initial calibration and to the continuing calibration standards (see section 2.3.2). The GC column performance in the calibrations was acceptable, with the height of the valley between the closely eluting isomers and 2,3,7,8-TCDD reported as less than 25%. No qualifications were required.

2.2.2 Mass Spectrometer Performance

The mass spectrometer performance was acceptable with the static resolving power greater than 10,000. No qualifications were required.

2.3 CALIBRATION

2.3.1 Initial Calibration

The initial calibration was analyzed 04/11/2006 on instrument VG-9. The calibration consisted of six concentration level standards (CS0 through CS5) analyzed to verify instrument linearity. The initial calibrations were acceptable with %RSDs ≤20% for the 16 native compounds (calibration by isotope dilution) and ≤35% for the one native and all labeled compounds (calibration by internal standard). The relative retention times and ion abundance ratios were within the QC limits listed in Method 1613 for all standards. A representative number of %RSDs were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

2.3.2 Continuing Calibration

Calibration verification (VER) consisted of a mid-level standard (CS3) analyzed at the beginning of each analytical sequence. The VER was acceptable with the concentrations within the acceptance criteria listed in Table 6 of EPA Method 1613. The ion abundance ratios and relative retention times were within the method QC limits. A representative number of %Ds were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

WDM and isomer specificity compounds were added to the VER standard instead of being analyzed separately, as noted in section 2.2.1 of this report. No adverse effect was observed with this practice.

2.4 BLANKS

One method blank (0-7985-MB001) was extracted and analyzed with the sample in this SDG. Target compounds OCDD and OCDF were detected in the method blank. EMPC values for 1,2,3,4,6,7,8-HpCDD and total HpCDD were also detected in the method blank. Qualifications were not required because the values in the sample were greater than five times the amount in the blank. A review of the method blank raw data and chromatograms indicated no false positives or false negatives. The laboratory had an issue reporting the method blank results due to new software on a new instrument, VG-9. This problem was corrected and the data was reissued by the laboratory. No qualifications were required.

2.5 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

One blank spike (0-7985-OPR001) was extracted and analyzed with the sample in this SDG. All recoveries were within the acceptance criteria listed in Table 6 of Method 1613. A review of the raw data and chromatograms indicated no transcription or calculation errors. No qualifications were required.

2.6 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MS/MSD analyses were not performed in this SDG. Evaluation of method accuracy was based on the OPR results. No qualifications were required.

2.7 FIELD QC SAMPLES

Following are findings associated with field QC:

2.7.1 Field Blanks and Equipment Rinsates

The sample in this SDG had no field blank or equipment rinsate identified. No qualification of the site sample was required.

2.7.2 Field Duplicates

No field duplicates were identified in association with the sample in this SDG.

2.8 INTERNAL STANDARDS

The labeled standard recoveries were within the acceptance criteria listed in Table 7 of Method 1613. No qualifications were required.

2.9 COMPOUND IDENTIFICATION

The laboratory analyzed for polychlorinated dioxins/furans by EPA Method 1613. The compound identifications were verified from the raw data and no false negatives or positives were noted. No qualifications were required.

2.10 COMPOUND QUANTIFICATION AND REPORTED DETECTION LIMITS

Compound quantitation was verified from the raw data. The laboratory calculated and reported compound-specific detection limits. Detects below the laboratory lower calibration level were qualified as estimated, "J." These "J" values were annotated with the qualification code of

"DNQ" to comply with the reporting requirements of the NPDES permit. The laboratory had an issue reporting the site sample results due to new software on a new instrument, VG-9. This problem was corrected and the data was reissued by the laboratory. No further qualifications were required.

Sample ID: IPD1549-01 Outfall 004 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name	Del Mar Analytical, Irvine	Matrix	Aqueous	Lab Sample	27605-001	Date Received	18-Apr-06
Project	IPD1549	Sample Size	1.02 L	QC Batch No.	7985	Date Extracted	3-May-06
Date Collected	14-Apr-06			Date Analyzed DB-5	5-May-06	Date Analyzed DB-225	NA
Time Collected	1350						

Dual code	Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
	2,3,7,8-TCDD	ND	0.000000495		
	1,2,3,7,8-PeCDD	ND	0.000000865		
	1,2,3,4,7,8-HxCDD	ND	0.00000104		
DNQ	1,2,3,6,7,8-HxCDD	0.00000298			J
	1,2,3,7,8,9-HxCDD	ND	0.00000106		
	1,2,3,4,6,7,8-HpCDD	0.0000665			
	OCDD	0.000997			B
	2,3,7,8-TCDF	ND	0.000000730		
	1,2,3,7,8-PeCDF	ND	0.000000585		
	2,3,4,7,8-PeCDF	ND	0.000000622		
	1,2,3,4,7,8-HxCDF	ND	0.000000552		
	1,2,3,6,7,8-HxCDF	ND	0.000000485		
	2,3,4,6,7,8-HxCDF	ND	0.000000621		
	1,2,3,7,8,9-HxCDF	ND	0.000000999		
DNQ	1,2,3,4,6,7,8-HpCDF	0.00000956			J
	1,2,3,4,7,8,9-HpCDF	ND	0.00000103		
DNQ	OCDF	0.0000297			J,B

Totals			
Total TCDD	ND	0.000000495	
Total PeCDD	ND	0.000000865	
Total HxCDD	0.0000172		
Total HpCDD	0.000134		B
Total TCDF	ND	0.000000730	
Total PeCDF	ND	0.000000604	
Total HxCDF	0.0000104	0.0000112	
Total HpCDF	0.0000365		

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	39.7	25 - 164	
	13C-1,2,3,7,8-PeCDD	33.7	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	35.1	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	37.7	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	38.0	23 - 140	
	13C-OCDD	29.7	17 - 157	
	13C-2,3,7,8-TCDF	37.7	24 - 169	
	13C-1,2,3,7,8-PeCDF	35.9	24 - 185	
	13C-2,3,4,7,8-PeCDF	33.3	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	35.0	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	37.0	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	34.2	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	32.3	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	36.7	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	32.2	26 - 138	
	13C-OCDF	29.6	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	96.2	35 - 197	

Footnotes

a Sample specific estimated detection limit

b Estimated maximum possible concentration

c Method detection limit

d Lower control limit - upper control limit

Analyst: JMH

Approved By: William J. Luksemburg 23-Jun-2006 15:40

LEVEL IV

CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

MEC[X]
12269 East Vassar Drive
Aurora, CO 80014

Package ID B4DF79
Task Order 1261.001D.01
SDG No. IPD0258
No. of Analyses 1

Laboratory Alta
Reviewer K. Shadowlight
Analysis/Method Dioxin/Furan by Method 1613

Date: May 21, 2006
Reviewer's Signature K. Shadowlight

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Detects below the laboratory lower calibration level were qualified as estimated.
Holding Times	
GC/MS Tune/Inst. Performance	
Calibration	
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification	
Quantitation	
System Performance	
COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

DATA VALIDATION REPORT

NPDES Monitoring Program
Routine Outfall 004

ANALYSIS: DIOXINS/FURANS

SAMPLE DELIVERY GROUP: IPD0258

Prepared by

MEC^X, LLC
12269 East Vassar Drive
Aurora, CO 80014

1. INTRODUCTION

Task Order Title:	NPDES
Contract Task Order:	1261.001D.01
Sample Delivery Group:	IPD0258
Project Manager:	P. Costa
Matrix:	Water
Analysis:	Dioxins/Furans
QC Level:	Level IV
No. of Samples:	1
No. of Reanalyses/Dilutions:	0
Reviewer:	K. Shadowlight
Date of Review:	May 21, 2006

The samples listed in Table 1 were validated based on the guidelines outlined in the *MEC*^{X} *Data Validation Procedure for Dioxins and Furans (DVP-19, Rev. 0), USEPA Method 1613*, and the *National Functional Guidelines for Chlorinated Dioxin/Furan Data Review* (8/02). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Client ID	Laboratory ID (Del Mar)	Laboratory ID (Alta)	Matrix	COC Method
Outfall 004	IPD0258-01	27551-001	Water	1613

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The sample in this SDG was received at Del Mar Analytical within the temperature limits of 4°C ±2°C. The sample was shipped to Alta for dioxin/furan analysis and was received within the temperature limits at 2°C. According to the case narrative and laboratory login sheet, the sample was received intact and in good condition at both laboratories. No qualifications were required.

2.1.2 Chain of Custody

The COC and transfer COC were legible and signed by the appropriate field and laboratory personnel, and accounted for the analysis presented in this SDG. As the sample was couriered directly to Del Mar Analytical-Irvine, custody seals were not required. The Client ID was added to the sample result summary by the reviewer. No qualifications were required.

2.1.3 Holding Times

The sample was extracted and analyzed within one year of collection. No qualifications were required.

2.2 INSTRUMENT PERFORMANCE

Following are findings associated with instrument performance:

2.2.1 GC Column Performance

A Windows Defining Mix (WDM) containing the first and last eluting congeners of each descriptor and isomer specificity compounds was not analyzed prior to the initial calibration sequence or at the beginning of each analytical sequence; however, the first and last eluting congeners and isomer specificity compounds were added to the midpoint of the initial calibration and to the continuing calibration standards (see section 2.3.2). The GC column performance in the calibrations was acceptable, with the height of the valley between the closely eluting isomers and 2,3,7,8-TCDD reported as less than 25%. No qualifications were required.

2.2.2 Mass Spectrometer Performance

The mass spectrometer performance was acceptable with the static resolving power greater than 10,000. No qualifications were required.

2.3 CALIBRATION

2.3.1 Initial Calibration

The initial calibration was analyzed 03/22/2006 on instrument VG-5. The calibration consisted of six concentration level standards (CS0 through CS5) analyzed to verify instrument linearity. The initial calibrations were acceptable with %RSDs ≤20% for the 16 native compounds (calibration by isotope dilution) and ≤35% for the one native and all labeled compounds (calibration by internal standard). The relative retention times and ion abundance ratios were within the QC limits listed in Method 1613 for all standards. A representative number of %RSDs were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

2.3.2 Continuing Calibration

Calibration verification (VER) consisted of a mid-level standard (CS3) analyzed at the beginning of each analytical sequence. The VER was acceptable with the concentrations within the acceptance criteria listed in Table 6 of EPA Method 1613. The ion abundance ratios and relative retention times were within the method QC limits. A representative number of %Ds were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

WDM and isomer specificity compounds were added to the VER standard instead of being analyzed separately, as noted in section 2.2.1 of this report. No adverse effect was observed with this practice.

2.4 BLANKS

One method blank (0-7910-MB001) was extracted and analyzed with the sample in this SDG. Target compound OCDD was detected in the method blank at a concentration below the laboratory calibration level. OCDD was also detected in the site sample; however, the detect in the sample exceeded five times the concentration reported in the method blank and required no qualification. There were no other target compounds detected in the method blank. A review of the method blank raw data and chromatograms indicated no false negatives or false positives. No qualifications were required.

2.5 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

One blank spike (0-7910-OPR001) was extracted and analyzed with the sample in this SDG. All recoveries were within the acceptance criteria listed in Table 6 of Method 1613. A review of the raw data and chromatograms indicated no transcription or calculation errors. No qualifications were required.

2.6 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MS/MSD analyses were not performed in this SDG. Evaluation of method accuracy was based on the OPR results. No qualifications were required.

2.7 FIELD QC SAMPLES

Following are findings associated with field QC:

2.7.1 Field Blanks and Equipment Rinsates

The sample in this SDG had no field blank or equipment rinsate identified. No qualification of the site sample was required.

2.7.2 Field Duplicates

No field duplicates were identified in association with the sample in this SDG.

2.8 INTERNAL STANDARDS

The labeled standard recoveries were within the acceptance criteria listed in Table 7 of Method 1613. No qualifications were required.

2.9 COMPOUND IDENTIFICATION

The laboratory analyzed for polychlorinated dioxins/furans by EPA Method 1613. The compound identifications were verified from the raw data and no false negatives or positives were noted. No qualifications were required.

2.10 COMPOUND QUANTIFICATION AND REPORTED DETECTION LIMITS

Compound quantitation was verified from the raw data. The laboratory calculated and reported compound-specific detection limits. Any detects below the laboratory lower calibration level were qualified as estimated, "J." These "J" values were annotated with the qualification code of "DNQ" to comply with the reporting requirements of the NPDES permit. No further qualifications were required.

Sample ID: **IPD0258-01** Outfall 004 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	27551-001	Date Received:	6-Apr-06
Project:	IPD0258	Sample Size:	1.03 L	QC Batch No.:	7910	Date Extracted:	9-Apr-06
Date Collected:	4-Apr-06			Date Analyzed DB-5:	11-Apr-06	Date Analyzed DB-225:	NA
Time Collected:	0920						

Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.000000753		
1,2,3,7,8-PeCDD	ND	0.000000766		
1,2,3,4,7,8-HxCDD	ND	0.00000137		
1,2,3,6,7,8-HxCDD	0.00000201			J
1,2,3,7,8,9-HxCDD	ND	0.00000191		
1,2,3,4,6,7,8-HpCDD	0.0000724			
OCDD	0.00113			B
2,3,7,8-TCDF	ND	0.000000571		
1,2,3,7,8-PeCDF	ND	0.000000729		
2,3,4,7,8-PeCDF	ND	0.000000714		
1,2,3,4,7,8-HxCDF	ND	0.000000553		
1,2,3,6,7,8-HxCDF	ND	0.000000572		
2,3,4,6,7,8-HxCDF	ND	0.000000583		
1,2,3,7,8,9-HxCDF	ND	0.000000816		
1,2,3,4,6,7,8-HpCDF	0.00000840			J
1,2,3,4,7,8,9-HpCDF	ND	0.00000110		
OCDF	0.0000303			J

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	55.6	25 - 164	
	13C-1,2,3,7,8-PeCDD	50.9	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	54.3	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	50.1	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	55.2	23 - 140	
	13C-OCDD	43.4	17 - 157	
	13C-2,3,7,8-TCDF	54.3	24 - 169	
	13C-1,2,3,7,8-PeCDF	51.2	24 - 185	
	13C-2,3,4,7,8-PeCDF	49.2	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	51.9	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	47.8	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	49.9	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	49.4	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	50.1	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	51.9	26 - 138	
	13C-OCDF	44.5	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	91.7	35 - 197	

Totals			
Total TCDD	ND	0.000000753	
Total PeCDD	ND	0.000000766	
Total HxCDD	0.0000115		
Total HpCDD	0.000135		
Total TCDF	ND	0.000000571	
Total PeCDF	0.000000859		
Total HxCDF	0.00000829		
Total HpCDF	0.0000397		

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: MAS

Approved By: William J. Luksemburg 12-Apr-2006 09:57

Project 27551

CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

MECX, LLC
12260 East Vassar Drive
Suite 500
Lakewood, CO 80226

Package ID B4DF64
Task Order 1261.001D.01
SDG No. IPC2199
No. of Analyses 1

Laboratory Alta Analytical
Reviewer E. Wessling
Analysis/Method Dioxins/Furans by 1613

Date: April 12, 2006
Reviewer's Signature

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications were assigned for the following:
Holding Times	- results between the RL and the MDL were estimated
GC/MS Tune/Inst. Performance	
Calibration	
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification	
Quantitation	
System Performance	

COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

DATA VALIDATION REPORT

NPDES Monitoring Program
Annual Outfall 004

ANALYSIS: DIOXINS/FURANS

SAMPLE DELIVERY GROUP: IPC2199

Prepared by

MEC^X, LLC
12269 East Vassar Drive
Aurora, CO 80014

1. INTRODUCTION

Task Order Title:	NPDES
Contract Task Order:	1261.001D.01
Sample Delivery Group:	IPC2199
Project Manager:	P. Costa
Matrix:	Water
Analysis:	Dioxins/Furans
QC Level:	Level IV
No. of Samples:	1
No. of Reanalyses/Dilutions:	0
Reviewer:	E. Wessling
Date of Review:	April 12, 2006

The samples listed in Table 1 were validated based on the guidelines outlined in the *MEC^X Data Validation Procedure for Dioxins and Furans (DVP-19, Rev. 0), USEPA Method 1613*, and the *National Functional Guidelines for Chlorinated Dioxin/Furan Data Review* (8/02). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Client ID	Laboratory ID (Del Mar)	Laboratory ID (Alta)	Matrix	COC Method
Outfall 004	IPC2199-01	27455-001	Water	1613

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The sample in this SDG was received at Del Mar Analytical within the temperature limits of 4°C ±2°C. The sample was shipped to Alta for dioxin/furan analysis and was received below the temperature limits at 1°C. As the sample was not noted to be damaged or frozen, no qualifications were required. According to the case narrative and laboratory login sheet, the sample was received intact and in good condition at both laboratories. No qualifications were required.

2.1.2 Chain of Custody

The COC and transfer COC were legible and signed by the appropriate field and laboratory personnel, and accounted for the analysis presented in this SDG. As the sample was couriered directly to Del Mar Analytical-Irvine, custody seals were not required. The Client ID was added to the sample result summary by the reviewer. No qualifications were required.

2.1.3 Holding Times

The sample was extracted and analyzed within one year of collection. No qualifications were required.

2.2 INSTRUMENT PERFORMANCE

Following are findings associated with instrument performance:

2.2.1 GC Column Performance

A Windows Defining Mix (WDM) containing the first and last eluting congeners of each descriptor and isomer specificity compounds was not analyzed prior to the initial calibration sequence or at the beginning of each analytical sequence; however, the first and last eluting congeners and isomer specificity compounds were added to the midpoint of the initial calibration and to the continuing calibration standards (see section 2.3.2). The GC column performance in the calibrations was acceptable, with the height of the valley between the closely eluting isomers and 2,3,7,8-TCDD reported as less than 25%. No qualifications were required.

2.2.2 Mass Spectrometer Performance

The mass spectrometer performance was acceptable with the static resolving power greater than 10,000. No qualifications were required.

2.3 CALIBRATION

2.3.1 Initial Calibration

The initial calibration was analyzed 03/22/2006 on instrument VG-5. The calibration consisted of six concentration level standards (CS0 through CS5) analyzed to verify instrument linearity. The initial calibrations were acceptable with %RSDs ≤20% for the 16 native compounds (calibration by isotope dilution) and <35% for the one native and all labeled compounds (calibration by internal standard). The relative retention times and ion abundance ratios were within the QC limits listed in Method 1613 for all standards. A representative number of %RSDs were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

2.3.2 Continuing Calibration

Calibration verification (VER) consisted of a mid-level standard (CS3) analyzed at the beginning of each analytical sequence. The VER was acceptable with the concentrations within the acceptance criteria listed in Table 6 of EPA Method 1613. The ion abundance ratios and relative retention times were within the method QC limits. A representative number of %Ds were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

WDM and isomer specificity compounds were added to the VER standard instead of being analyzed separately, as noted in section 2.2.1 of this report. No adverse effect was observed with this practice.

2.4 BLANKS

One method blank (0-7893-MB001) was extracted and analyzed with the sample in this SDG. There were no target compounds detected in the method blank. A review of the method blank raw data and chromatograms indicated no false negatives. No qualifications were required.

2.5 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

One blank spike (0-7893-OPR001) was extracted and analyzed with the sample in this SDG. All recoveries were within the acceptance criteria listed in Table 6 of Method 1613. A review of the raw data and chromatograms indicated no transcription or calculation errors. No qualifications were required.

2.6 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MS/MSD analyses were not performed in this SDG. Evaluation of method accuracy was based on the OPR results. No qualifications were required.

2.7 FIELD QC SAMPLES

Following are findings associated with field QC:

2.7.1 Field Blanks and Equipment Rinsates

The sample in this SDG had no field blank or equipment rinsate identified. No qualification of the site sample was required.

2.7.2 Field Duplicates

No field duplicates were identified in association with the sample in this SDG.

2.8 INTERNAL STANDARDS

The labeled standard recoveries were within the acceptance criteria listed in Table 7 of Method 1613. No qualifications were required.

2.9 COMPOUND IDENTIFICATION

The laboratory analyzed for polychlorinated dioxins/furans by EPA Method 1613. The compound identifications were verified from the raw data and no false negatives or positives were noted. No qualifications were required.

2.10 COMPOUND QUANTIFICATION AND REPORTED DETECTION LIMITS

Compound quantitation was verified from the raw data. The laboratory calculated and reported compound-specific detection limits. Any detects below the laboratory lower calibration level were qualified as estimated, "J." These "J" values were annotated with the qualification code of "DNQ" to comply with the reporting requirements of the NPDES permit. Reported detects for total dioxin or total furan isomers containing both dioxin or furan and EMPC values were qualified as estimated detects, "J." No further qualifications were required.

ALTA

Sample ID:	IPC2199-01				EPA Method 1613
Client Data		**Sample Data**		**Laboratory Data**	
Name	Del Mar Analytical, Irvine	Matrix	Aqueous	Lab Sample	27455-001
Project	IPC2199	Sample Size	1.01 L	QC Batch No.	7893
Date Collected	21-Mar-06			Date Analyzed DB-5	4-Apr-06
Time Collected	0910			Date Received	23-Mar-06
				Date Extracted	3-Apr-06
				Date Analyzed DB-225	NA

Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.000000653		
1,2,3,7,8-PeCDD	ND	0.00000294		
1,2,3,4,7,8-HxCDD	ND	0.00000170		
1,2,3,6,7,8-HxCDD	ND	0.00000168		
1,2,3,7,8,9-HxCDD	ND	0.00000163		
1,2,3,4,6,7,8-HpCDD	0.0000218			J
OCDD	0.000306			
2,3,7,8-TCDF	ND	0.000000880		
1,2,3,7,8-PeCDF	ND	0.00000162		
2,3,4,7,8-PeCDF	ND	0.00000185		
1,2,3,4,7,8-HxCDF	ND	0.00000113		
1,2,3,6,7,8-HxCDF	ND	0.00000139		
2,3,4,6,7,8-HxCDF	ND	0.00000126		
1,2,3,7,8,9-HxCDF	ND	0.00000142		
1,2,3,4,6,7,8-HpCDF	0.00000271			J
1,2,3,4,7,8,9-HpCDF	ND	0.000000955		
OCDF	0.00000856			J

Labeled Standard		%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	67.2	25 - 164	
	13C-1,2,3,7,8-PeCDD	44.3	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	60.9	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	59.1	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	60.8	23 - 140	
	13C-OCDD	53.1	17 - 157	
	13C-2,3,7,8-TCDF	62.3	24 - 169	
	13C-1,2,3,7,8-PeCDF	47.3	24 - 185	
	13C-2,3,4,7,8-PeCDF	40.0	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	61.8	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	45.2	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	53.4	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	68.6	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	68.6	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	71.7	26 - 138	
	13C-OCDF	63.1	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	98.4	35 - 197	

Totals			
Total TCDD	ND	0.000000653	
Total PeCDD	ND	0.00000294	
Total HxCDD	0.00000153		
Total HpCDD	0.0000482		
Total TCDF	ND	0.000000880	
Total PeCDF	ND	0.00000173	
Total HxCDF	ND	0.00000129	
Total HpCDF	0.0000271		0.00000757

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: Martha M. Maier 05-Apr-2006 09:28

CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

MECX, LLC
12260 East Vassar Drive
Suite 500
Lakewood, CO 80226

Package ID B4DF60
Task Order 1261.001D.01
SDG No. IPC2826
No. of Analyses 1

Laboratory Alta Analytical
Reviewer E. Wessling
Analysis/Method Dioxins/ Furans by Method 1613

Date: April 10, 2006~~February 17, 2006~~
Reviewer's Signature

ACTION ITEMS[a]	
. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications were assigned for the following:
	- results between the RL and the MDL were estimated and annotated "DNQ"
Holding Times	
GC/MS Tune/Inst. Performance	
Calibration	
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification	
Quantitation	
System Performance	
COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

DATA VALIDATION REPORT

NPDES Monitoring Program
Annual Outfall 004

ANALYSIS: DIOXINS/FURANS

SAMPLE DELIVERY GROUP: IPC2826

Prepared by

MEC^X, LLC
12269 East Vassar Drive
Aurora, CO 80014

1. INTRODUCTION

Task Order Title:	NPDES
Contract Task Order:	1261.001D.01
Sample Delivery Group:	IPC2826
Project Manager:	P. Costa
Matrix:	Water
Analysis:	Dioxins/Furans
QC Level:	Level IV
No. of Samples:	1
No. of Reanalyses/Dilutions:	0
Reviewer:	E. Wessling
Date of Review:	April 10, 2006

The samples listed in Table 1 were validated based on the guidelines outlined in the *MEC^X Data Validation Procedure for Dioxins and Furans (DVP-19, Rev. 0), USEPA Method 1613*, and the *National Functional Guidelines for Chlorinated Dioxin/Furan Data Review* (8/02). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Client ID	Laboratory ID (Del Mar)	Laboratory ID (Alta)	Matrix	COC Method
Outfall 004	IPC2826-01	27500-001	Water	1613

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The sample in this SDG was received at Del Mar Analytical within the temperature limits of 4°C ±2°C. The sample was shipped to Alta for dioxin/furan analysis and was received below the temperature limits at 0°C. As the sample was not noted to be damaged or frozen, no qualifications were required. According to the case narrative and laboratory login sheet, the sample was received intact and in good condition at both laboratories. No qualifications were required.

2.1.2 Chain of Custody

The COC and transfer COC were legible and signed by the appropriate field and laboratory personnel, and accounted for the analysis presented in this SDG. As the sample was couriered directly to Del Mar Analytical-Irvine, custody seals were not required. The Client ID was added to the sample result summary by the reviewer. No qualifications were required.

2.1.3 Holding Times

The sample was extracted and analyzed within one year of collection. No qualifications were required.

2.2 INSTRUMENT PERFORMANCE

Following are findings associated with instrument performance:

2.2.1 GC Column Performance

A Windows Defining Mix (WDM) containing the first and last eluting congeners of each descriptor and isomer specificity compounds was not analyzed prior to the initial calibration sequence or at the beginning of each analytical sequence; however, the first and last eluting congeners and isomer specificity compounds were added to the midpoint of the initial calibration and to the continuing calibration standards (see section 2.3.2). The GC column performance in the calibrations was acceptable, with the height of the valley between the closely eluting isomers and 2,3,7,8-TCDD reported as less than 25%. No qualifications were required.

2.2.2 Mass Spectrometer Performance

The mass spectrometer performance was acceptable with the static resolving power greater than 10,000. No qualifications were required.

2.3 CALIBRATION

2.3.1 Initial Calibration

The initial calibration was analyzed 01/12/2006 on instrument VG-7. The calibration consisted of six concentration level standards (CS0 through CS5) analyzed to verify instrument linearity. The initial calibrations were acceptable with %RSDs ≤20% for the 16 native compounds (calibration by isotope dilution) and ≤35% for the one native and all labeled compounds (calibration by internal standard). The relative retention times and ion abundance ratios were within the QC limits listed in Method 1613 for all standards. A representative number of %RSDs were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

2.3.2 Continuing Calibration

Calibration verification (VER) consisted of a mid-level standard (CS3) analyzed at the beginning of each analytical sequence. The VER was acceptable with the concentrations within the acceptance criteria listed in Table 6 of EPA Method 1613. The ion abundance ratios and relative retention times were within the method QC limits. A representative number of %Ds were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

WDM and isomer specificity compounds were added to the VER standard instead of being analyzed separately, as noted in section 2.2.1 of this report. No adverse effect was observed with this practice.

2.4 BLANKS

One method blank (0-7886-MB001) was extracted and analyzed with the sample in this SDG. There were no target compounds detected in the method blank. A review of the method blank raw data and chromatograms indicated no false negatives. No qualifications were required.

2.5 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

One blank spike (0-7886-OPR001) was extracted and analyzed with the sample in this SDG. All recoveries were within the acceptance criteria listed in Table 6 of Method 1613. A review of the raw data and chromatograms indicated no transcription or calculation errors. No qualifications were required.

2.6 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MS/MSD analyses were not performed in this SDG. Evaluation of method accuracy was based on the OPR results. No qualifications were required.

2.7 FIELD QC SAMPLES

Following are findings associated with field QC:

2.7.1 Field Blanks and Equipment Rinsates

The sample in this SDG had no field blank or equipment rinsate identified. No qualification of the site sample was required.

2.7.2 Field Duplicates

No field duplicates were identified in association with the sample in this SDG.

2.8 INTERNAL STANDARDS

The labeled standard recoveries were within the acceptance criteria listed in Table 7 of Method 1613. No qualifications were required.

2.9 COMPOUND IDENTIFICATION

The laboratory analyzed for polychlorinated dioxins/furans by EPA Method 1613. The compound identifications were verified from the raw data and no false negatives or positives were noted. No qualifications were required.

2.10 COMPOUND QUANTIFICATION AND REPORTED DETECTION LIMITS

Compound quantitation was verified from the raw data. The laboratory calculated and reported compound-specific detection limits. Any detects below the laboratory lower calibration level were qualified as estimated, "J." These "J" values were annotated with the qualification code of "DNQ" to comply with the reporting requirements of the NPDES permit. No further qualifications were required.

ALTA

Sample ID: IPC2826-01 Outfall 004 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	27500-001	Date Received:	30-Mar-06
Project:	IPC2826	Sample Size:	0.997 L	QC Batch No.:	7886	Date Extracted:	31-Mar-06
Date Collected:	28-Mar-06			Date Analyzed DB-5:	1-Apr-06	Date Analyzed DB-225:	NA
Time Collected:	0830						

Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.000000956		
1,2,3,7,8-PeCDD	ND	0.00000139		
1,2,3,4,7,8-HxCDD	ND	0.00000156		
1,2,3,6,7,8-HxCDD	ND	0.00000157		
1,2,3,7,8,9-HxCDD	ND	0.00000152		
1,2,3,4,6,7,8-HpCDD	0.0000153			J
OCDD	0.000240			
2,3,7,8-TCDF	ND	0.000000906		
1,2,3,7,8-PeCDF	ND	0.00000170		
2,3,4,7,8-PeCDF	ND	0.00000170		
1,2,3,4,7,8-HxCDF	ND	0.000000474		
1,2,3,6,7,8-HxCDF	ND	0.000000435		
2,3,4,6,7,8-HxCDF	ND	0.000000492		
1,2,3,7,8,9-HxCDF	ND	0.000000635		
1,2,3,4,6,7,8-HpCDF	0.00000237			J
1,2,3,4,7,8,9-HpCDF	ND	0.000000562		
OCDF	0.00000560			J

Labeled Standard		%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	61.8	25 - 164	
	13C-1,2,3,7,8-PeCDD	61.2	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	62.5	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	61.7	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	65.8	23 - 140	
	13C-OCDD	34.3	17 - 157	
	13C-2,3,7,8-TCDF	60.0	24 - 169	
	13C-1,2,3,7,8-PeCDF	66.9	24 - 185	
	13C-2,3,4,7,8-PeCDF	62.6	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	62.6	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	65.9	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	62.9	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	64.0	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	61.0	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	65.0	26 - 138	
	13C-OCDF	40.7	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	87.7	35 - 197	

Totals			
Total TCDD	ND	0.000000956	
Total PeCDD	ND	0.00000139	
Total HxCDD	ND	0.00000155	
Total HpCDD	0.0000297		
Total TCDF	ND	0.000000906	
Total PeCDF	ND	0.00000170	
Total HxCDF	0.00000132		0.00000198
Total HpCDF	0.00000926		

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: Martha M. Maier 03-Apr-2006 11:49

PM 4/11/06

LEVEL IV

CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

MEC[X]
12269 East Vassar Drive
Aurora, CO 80014

Package ID B4DF42
Task Order 1261.001D.01
SDG No. IPC0165
No. of Analyses 1

Laboratory Alta
Reviewer K. Shadowlight
Analysis/Method Dioxin/Furan by Method 1613

Date: April 2, 2006
Reviewer's Signature K Shadowlight

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Detects below the laboratory lower calibration level were qualified as estimated.
Holding Times	
GC/MS Tune/Inst. Performance	
Calibration	
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification	
Quantitation	
System Performance	
COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

DATA VALIDATION REPORT

NPDES Monitoring Program
Routine Outfall 004

ANALYSIS: DIOXINS/FURANS

SAMPLE DELIVERY GROUP: IPC0165

Prepared by

MEC^X, LLC
12269 East Vassar Drive
Aurora, CO 80014

1. INTRODUCTION

Task Order Title:	NPDES
Contract Task Order:	1261.001.01
Sample Delivery Group:	IPC0165
Project Manager:	P. Costa
Matrix:	Water
Analysis:	Dioxins/Furans
QC Level:	Level IV
No. of Samples:	1
No. of Reanalyses/Dilutions:	0
Reviewer:	K. Shadowlight
Date of Review:	April 2, 2006

The samples listed in Table 1 were validated based on the guidelines outlined in the *MEC^X Data Validation Procedure for Dioxins and Furans (DVP-19, Rev. 0), USEPA Method 1613*, and the *National Functional Guidelines for Chlorinated Dioxin/Furan Data Review* (8/02). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Client ID	Laboratory ID (Del Mar)	Laboratory ID (Alta)	Matrix	COC Method
Outfall 004	IPC0165-01	27365-001	Water	1613

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The sample in this SDG was received at Del Mar Analytical within the temperature limits of 4°C ±2°C. The sample was shipped to Alta for dioxin/furan analysis and was received below the temperature limits at 0°C. As the sample was not noted to be damaged or frozen, no qualifications were required. According to the case narrative and laboratory login sheet, the sample was received intact and in good condition at both laboratories. No qualifications were required.

2.1.2 Chain of Custody

The COC and transfer COC were legible and signed by the appropriate field and laboratory personnel, and accounted for the analysis presented in this SDG. As the sample was couriered directly to Del Mar Analytical-Irvine, custody seals were not required. The Client ID was added to the sample result summary by the reviewer. No qualifications were required.

2.1.3 Holding Times

The sample was extracted and analyzed within one year of collection. No qualifications were required.

2.2 INSTRUMENT PERFORMANCE

Following are findings associated with instrument performance:

2.2.1 GC Column Performance

A Windows Defining Mix (WDM) containing the first and last eluting congeners of each descriptor and isomer specificity compounds was not analyzed prior to the initial calibration sequence or at the beginning of each analytical sequence; however, the first and last eluting congeners and isomer specificity compounds were added to the midpoint of the initial calibration and to the continuing calibration standards (see section 2.3.2). The GC column performance in the calibrations was acceptable, with the height of the valley between the closely eluting isomers and 2,3,7,8-TCDD reported as less than 25%. No qualifications were required.

2.2.2 Mass Spectrometer Performance

The mass spectrometer performance was acceptable with the static resolving power greater than 10,000. No qualifications were required.

2.3 CALIBRATION

2.3.1 Initial Calibration

The initial calibration was analyzed 01/12/2006 on instrument VG-7. The calibration consisted of six concentration level standards (CS0 through CS5) analyzed to verify instrument linearity. The initial calibrations were acceptable with %RSDs ≤20% for the 16 native compounds (calibration by isotope dilution) and ≤35% for the one native and all labeled compounds (calibration by internal standard). The relative retention times and ion abundance ratios were within the QC limits listed in Method 1613 for all standards. A representative number of %RSDs were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

2.3.2 Continuing Calibration

Calibration verification (VER) consisted of a mid-level standard (CS3) analyzed at the beginning of each analytical sequence. The VERs were acceptable with the concentrations within the acceptance criteria listed in Table 6 of EPA Method 1613. The ion abundance ratios and relative retention times were within the method QC limits. A representative number of %Ds were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

WDM and isomer specificity compounds were added to the VER standard instead of being analyzed separately, as noted in section 2.2.1 of this report. No adverse effect was observed with this practice.

2.4 BLANKS

One method blank (0-7807-MB001) was extracted and analyzed with the sample in this SDG. There were no target compounds detected in the method blank. A review of the method blank raw data and chromatograms indicated no false negatives. No qualifications were required.

2.5 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

One blank spike (0-7807-OPR001) was extracted and analyzed with the sample in this SDG. All recoveries were within the acceptance criteria listed in Table 6 of Method 1613. A review of the raw data and chromatograms indicated no transcription or calculation errors. No qualifications were required.

2.6 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MS/MSD analyses were not performed in this SDG. Evaluation of method accuracy was based on the OPR results. No qualifications were required.

2.7 FIELD QC SAMPLES

Following are findings associated with field QC:

2.7.1 Field Blanks and Equipment Rinsates

The sample in this SDG had no field blank or equipment rinsate identified. No qualifications of the site samples were required.

2.7.2 Field Duplicates

No field duplicates were identified in association with the sample in this SDG.

2.8 INTERNAL STANDARDS

The labeled standard recoveries were within the acceptance criteria listed in Table 7 of Method 1613. No qualifications were required.

2.9 COMPOUND IDENTIFICATION

The laboratory analyzed for polychlorinated dioxins/furans by EPA Method 1613. The compound identifications were verified from the raw data and no false negatives or positives were noted. No qualifications were required.

2.10 COMPOUND QUANTIFICATION AND REPORTED DETECTION LIMITS

Compound quantitation was verified from the raw data. The laboratory calculated and reported compound-specific detection limits. Any detects below the laboratory lower calibration level were qualified as estimated, "J." These "J" values were annotated with the qualification code of "DNQ" to comply with the reporting requirements of the NPDES permit. No further qualifications were required.

Sample ID: IPC0165-01 Outfall 004 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	27365-001	Date Received:	3-Mar-06
Project:	IPC0165	Sample Size:	1.00 L	QC Batch No.:	7807	Date Extracted:	5-Mar-06
Date Collected:	1-Mar-06			Date Analyzed DB-5:	8-Mar-06	Date Analyzed DB-225:	NA
Time Collected:	0940						

Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.00000139		
1,2,3,7,8-PeCDD	ND	0.00000158		
1,2,3,4,7,8-HxCDD	ND	0.00000276		
1,2,3,6,7,8-HxCDD	ND	0.00000294		
1,2,3,7,8,9-HxCDD	ND	0.00000276		
1,2,3,4,6,7,8-HpCDD	0.0000547			
OCDD	0.000706			
2,3,7,8-TCDF	ND	0.00000117		
1,2,3,7,8-PeCDF	ND	0.00000136		
2,3,4,7,8-PeCDF	ND	0.00000147		
1,2,3,4,7,8-HxCDF	ND	0.00000130		
1,2,3,6,7,8-HxCDF	ND	0.00000129		
2,3,4,6,7,8-HxCDF	ND	0.00000139		
1,2,3,7,8,9-HxCDF	ND	0.00000179		
1,2,3,4,6,7,8-HpCDF	0.00000556			J
1,2,3,4,7,8,9-HpCDF	ND	0.00000119		
OCDF	0.0000156			J

Labeled Standard		%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	68.7	25 - 164	
	13C-1,2,3,7,8-PeCDD	68.6	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	61.1	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	61.0	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	61.7	23 - 140	
	13C-OCDD	39.9	17 - 157	
	13C-2,3,7,8-TCDF	67.1	24 - 169	
	13C-1,2,3,7,8-PeCDF	73.1	24 - 185	
	13C-2,3,4,7,8-PeCDF	70.7	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	59.4	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	57.0	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	58.2	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	60.6	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	57.1	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	60.6	26 - 138	
	13C-OCDF	45.7	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	87.0	35 - 197	

Totals			
Total TCDD	ND	0.00000139	
Total PeCDD	ND	0.00000158	
Total HxCDD	0.0000138		
Total HpCDD	0.000115		
Total TCDF	ND	0.00000117	
Total PeCDF	ND	0.00000141	
Total HxCDF	0.00000361		0.00000599
Total HpCDF	0.0000220		

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: Martha M. Maier 08-Mar-2006 14:29

MEC[X]
12269 East Vassar Drive
Aurora, CO 80014

Package ID B4DF38
Task Order 1261.001D.01
SDG No. IPB1810
No. of Analyses 1

Laboratory Alta
Reviewer K. Shadowlight
Analysis/Method Dioxin/Furan by Method 1613

Date: April 2, 2006
Reviewer's Signature
K Shadowlight

ACTION ITEMS[a]	
1. Case Narrative Deficiencies	
2. Out of Scope Analyses	
3. Analyses Not Conducted	
4. Missing Hardcopy Deliverables	
5. Incorrect Hardcopy Deliverables	
6. Deviations from Analysis Protocol, e.g.,	Detects below the laboratory lower calibration level were qualified as estimated.
Holding Times	
GC/MS Tune/Inst Performance	
Calibration	
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification	
Quantitation	
System Performance	
COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required

DATA VALIDATION REPORT

NPDES Monitoring Program
Annual Outfall 004

ANALYSIS: DIOXINS/FURANS

SAMPLE DELIVERY GROUP: IPB1810

Prepared by

MEC^X, LLC
12269 East Vassar Drive
Aurora, CO 80014

1. INTRODUCTION

Task Order Title:	NPDES
Contract Task Order:	1261.001.01
Sample Delivery Group:	IPB1810
Project Manager:	P. Costa
Matrix:	Water
Analysis:	Dioxins/Furans
QC Level:	Level IV
No. of Samples:	1
No. of Reanalyses/Dilutions:	0
Reviewer:	K. Shadowlight
Date of Review:	April 2, 2006

The samples listed in Table 1 were validated based on the guidelines outlined in the *MEC^X Data Validation Procedure for Dioxins and Furans (DVP-19, Rev. 0), USEPA Method 1613*, and the *National Functional Guidelines for Chlorinated Dioxin/Furan Data Review* (8/02). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Client ID	Laboratory ID (Del Mar)	Laboratory ID (Alta)	Matrix	COC Method
Outfall 004	IPB1810-01	27308-001	Water	1613

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The sample in this SDG was received at Del Mar Analytical within the temperature limits of 4°C ±2°C. The sample was shipped to Alta for dioxin/furan analysis and was received below the temperature limits at 1°C. As the sample was not noted to be damaged or frozen, no qualifications were required. According to the case narrative and laboratory login sheet, the sample was received intact and in good condition at both laboratories. No qualifications were required.

2.1.2 Chain of Custody

The COC and transfer COC were legible and signed by the appropriate field and laboratory personnel, and accounted for the analysis presented in this SDG. As the sample was couriered directly to Del Mar Analytical-Irvine, custody seals were not required. The Client ID was added to the sample result summary by the reviewer. No qualifications were required.

2.1.3 Holding Times

The sample was extracted and analyzed within one year of collection. No qualifications were required.

2.2 INSTRUMENT PERFORMANCE

Following are findings associated with instrument performance:

2.2.1 GC Column Performance

A Windows Defining Mix (WDM) containing the first and last eluting congeners of each descriptor and isomer specificity compounds was not analyzed prior to the initial calibration sequence or at the beginning of each analytical sequence; however, the first and last eluting congeners and isomer specificity compounds were added to the midpoint of the initial calibration and to the continuing calibration standards (see section 2.3.2). The GC column performance in the calibrations was acceptable, with the height of the valley between the closely eluting isomers and 2,3,7,8-TCDD reported as less than 25%. No qualifications were required.

2.2.2 Mass Spectrometer Performance

The mass spectrometer performance was acceptable with the static resolving power greater than 10,000. No qualifications were required.

2.3 CALIBRATION

2.3.1 Initial Calibration

The initial calibration was analyzed 01/12/2006 on instrument VG-7. The calibration consisted of six concentration level standards (CS0 through CS5) analyzed to verify instrument linearity. The initial calibrations were acceptable with %RSDs ≤20% for the 16 native compounds (calibration by isotope dilution) and ≤35% for the one native and all labeled compounds (calibration by internal standard). The relative retention times and ion abundance ratios were within the QC limits listed in Method 1613 for all standards. A representative number of %RSDs were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

2.3.2 Continuing Calibration

Calibration verification (VER) consisted of a mid-level standard (CS3) analyzed at the beginning of each analytical sequence. The VERs were acceptable with the concentrations within the acceptance criteria listed in Table 6 of EPA Method 1613. The ion abundance ratios and relative retention times were within the method QC limits. A representative number of %Ds were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

WDM and isomer specificity compounds were added to the VER standard instead of being analyzed separately, as noted in section 2.2.1 of this report. No adverse effect was observed with this practice.

2.4 BLANKS

One method blank (0-7782-MB001) was extracted and analyzed with the sample in this SDG. Target compound OCDD was reported at a concentration below the laboratory lower calibration level in the method blank. The concentration of OCDD in the sample exceeded five times the concentration in the method blank and required no qualification. OCDF was reported as an EMPC in the method blank. A review of the method blank raw data and chromatograms indicated no false negatives or false positives. No qualifications were required.

2.5 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

One blank spike (0-7782-OPR001) was extracted and analyzed with the sample in this SDG. All recoveries were within the acceptance criteria listed in Table 6 of Method 1613. A review of the raw data and chromatograms indicated no transcription or calculation errors. No qualifications were required.

2.6 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MS/MSD analyses were not performed in this SDG. Evaluation of method accuracy was based on the OPR results. No qualifications were required.

2.7 FIELD QC SAMPLES

Following are findings associated with field QC:

2.7.1 Field Blanks and Equipment Rinsates

The sample in this SDG had no field blank or equipment rinsate identified. No qualifications of the site samples were required.

2.7.2 Field Duplicates

No field duplicates were identified in association with the sample in this SDG.

2.8 INTERNAL STANDARDS

The labeled standard recoveries were within the acceptance criteria listed in Table 7 of Method 1613. No qualifications were required.

2.9 COMPOUND IDENTIFICATION

The laboratory analyzed for polychlorinated dioxins/furans by EPA Method 1613. The compound identifications were verified from the raw data and no false negatives or positives were noted. No qualifications were required.

2.10 COMPOUND QUANTIFICATION AND REPORTED DETECTION LIMITS

Compound quantitation was verified from the raw data. The laboratory calculated and reported compound-specific detection limits. Any detects below the laboratory lower calibration level were qualified as estimated, "J." These "J" values were annotated with the qualification code of "DNQ" to comply with the reporting requirements of the NPDES permit. No further qualifications were required.

ALTA

Sample ID:	IPB1810-01 Outfall 004			EPA Method 1613
Client Data		**Sample Data**		**Laboratory Data**			
Name:	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	27308-001	Date Received:	21-Feb-06
Project:	IPB1810	Sample Size:	1.01 L	QC Batch No.:	7782	Date Extracted:	23-Feb-06
Date Collected:	18-Feb-06			Date Analyzed DB-5:	25-Feb-06	Date Analyzed DB-225:	NA
Time Collected:	0945						

Analyte	Conc. (ug/L)	DL [a]	EMPC[b]	Qualifiers
2,3,7,8-TCDD	ND	0.00000246		
1,2,3,7,8-PeCDD	ND	0.00000658		
1,2,3,4,7,8-HxCDD	ND	0.00000402		
1,2,3,6,7,8-HxCDD	ND	0.00000386		
1,2,3,7,8,9-HxCDD	ND	0.00000379		
1,2,3,4,6,7,8-HpCDD	0.0000265			
OCDD	0.000334			B
2,3,7,8-TCDF	ND	0.00000270		
1,2,3,7,8-PeCDF	ND	0.00000470		
2,3,4,7,8-PeCDF	ND	0.00000478		
1,2,3,4,7,8-HxCDF	ND	0.00000130		
1,2,3,6,7,8-HxCDF	ND	0.00000129		
2,3,4,6,7,8-HxCDF	ND	0.00000137		
1,2,3,7,8,9-HxCDF	ND	0.00000227		
1,2,3,4,6,7,8-HpCDF	0.00000314			J
1,2,3,4,7,8,9-HpCDF	ND	0.00000160		
OCDF	0.00000977			J

	Labeled Standard	%R	LCL-UCL[d]	Qualifiers
IS	13C-2,3,7,8-TCDD	63.7	25 - 164	
	13C-1,2,3,7,8-PeCDD	62.5	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	53.8	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	64.3	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	66.6	23 - 140	
	13C-OCDD	40.8	17 - 157	
	13C-2,3,7,8-TCDF	52.8	24 - 169	
	13C-1,2,3,7,8-PeCDF	59.4	24 - 185	
	13C-2,3,4,7,8-PeCDF	58.1	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	61.2	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	61.1	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	61.8	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	63.7	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	63.8	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	68.1	26 - 138	
	13C-OCDF	48.1	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	93.7	35 - 197	

Totals		
Total TCDD	ND	0.00000246
Total PeCDD	ND	0.00000658
Total HxCDD	ND	0.00000387
Total HpCDD	0.0000540	
Total TCDF	ND	0.00000270
Total PeCDF	ND	0.00000474
Total HxCDF	0.00000133	
Total HpCDF	0.0000129	

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: RAS

Approved By: William J. Luksemburg 02-Mar-2006 11:07

CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

MEC[X]
12269 East Vassar Drive
Aurora, CO 80014

Package ID B4DF35
Task Order 1261.001D.01
SDG No. IPC1334
No. of Analyses 1

Laboratory Alta
Reviewer K. Shadowlight
Analysis/Method Dioxin/Furan by Method 1613

Date: April 3, 2006
Reviewer's Signature
K Shadowlight

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	Detects below the laboratory lower calibration level were qualified as estimated.
Holding Times	
GC/MS Tune/Inst. Performance	
Calibration	
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification	
Quantitation	
System Performance	
COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

DATA VALIDATION REPORT

NPDES Monitoring Program
Routine Outfall 004

ANALYSIS: DIOXINS/FURANS

SAMPLE DELIVERY GROUP: IPC1334

Prepared by

MEC^X, LLC
12269 East Vassar Drive
Aurora, CO 80014

1. INTRODUCTION

Task Order Title:	NPDES
Contract Task Order:	1261.001.01
Sample Delivery Group:	IPC1334
Project Manager:	P. Costa
Matrix:	Water
Analysis:	Dioxins/Furans
QC Level:	Level IV
No. of Samples:	1
No. of Reanalyses/Dilutions:	0
Reviewer:	K. Shadowlight
Date of Review:	April 3, 2006

The samples listed in Table 1 were validated based on the guidelines outlined in the *MEC^X Data Validation Procedure for Dioxins and Furans (DVP-19, Rev. 0), USEPA Method 1613*, and the *National Functional Guidelines for Chlorinated Dioxin/Furan Data Review* (8/02). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Client ID	Laboratory ID (Del Mar)	Laboratory ID (Alta)	Matrix	COC Method
Outfall 004	IPC1334-01	27409-001	Water	1613

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The sample in this SDG was received at Del Mar Analytical within the temperature limits of 4°C ±2°C. The sample was shipped to Alta for dioxin/furan analysis and was received below the temperature limits at 0°C. As the sample was not noted to be damaged or frozen, no qualifications were required. According to the case narrative and laboratory login sheet, the sample was received intact and in good condition at both laboratories. No qualifications were required.

2.1.2 Chain of Custody

The COC and transfer COC were legible and signed by the appropriate field and laboratory personnel, and accounted for the analysis presented in this SDG. Custody seals were present on the coolers from Del Mar to Alta; however no sample custody seals were present. As the sample was couriered directly to Del Mar Analytical-Irvine, custody seals were not required. The Client ID was added to the sample result summary by the reviewer. No qualifications were required.

2.1.3 Holding Times

The sample was extracted and analyzed within one year of collection. No qualifications were required.

2.2 INSTRUMENT PERFORMANCE

Following are findings associated with instrument performance:

2.2.1 GC Column Performance

A Windows Defining Mix (WDM) containing the first and last eluting congeners of each descriptor and isomer specificity compounds was not analyzed prior to the initial calibration sequence or at the beginning of each analytical sequence; however, the first and last eluting congeners and isomer specificity compounds were added to the midpoint of the initial calibration and to the continuing calibration standards (see section 2.3.2). The GC column performance in the calibrations was acceptable, with the height of the valley between the closely eluting isomers and 2,3,7,8-TCDD reported as less than 25%. No qualifications were required.

2.2.2 Mass Spectrometer Performance

The mass spectrometer performance was acceptable with the static resolving power greater than 10,000. No qualifications were required.

2.3 CALIBRATION

2.3.1 Initial Calibration

The initial calibration was analyzed 01/12/2006 on instrument VG-7. The calibration consisted of six concentration level standards (CS0 through CS5) analyzed to verify instrument linearity. The initial calibrations were acceptable with %RSDs ≤20% for the 16 native compounds (calibration by isotope dilution) and ≤35% for the one native and all labeled compounds (calibration by internal standard). The relative retention times and ion abundance ratios were within the QC limits listed in Method 1613 for all standards. A representative number of %RSDs were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

2.3.2 Continuing Calibration

Calibration verification (VER) consisted of a mid-level standard (CS3) analyzed at the beginning of each analytical sequence. The VERs were acceptable with the concentrations within the acceptance criteria listed in Table 6 of EPA Method 1613. The ion abundance ratios and relative retention times were within the method QC limits. A representative number of %Ds were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

WDM and isomer specificity compounds were added to the VER standard instead of being analyzed separately, as noted in section 2.2.1 of this report. No adverse effect was observed with this practice.

2.4 BLANKS

One method blank (0-7831-MB001) was extracted and analyzed with the sample in this SDG. There were no target compounds detected in the method blank. A review of the method blank raw data and chromatograms indicated no false negatives. No qualifications were required.

2.5 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

One blank spike (0-7831-OPR001) was extracted and analyzed with the sample in this SDG. All recoveries were within the acceptance criteria listed in Table 6 of Method 1613. A review of the raw data and chromatograms indicated no transcription or calculation errors. No qualifications were required.

2.6 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MS/MSD analyses were not performed in this SDG. Evaluation of method accuracy was based on the OPR results. No qualifications were required.

2.7 FIELD QC SAMPLES

Following are findings associated with field QC:

2.7.1 Field Blanks and Equipment Rinsates

The sample in this SDG had no field blank or equipment rinsate identified. No qualifications of the site samples were required.

2.7.2 Field Duplicates

No field duplicates were identified in association with the sample in this SDG.

2.8 INTERNAL STANDARDS

The labeled standard recoveries were within the acceptance criteria listed in Table 7 of Method 1613. No qualifications were required.

2.9 COMPOUND IDENTIFICATION

The laboratory analyzed for polychlorinated dioxins/furans by EPA Method 1613. The compound identifications were verified from the raw data and no false negatives or positives were noted. No qualifications were required.

2.10 COMPOUND QUANTIFICATION AND REPORTED DETECTION LIMITS

Compound quantitation was verified from the raw data. The laboratory calculated and reported compound-specific detection limits. Any detects below the laboratory lower calibration level were qualified as estimated, "J." These "J" values were annotated with the qualification code of "DNQ" to comply with the reporting requirements of the NPDES permit. No further qualifications were required.

Sample ID: **IPC1334-01** Outfall 004 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	27409-001	Date Received.	14-Mar-06
Project.	IPC1334	Sample Size:	1.02 L	QC Batch No.:	7831	Date Extracted:	15-Mar-06
Date Collected.	11-Mar-06			Date Analyzed DB-5:	16-Mar-06	Date Analyzed DB-225:	NA
Time Collected:	1040						

Analyte	Conc. (ug/L)	DL [a]	EMPC[b]	Qualifiers
2,3,7,8-TCDD	ND	0.00000107		
1,2,3,7,8-PeCDD	ND	0.00000148		
1,2,3,4,7,8-HxCDD	ND	0.00000134		
1,2,3,6,7,8-HxCDD	ND	0.00000147		
1,2,3,7,8,9-HxCDD	ND	0.00000136		
1,2,3,4,6,7,8-HpCDD	0.0000204			J
OCDD	0.000322			
2,3,7,8-TCDF	ND	0.000000965		
1,2,3,7,8-PeCDF	ND	0.00000113		
2,3,4,7,8-PeCDF	ND	0.00000115		
1,2,3,4,7,8-HxCDF	ND	0.000000487		
1,2,3,6,7,8-HxCDF	ND	0.000000452		
2,3,4,6,7,8-HxCDF	ND	0.000000512		
1,2,3,7,8,9-HxCDF	ND	0.000000685		
1,2,3,4,6,7,8-HpCDF	0.00000268			J
1,2,3,4,7,8,9-HpCDF	ND	0.000000869		
OCDF	0.00000847			J

Totals			
Total TCDD	ND	0.00000107	
Total PeCDD	ND	0.00000148	
Total HxCDD	0.00000157		0.00000290
Total HpCDD	0.0000405		
Total TCDF	ND	0.000000965	
Total PeCDF	ND	0.00000114	
Total HxCDF	0.00000246		
Total HpCDF	0.0000107		

	Labeled Standard	%R	LCL-UCL[d]	Qualifiers
IS	13C-2,3,7,8-TCDD	69.6	25 - 164	
	13C-1,2,3,7,8-PeCDD	69.5	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	62.0	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	64.7	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	61.9	23 - 140	
	13C-OCDD	44.5	17 - 157	
	13C-2,3,7,8-TCDF	70.5	24 - 169	
	13C-1,2,3,7,8-PeCDF	76.2	24 - 185	
	13C-2,3,4,7,8-PeCDF	73.1	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	62.8	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	66.5	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	64.1	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	60.5	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	59.1	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	61.0	26 - 138	
	13C-OCDF	48.0	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	101	35 - 197	

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: RAS Lowest DL

Approved By: William J. Luksemburg 17-Mar-2006 11:36

CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

MECX, LLC
12260 East Vassar Drive
Suite 500
Lakewood, CO 80226

Package ID B4DF3
Task Order 1261.001.01
SDG No. IPA0008
No. of Analyses 1

Laboratory Alta Analytical
Reviewer E. Wessling
Analysis/Method Dioxins/Furans by 1613

Date: February 3, 2006
Reviewer's Signature

ACTION ITEMS[a]	
1. **Case Narrative** / **Deficiencies**	
2. **Out of Scope** / **Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy** / **Deliverables**	
5. **Incorrect Hardcopy** / **Deliverables**	
6. **Deviations from Analysis** / **Protocol, e.g.,**	Qualifications were assigned for the following:
	--estimated values between the RL and the MDL
Holding Times	
GC/MS Tune/Inst. Performance	
Calibration	
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification	
Quantitation	
System Performance	

COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

DATA VALIDATION REPORT

NPDES Monitoring Program
Routine Outfall 004

ANALYSIS: DIOXINS/FURANS

SAMPLE DELIVERY GROUP: IPA0008

Prepared by

MEC^X, LLC
12269 East Vassar Drive
Aurora, CO 80014

1. INTRODUCTION

Task Order Title:	NPDES
Contract Task Order:	1261.001.01
Sample Delivery Group:	IPA0008
Project Manager:	P. Costa
Matrix:	Water
Analysis:	Dioxins/Furans
QC Level:	Level IV
No. of Samples:	1
No. of Reanalyses/Dilutions:	0
Reviewer:	E. Wessling
Date of Review:	February 2, 2006

The samples listed in Table 1 were validated based on the guidelines outlined in the *MEC^X Data Validation Procedure for Dioxins and Furans* (DVP-19, Rev. 0), *USEPA Method 1613*, and the *National Functional Guidelines for Chlorinated Dioxin/Furan Data Review* (8/02). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Sample ID	Laboratory ID (Del Mar)	Laboratory ID (Alta)	Matrix	COC Method
Outfall 004	IPA0008-01	27132-001	Water	1613

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The sample in this SDG was received at Del Mar Analytical within the temperature limits of 4°C ±2°C. The sample was shipped to Alta for dioxin/furan analysis and was received within the temperature limits of 4°C ±2°C or slightly below. As the sample was not noted to be damaged or frozen, no qualifications were required. According to the case narrative and laboratory login sheet, the sample was received intact and in good condition at both laboratories. No qualifications were required.

2.1.2 Chain of Custody

The COC and transfer COC were legible and signed by the appropriate field and laboratory personnel, and accounted for the analysis presented in this SDG. As the samples were couriered directly to Del Mar Analytical-Irvine, custody seals were not required. Custody seals were present on the coolers from Del Mar to Alta; however not sample custody seals were present. No qualifications were required.

2.1.3 Holding Times

The samples were extracted and analyzed within a year of collection. No qualifications were required.

2.2 INSTRUMENT PERFORMANCE

Following are findings associated with instrument performance:

2.2.1 GC Column Performance

A Windows Defining Mix (WDM) containing the first and last eluting congeners of each descriptor and isomer specificity compounds was not analyzed prior to the initial calibration sequence or at the beginning of each analytical sequence; however, the first and last eluting congeners and isomer specificity compounds were added to the midpoint of the initial calibration and to the continuing calibration standards (see section 2.3.2). The GC column performance in the calibrations was acceptable, with the height of the valley between the closely eluting isomers and 2,3,7,8-TCDD reported as less than 25%. No qualifications were required.

2.2.2 Mass Spectrometer Performance

The mass spectrometer performance was acceptable with the static resolving power greater than 10,000. No qualifications were required.

2.3 CALIBRATION

2.3.1 Initial Calibration

The initial calibration was analyzed 12/30/2005 on instrument VG-7. The calibration consisted of six concentration level standards (CS1 through CS6) analyzed to verify instrument linearity. The initial calibrations were acceptable with %RSDs $\leq$20% for the 16 native compounds (calibration by isotope dilution) and $\leq$35% for the one native and all labeled compounds (calibration by internal standard). The relative retention times and ion abundance ratios were within the QC limits listed in Method 1613 for all standards. A representative number of %RSDs were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

2.3.2 Continuing Calibration

Calibration verification (VER) consisted of a mid-level standard (CS3) analyzed at the beginning of each analytical sequence. The VERs were acceptable with the concentrations within the acceptance criteria listed in Table 6 of EPA Method 1613. The ion abundance ratios and relative retention times were within the method QC limits. A representative number of %Ds were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

WDM and isomer specificity compounds were added to the VER standard instead of being analyzed separately, as noted in section 2.2.1 of this report. No adverse effect was observed with this practice.

2.4 BLANKS

One method blank (0-7632-MB001) was extracted and analyzed with the sample in this SDG. No compounds were reported in the method blank associated with the site sample. A review of the method blank raw data and chromatograms indicated no false negatives or false positives. No qualifications were required.

2.5 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

One blank spike (0-7632-OPR001) was extracted and analyzed with the sample in this SDG. All recoveries were within the acceptance criteria listed in Table 6 of Method 1613. A review of the raw data and chromatograms indicated no transcription or calculation errors. No qualifications were required.

2.6 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MS/MSD analyses were not performed in this SDG. Evaluation of method accuracy was based on the OPR results. No qualifications were required.

2.7 FIELD QC SAMPLES

Following are findings associated with field QC:

2.7.1 Field Blanks and Equipment Rinsates

The sample in this SDG had no field blank or equipment rinsate identified. No qualifications of the site samples were required.

2.7.2 Field Duplicates

No field duplicates were identified in association with the sample in this SDG. No qualification was required.

2.8 INTERNAL STANDARDS

The labeled standard recoveries were within the acceptance criteria listed in Table 7 of Method 1613. No qualifications were required.

2.9 COMPOUND IDENTIFICATION

The laboratory analyzed for polychlorinated dioxins/furans by EPA Method 1613. The compound identifications were verified from the raw data and no false negatives or positives were noted. No qualifications were required.

2.10 COMPOUND QUANTIFICATION AND REPORTED DETECTION LIMITS

Compound quantitation was verified from the raw data. The laboratory calculated and reported compound-specific detection limits. Any detects below the laboratory lower calibration level were qualified as estimated, "J," by the laboratory. These "J" values were annotated with the qualification code of "DNQ" to comply with the reporting requirements of the NPDES permit. No qualifications were required.

Sample ID:	IPA0008-01		EPA Method 1613

Client Data		Sample Data		Laboratory Data			
Name:	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	27132-001	Date Received:	4-Jan-06
Project:	IPA0008	Sample Size:	0.901 L	QC Batch No.:	7632	Date Extracted:	8-Jan-06
Date Collected:	1-Jan-06			Date Analyzed DB-5:	12-Jan-06	Date Analyzed DB-225:	NA
Time Collected:	1155						

Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.00000109		
1,2,3,7,8-PeCDD	ND	0.00000130		
1,2,3,4,7,8-HxCDD	ND	0.00000226		
1,2,3,6,7,8-HxCDD	ND	0.00000222		
1,2,3,7,8,9-HxCDD	ND	0.00000219		
1,2,3,4,6,7,8-HpCDD	0.00000797			J
OCDD	0.0000679			
2,3,7,8-TCDF	ND	0.000000926		
1,2,3,7,8-PeCDF	ND	0.00000128		
2,3,4,7,8-PeCDF	ND	0.00000115		
1,2,3,4,7,8-HxCDF	ND	0.00000174		
1,2,3,6,7,8-HxCDF	ND	0.00000172		
2,3,4,6,7,8-HxCDF	ND	0.00000176		
1,2,3,7,8,9-HxCDF	ND	0.00000247		
1,2,3,4,6,7,8-HpCDF	ND	0.00000297		
1,2,3,4,7,8,9-HpCDF	ND	0.00000272		
OCDF	0.0000182			J

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	72.5	25 - 164	
	13C-1,2,3,7,8-PeCDD	72.7	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	74.4	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	69.9	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	68.5	23 - 140	
	13C-OCDD	35.8	17 - 157	
	13C-2,3,7,8-TCDF	73.6	24 - 169	
	13C-1,2,3,7,8-PeCDF	74.4	24 - 185	
	13C-2,3,4,7,8-PeCDF	75.6	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	71.0	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	70.8	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	73.3	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	73.8	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	58.5	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	69.9	26 - 138	
	13C-OCDF	44.6	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	86.6	35 - 197	

Totals		
Total TCDD	ND	0.00000109
Total PeCDD	ND	0.00000130
Total HxCDD	ND	0.00000223
Total HpCDD	0.0000160	
Total TCDF	ND	0.000000923
Total PeCDF	ND	0.00000121
Total HxCDF	ND	0.00000190
Total HpCDF	0.00000452	

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: WJL

Approved By: Martha M. Maier 16-Jan-2006 11:18

LEVEL IV

CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

MEC[X]
12269 East Vassar Drive
Aurora, CO 80014

Package ID B4DF26
Task Order 1261.001D.01
SDG No. IPA1192
No. of Analyses 1

Laboratory Alta
Reviewer K. Shadowlight
Analysis/Method Dioxin/Furan by Method 1613

Date: February 25, 2006
Reviewer's Signature
K Shadowlight

ACTION ITEMS[a]	
1. Case Narrative Deficiencies	
2. Out of Scope Analyses	
3. Analyses Not Conducted	
4. Missing Hardcopy Deliverables	
5. Incorrect Hardcopy Deliverables	
6. Deviations from Analysis Protocol, e.g.,	Method blank contamination
Holding Times	Detects below the laboratory lower calibration level were qualified as estimated.
GC/MS Tune/Inst. Performance	
Calibration	
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification	
Quantitation	
System Performance	
COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

DATA VALIDATION REPORT

NPDES Monitoring Program
Routine Outfall 004

ANALYSIS: DIOXINS/FURANS

SAMPLE DELIVERY GROUP: IPA1192

Prepared by

MEC^X, LLC
12269 East Vassar Drive
Aurora, CO 80014

1. INTRODUCTION

Task Order Title:	NPDES
Contract Task Order:	1261.001.01
Sample Delivery Group:	IPA1192
Project Manager:	P. Costa
Matrix:	Water
Analysis:	Dioxins/Furans
QC Level:	Level IV
No. of Samples:	1
No. of Reanalyses/Dilutions:	0
Reviewer:	K. Shadowlight
Date of Review:	February 25, 2006

The samples listed in Table 1 were validated based on the guidelines outlined in the *MEC*^{X} *Data Validation Procedure for Dioxins and Furans (DVP-19, Rev. 0), USEPA Method 1613*, and the *National Functional Guidelines for Chlorinated Dioxin/Furan Data Review* (8/02). Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample Identification

Client ID	Laboratory ID (Del Mar)	Laboratory ID (Alta)	Matrix	COC Method
Outfall 004	IPA1192-01	27209-001	Water	1613

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The sample in this SDG was received at Del Mar Analytical within the temperature limits of 4°C ±2°C. The sample was shipped to Alta for dioxin/furan analysis and was received below the temperature limits at 1°C. As the sample was not noted to be damaged or frozen, no qualifications were required. According to the case narrative and laboratory login sheet, the sample was received intact and in good condition at both laboratories. No qualifications were required.

2.1.2 Chain of Custody

The COC and transfer COC were legible and signed by the appropriate field and laboratory personnel, and accounted for the analysis presented in this SDG. As the samples were couriered directly to Del Mar Analytical-Irvine, custody seals were not required. Custody seals were present on the coolers from Del Mar to Alta; however no sample custody seals were present. The Client ID was added to the sample result summary by the reviewer. No qualifications were required.

2.1.3 Holding Times

The samples were extracted and analyzed within one year of collection. No qualifications were required.

2.2 INSTRUMENT PERFORMANCE

Following are findings associated with instrument performance:

2.2.1 GC Column Performance

A Windows Defining Mix (WDM) containing the first and last eluting congeners of each descriptor and isomer specificity compounds was not analyzed prior to the initial calibration sequence or at the beginning of each analytical sequence; however, the first and last eluting congeners and isomer specificity compounds were added to the midpoint of the initial calibration and to the continuing calibration standards (see section 2.3.2). The GC column performance in the calibrations was acceptable, with the height of the valley between the closely eluting isomers and 2,3,7,8-TCDD reported as less than 25%. No qualifications were required.

2.2.2 Mass Spectrometer Performance

The mass spectrometer performance was acceptable with the static resolving power greater than 10,000. No qualifications were required.

2.3 CALIBRATION

2.3.1 Initial Calibration

The initial calibration was analyzed 01/12/2006 on instrument VG-7. The calibration consisted of six concentration level standards (CS0 through CS5) analyzed to verify instrument linearity. The initial calibrations were acceptable with %RSDs ≤20% for the 16 native compounds (calibration by isotope dilution) and ≤35% for the one native and all labeled compounds (calibration by internal standard). The relative retention times and ion abundance ratios were within the QC limits listed in Method 1613 for all standards. A representative number of %RSDs were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

2.3.2 Continuing Calibration

Calibration verification (VER) consisted of a mid-level standard (CS3) analyzed at the beginning of each analytical sequence. The VERs were acceptable with the concentrations within the acceptance criteria listed in Table 6 of EPA Method 1613. The ion abundance ratios and relative retention times were within the method QC limits. A representative number of %Ds were verified from the raw data, and no calculation or transcription errors were noted. No qualifications were required.

WDM and isomer specificity compounds were added to the VER standard instead of being analyzed separately, as noted in section 2.2.1 of this report. No adverse effect was observed with this practice.

2.4 BLANKS

One method blank (0-7686-MB001) was extracted and analyzed with the sample in this SDG. Target compounds 1,2,3,4,6,7,8-HpCDD and OCDD were reported at concentrations below the laboratory lower calibration level in the method blank. Target compounds 1,2,3,4,6,7,8-HpCDD and OCDD were also reported in the site sample; therefore, the detect for HpCDD was qualified as an estimated nondetect, "UJ," at the level of contamination in the site sample. The concentration of OCDD reported in the sample was greater than five times the concentration reported in the method blank and required no qualification. As a portion of total HpCDD was qualified for method blank contamination the result for total HpCDD was qualified as estimated, "J," in the site sample. A review of the method blank raw data and chromatograms indicated no false negatives or false positives. No further qualifications were required.

2.5 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

One blank spike (0-7686-OPR001) was extracted and analyzed with the sample in this SDG. All recoveries were within the acceptance criteria listed in Table 6 of Method 1613. A review of the raw data and chromatograms indicated no transcription or calculation errors. No qualifications were required.

2.6 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MS/MSD analyses were not performed in this SDG. Evaluation of method accuracy was based on the OPR results. No qualifications were required.

2.7 FIELD QC SAMPLES

Following are findings associated with field QC:

2.7.1 Field Blanks and Equipment Rinsates

The sample in this SDG had no field blank or equipment rinsate identified. No qualifications of the site samples were required.

2.7.2 Field Duplicates

No field duplicates were identified in association with the sample in this SDG.

2.8 INTERNAL STANDARDS

The labeled standard recoveries were within the acceptance criteria listed in Table 7 of Method 1613. No qualifications were required.

2.9 COMPOUND IDENTIFICATION

The laboratory analyzed for polychlorinated dioxins/furans by EPA Method 1613. The compound identifications were verified from the raw data and no false negatives or positives were noted. No qualifications were required.

2.10 COMPOUND QUANTIFICATION AND REPORTED DETECTION LIMITS

Compound quantitation was verified from the raw data. The laboratory calculated and reported compound-specific detection limits. Any detects below the laboratory lower calibration level were qualified as estimated, "J," by the laboratory. These "J" values were annotated with the qualification code of "DNQ" to comply with the reporting requirements of the NPDES permit. No further qualifications were required.

Sample ID: IPA1192-01 Outfall 004 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Del Mar Analytical, Irvine	Matrix:	Aqueous	Lab Sample:	27209-001	Date Received:	17-Jan-06
Project:	IPA1192	Sample Size:	1.01 L	QC Batch No.:	7686	Date Extracted:	22-Jan-06
Date Collected:	14-Jan-06			Date Analyzed DB-5:	24-Jan-06	Date Analyzed DB-225:	NA
Time Collected:	1225						

Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.00000109		
1,2,3,7,8-PeCDD	ND	0.00000168		
1,2,3,4,7,8-HxCDD	ND	0.00000310		
1,2,3,6,7,8-HxCDD	ND	0.00000306		
1,2,3,7,8,9-HxCDD	ND	0.00000298		
1,2,3,4,6,7,8-HpCDD	0.0000257			B
OCDD	0.000317			B
2,3,7,8-TCDF	ND	0.00000127		
1,2,3,7,8-PeCDF	ND	0.00000138		
2,3,4,7,8-PeCDF	ND	0.00000131		
1,2,3,4,7,8-HxCDF	ND	0.00000107		
1,2,3,6,7,8-HxCDF	ND	0.000000828		
2,3,4,6,7,8-HxCDF	ND	0.00000118		
1,2,3,7,8,9-HxCDF	ND	0.00000156		
1,2,3,4,6,7,8-HpCDF	0.00000341			J
1,2,3,4,7,8,9-HpCDF	ND	0.00000175		
OCDF	0.0000103			J

Labeled Standard		%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	71.6	25 - 164	
	13C-1,2,3,7,8-PeCDD	69.2	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	66.3	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	68.9	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	68.2	23 - 140	
	13C-OCDD	39.2	17 - 157	
	13C-2,3,7,8-TCDF	67.5	24 - 169	
	13C-1,2,3,7,8-PeCDF	76.2	24 - 185	
	13C-2,3,4,7,8-PeCDF	73.9	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	66.2	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	65.1	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	65.5	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	68.2	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	62.2	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	69.0	26 - 138	
	13C-OCDF	46.5	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	91.0	35 - 197	

Totals				
Total TCDD	ND	0.00000109		
Total PeCDD	ND	0.00000168		
Total HxCDD	0.00000545			
Total HpCDD	0.0000505			B
Total TCDF	ND	0.00000127		
Total PeCDF	ND	0.00000134		
Total HxCDF	0.00000202			
Total HpCDF	0.00000341		0.0000115	

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: DMS

Approved By: Martha M. Maier 26-Jan-2006 08:17

CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
550 South Wadsworth Boulevard
Suite 500
Lakewood, CO 80226

Package ID T711WC91
Task Order 313150010
SDG No. IOB1556
No. of Analyses 1

Laboratory Del Mar Analytical
Reviewer L. Jarusewic
Analysis/Method General Minerals

Date: 03/28/05
Reviewer's Signature

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	
6. **Deviations from Analysis Protocol, e.g.,**	The reviewer changed the cyanide MDL on the Form I due to reported negative MB results.
Holding Times	
GC/MS Tune/Inst. Performance	
Calibrations	
Blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification and Quantitation	
System Performance	
COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.

[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

Data Qualifier Reference Table

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or may not be present).

Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D were noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) or calibration blank.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination from trip blank.	Not applicable.
+	False positive – reported compound was not present. Not applicable.	
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination from FB, or ER.	Presumed contamination from FB or ER.
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
DNQ	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.	The compound was detected between the MDL and the RL and, by definition, is considered an estimated value.

*#	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).	Unusual problems found with the data that have been described in Section 2.#, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found (eg. *1 would indicate a sample was not within temperature limits).

DATA VALIDATION REPORT

NPDES Monitoring

ANALYSIS: GENERAL MINERALS

SAMPLE DELIVERY GROUP: IOB1556

Prepared by

AMEC—Denver Operations
550 South Wadsworth Boulevard, Suite 500
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	NPDES Monitoring
Contract Task Order #:	313150010
Sample Delivery Group #:	IOB1556
Project Manager:	B. McIlvaine
Matrix:	Water
Analysis:	General Minerals
QC Level:	Level IV
No. of Samples:	1
Reviewer:	L. Jarusewic
Date of Review:	March 28, 2005

The sample listed in Table 1 was validated based on the guidelines outlined in the AMEC *Data Validation Procedures* SOP DVP-6, Rev. 2, *USEPA Methods for Chemical Analysis of Water and Wastes Method 335.2 and 160.1,* and validation guidelines outlined in the USEPA *Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (2/94).* Any deviations from these procedures and guidelines are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample identification

Client ID	EPA ID	Laboratory ID	Matrix	COC Method
Outfall 004	Outfall 004	IOB1556-01	Water	General Minerals

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

Following are findings associated with sample management:

2.1.1 Sample Preservation, Handling, and Transport

The sample in this SDG was received at the laboratory within the temperature limits of 4°C ± 2°C. No preservation problems were noted by the laboratory. No qualifications were required.

2.1.2 Chain of Custody

The COC was signed and dated by field and laboratory personnel. The COC accounted for the analyses and sample presented in this SDG. No information was provided on whether the samples were received intact. No qualifications were required.

2.1.3 Holding Times

The holding times were assessed by comparing the dates of collection with the dates of analyses. The 14-day analytical holding time for cyanide and the seven-day holding time for total suspended solids were met. No qualifications were required.

2.2 CALIBRATION

For the cyanide analysis, the initial calibration correlation coefficient was ≥ 0.995. The initial and continuing calibration verification information was acceptable with %Rs within the control limits of 90-110%. The total cyanide reporting limit check standard was recovered within the control limits of 70-130%. Calibration is not applicable to total suspended solids. No qualifications were required.

2.3 BLANKS

The total suspended solids method blank result reported on the summary form and in the raw data for blank analysis associated with the sample was a nondetect at the reporting limit. The total cyanide method blank (5B22061-BLK1) was reported at -0.0039 mg/L; therefore, nondetected cyanide in Outfall 004 was qualified as estimated, "UJ." No further qualifications were required.

2.4 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

The laboratory control sample recoveries were within the laboratory-established control limits. No qualifications were required.

2.5 SURROGATES RECOVERY

Surrogate recovery is not applicable to the analyses presented in this SDG.

2.6 LABORATORY DUPLICATES

No MS/MSD analyses were performed in association with the sample in this SDG; therefore, no assessment was made with respect to this criterion.

2.7 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

No MS/MSD analyses were performed in association with the sample in this SDG; therefore, no assessment was made with respect to this criterion.

2.8 FURNACE ATOMIC ABSORPTION QC

Furnace atomic absorption was not utilized for the analyses of this sample; therefore, furnace atomic absorption QC is not applicable.

2.9 ICP SERIAL DILUTION

ICP serial dilution is not applicable to the analyses presented in this data validation report.

2.10 SAMPLE RESULT VERIFICATION

A Level IV review was performed for the sample in this data package. Calculations were verified, and the sample results reported on the Form I was verified against the raw data. Cyanide in Outfall 004 was reported in the raw data at -0.0033 mg/L and the method blank associated with Outfall 004 was reported at -0.0039 mg/L. Due to these negative results, the reviewer raised the MDL on the Form I to the level of interference. No transcription errors or calculation errors were noted. No qualifications were required.

2.11 FIELD QC SAMPLES

Field QC samples are evaluated, and if necessary, qualified based only on laboratory blanks. Any remaining detects are used to evaluate the associated samples. The following are findings associated with field QC samples:

2.11.1 Field Blanks and Equipment Rinsates

The sample in this SDG had no associated field QC samples. No qualifications were required.

2.11.2 Field Duplicates

There were no field duplicate pairs associated with this SDG.

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MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Annual Outfall 004
Report Number: IOB1556

Sampled: 02/18/05
Received: 02/18/05

DRAFT: INORGANICS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers REV QUAL	Data Qualifiers CODE
Sample ID: IOB1556-01 (DRAFT: Outfall 004 - Water) - cont.										
Reporting Units: mg/l										
Total Cyanide	EPA 335.2	5B22061	~~0.0022~~ 0.0039	0.0050	ND	1	02/22/05	02/22/05	UJ	B
Total Suspended Solids	EPA 160.2	5B23109	10	10	ND	1	02/23/05	02/23/05	U	

LJ 3/28/05

AMEC VALIDATED

LEVEL IV

DRAFT REPORT
DRAFT REPORT
DATA SUBJECT TO CHANGE

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