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FINAL RCRA FACILITY INVESTIGATION FOR SOLID WASTE MANAGEMENT UNITS 5, 6, 12, 31 AND 61 VOLUME 2 OF 2 NAS FORT WORTH TX
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NAVAL AIR STATION
FORT WORTH JRB
CARSWELL FIELD
TEXAS

ADMINISTRATIVE RECORD
COVER SHEET

AR File Number 733

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FINAL

RCRA Facility Investigation Report

SWMUs 5, 6, 12, 31, and 61

Naval Air Station Fort Worth Joint Reserve Base, TX

VOLUME 2 of 2 (Appendices)

Prepared for
Air Force Center for Environmental Excellence
Brooks Air Force Base, TX

Contract No. F41624-00-D-8032

June 2002

APPENDIX A

Letter to TNRCC Dated April 20, 1999

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE
BROOKS AIR FORCE BASE TEXAS

FEDERAL EXPRESS

April 20, 1999

Mr. Ray Risner
Corrective Action Section
Texas Natural Resource Conservation Commission
12100 Park 35 Circle, Bldg. D
Austin, TX 78753

Re: **RCRA Facility Investigation of Waste Accumulation Areas**
NAS Fort Worth JRB, Texas
Permit HW-50289

Dear Mr. Risner:

This letter has been prepared in response to our conference call on Wednesday, March 24, 1999, during which we discussed the Final Work Plans (WPs) for the waste accumulation areas (WAAs) at Naval Air Station Fort Worth Joint Reserve Base (NAS Fort Worth JRB), Texas. These WPs describe the Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) to be conducted at several solid waste management units (SWMUs) and areas of concern (AOCs) that require further investigation. During our conference call, we addressed possible ways to reduce the projected cost associated with the large number of Appendix IX sample analyses proposed in the Final WPs. This reduction is necessary due to recent rebidding of analytical costs by AFCEE's contractor and a subsequent increase of an Appendix IX analysis by 50 percent. You indicated in the conference call that the TNRCC would accept a shorter list of analyses for each site, as long at the Air Force provided adequate certification of the wastes handled at each WAA. You also indicated that the TNRCC would not require groundwater sampling at sites where a release to soil was not confirmed. This letter provides the necessary historical information regarding each WAA and subsequent list of recommended analyses for each WAA.

Provision VIII.A.2.b of Permit HW-50289 requires that soil and groundwater samples submitted for chemical analysis be analyzed in accordance with EPA SW-846 for all Appendix IX constituents, unless a shorter list can be justified. In order to provide adequate justification of a reduced list of analyses for the RFI, the Air Force has provided the attached Table 1 that summarizes the types and quantities of waste handled at each site. Table 1 also includes the analyses necessary to adequately determine if there was a release of hazardous materials at each site, based on the wastes handled at each site. The information provided in Table 1 was compiled from a number of sources that

document both current and historical waste management practices, and the types of waste generated by the various industrial operations at NAS Fort Worth JRB. Additional waste sources were added to selected sites where there was potential for waste to be stored from industrial buildings located nearby. Background information was gathered from the following sources:

- A.T. Kearney 1989, RCRA Facility Assessment, PR/VSI Report, Carswell Air Force Base, Fort Worth, Texas
- CH2M HILL, 1984, Installation Restoration Program Records Search for Carswell Air Force Base, Texas
- CH2M HILL, 1996, Site Characterization Summary Informal Technical Information Report, NAS Fort Worth JRB, Carswell Field, Texas
- The Earth Technology Corporation, 1993, Basewide Environmental Baseline Survey, Carswell Air Force Base, Texas
- U.S. Air Force Occupational and Environmental Health Laboratory, Human Services Division, 1989, Hazardous Waste Technical Assistance Survey, Carswell AFB, Texas

The following documents regarding wastes currently stored at WAAs were provided by TNRCC:

- Texas Natural Resource Conservation Commission, 1995, Notice of Registration, Industrial and Hazardous Waste, Solid Waste Registration Number: 65004, EPA Id: TX0571924042
- Texas Natural Resource Conservation Commission, 1999, Notice of Registration, Industrial and Hazardous Waste, Solid Waste Registration Number: 65004, EPA Id. TX0571924042

Upon review of these documents, it was determined that the neither the satellite accumulation areas nor the permitted facility/DRMO identified in these listings correspond to the WAAs under investigation.

The types and quantities of wastes potentially stored at each SWMU/AOC, have been included in Table 1 to provide justification of a shorter list of analyses proposed for the following sites·

- SWMU 5 (Waste Accumulation Area (WAA) 1627/Building 1628)
- SWMU 6 (Building 1628 Washrack and Drain)
- SWMU 11 (WAA 1618/Buildings 1617 and 1619)
- SWMU 12 (WAA 1602/Building 1602)
- SWMU 16 (WAA 1059/Building 1060)
- SWMU 31 (WAA 1050/Building 1050)
- SWMU 32 (WAA 1415/Building 1410)
- SWMU 33 (WAA 1436/Building 1420)
- SWMU 34 (WAA 1194/Building 1194)
- SWMU 36 (WAA 1191/Building 1191)
- SWMU 39 (WAA 1641/Building 1643)
- SWMU 42 (WAA 1413/Building 1414)
- SWMU 51 (WAA 1187 and 1189/Building 1190)

- SWMU 61 (WAA 1319/Building 1320)
- AOC 6 (RV Parking Area)
- AOC 15 (Building 1190 Storage Shed)

Table 1 provides a summary of the materials handled or potentially handled at each of the subject sites along with proposed analyses for each site. Based on your concurrence with this information, the Air Force will prepare Revised Final WPs separating the investigation into a two-phased approach. Soil sampling will be conducted in the first phase and groundwater sampling will be conducted in the second phase only at sites where soil contamination is identified. The revised plans will reduce the Appendix IX list of analyses previously proposed in the Final WPs to the analyses proposed in Table 1. The proposed sampling locations and depth intervals will remain the same Groundwater samples will be analyzed for constituents that show evidence of a release to the environment based on the results of soil investigations at the subject sites. The field effort for this RFI is scheduled to begin in early May. Your prompt response to these proposed changes would be greatly appreciated

Please call me with any questions or comments at 210/536-5290

Sincerely,

Joseph R. Dunkle
Remedial Program Manager
NAS Fort Worth JRB

Attachment (Table 1)
cc. Mr. Mike Dodyk
HQ AFCEE/ERD
6560 White Settlement Road
Fort Worth, TX 76114

Mr. Todd Harrah
Unitec, Inc.
3202 2nd Street, Building 538
Brooks AFB, TX 78235

TAB

APPENDIX A

Table 1
Current SWMU Summary Table
NAS Fort Worth JRB, Texas

SWMU/ AOC	Waste Source:	Operational Period	Materials Received	Analyses
SWMU 5	Building 1628 - Corrosion Control Shop AGE Maintenance Shop	Approx. 1982 - Present	PD-680 (Type II) (petroleum naptha solvent)(660 gal/yr) -drummed JP-4 (2,500 gal/yr) - drummed Synthetic oil (150 gal/yr) - drummed 7808 engine oil (1,000 gal/yr) - 500-gallon bowser Hydraulic, transmission, and brake fluids (120 gal/yr) - bowser Antifreeze (60 gal/yr) - drummed Paints and thinners (toluol, MEK, isopropanol, naptha, xylene) (120 gal/yr) - drummed Paint stripper (methylene chloride, toluene)(110 gal/yr) - drummed Spent lead acid batteries (unspecified amount) - pallet Battery acid (unspecified amount) - DRMO Mean Green Soap (aircraft soap) (660 gal/yr) - OWS MEK (12 gal/yr) - used in process	TPH (TX1005) Soil pH (SW9045) Ethylene Glycol (SW8015) Appendix IX. VOCs (SW8260B) SVOCs (SW8270C) Metals/Mercury(SW6010/7000)
SWMU 6	Building 1628 - Washrack and Drain	1979 - Approx. 1990	Mean Green Soap (aircraft soap) (660 gal/yr) - OWS PD-680 (Type II) (petroleum naptha solvent)(300 gal/yr) - OWS Wastewater containing fractions of: JP-4, waste paints and thinners, hydraulic fluids, engine oil (unspecified amount) - OWS May have received surface runoff from SWMU 5: PD-680 (petroleum naptha solvent)(Type II) (660 gal/yr) - drummed JP-4 (2,500 gal/yr) - drummed Synthetic oil (150 gal/yr) - drummed 7808 engine oil (1,000 gal/yr) - 500 gallon bowser Hydraulic, transmission, and brake fluids (120 gal/yr) - bowser Antifreeze (60 gal/yr) - drummed Paints and thinners (toluol, MEK, isopropanol, naptha, xylene)(120 gal/yr) - drummed Paint stripper (methylene chloride, toluene)(110 gal/yr) - drummed Spent lead acid batteries (unspecified) - pallet Battery acid (unspecified amt.) - DRMO Mean Green Soap (aircraft soap) (660 gal/yr) - OWS MEK (12 gal/yr) - used in process	TPH (TX1005) Soil pH (SW9045) Ethylene Glycol (SW8015) Appendix IX: VOCs (SW8260B) SVOCs (SW8270C) Metals/Mercury(SW6010/7000)

Table 1 (continued)
Current SWMU Summary Table
NAS Fort Worth JRB, Texas

SWMU/ AOC	Waste Source:	Operational Period	Materials Received	Analyses
SWMU 11	Building 1617 and 1619 Paint Shop Electronics Shop	Approx. 1982 - Present	Waste paints Polyurethane (120 gal/yr) - drummed Enamel (60 gal/yr) - drummed Thinners (toluol, MEK, isopropanol, naptha, xylene)(120 gal/yr) - drummed Sodium persulfate solution (96 gal/yr) - drummed Spent etchant, lacquer thinner/ink residue (unspecified amount) - (unspecified container)	Soil pH (SW9045) Appendix IX, VOCs (SW8260B) SVOCs (SW8270C) Metals/Mercury(SW6010/7000)
SWMU 12	Building 1602 - Propulsion Shop	Approx. 1982 - 1990	Waste JP-4 (84 gal/yr) - drummed 7808 engine oil (84 gal/yr) - drummed PD-680 (Type II)(petroleum naptha solvent) (60 gal/yr) - drummed	TPH (TX1005) Appendix IX· VOCs (SW8260B) SVOCs (SW8270C) Metals/Mercury(SW6010/7000)
SWMU 16	Building 1060 - Corrosion Control Shop Building 1050 - Pneudraulics Shop	Approx. 1982 - 1990	Surface stripper (36 gal/yr) - drummed Hot tank stripper (640 gal/yr) - drummed Paint remover (methylene chloride, toluene)(36 gal/yr) - drummed Hydrofluoric acid (1.5 gal/yr) - neutralized, down drain Alodine (acid) (120 gal/yr) - neutralized, down drain Aircraft soap (120 gal/yr) - drummed MEK (240 gal/yr) - drummed Waste polyurethane paint (600 gal/yr) - drummed Rags contaminated with polyurethane paint - drummed Spent bead blasting media (unspecified amount) - drummed Hydraulic fluid (120 gal/yr) - drummed PD-680 (Type II)(petroleum naptha solvent)(1200 gal/yr) - drummed	Soil pH (SW9045) Appendix IX· VOCs (SW8260B) SVOCs (SW8270C) Metals/Mercury(SW6010/7000)

Table 1 (continued)
Current SWMU Summary Table
NAS Fort Worth JRB, Texas

SWMU/ AOC	Waste Source:	Operational Period	Materials Received	Analyses
SWMU 31	Building 1050 - Pneudraulics Shop Building 1055 - Fire Control Shop	1955-1990	Waste hydraulic fluid and oil (120 gal/yr) - drummed PD-680 (Type II) (petroleum naptha solvent)(150 gal/yr) - drummed MEK (unspecified amount) - unspecified container TCE (unspecified amount) - unspecified container Perchloroethylene (unspecified amount) - unspecified container SE-377C (solvent) contaminated with cadmium (unspecified amount) - unspecified container Citri-Kleen (solvent) (unspecified amount) - unspecified container Silicone damping fluid contaminated with Freon 113 (unspecified amount) - unspecified container	TPH (TX1005) Appendix IX: VOCs/Freon 113 (SW8260B) SVOCs (SW8270C) Metals/Mercury(SW6010/7000)
SWMU 32	Building 1410 - Battery Shop Engine Shop Bearing Shop Wheel and Tire Shop	Early 1940s - Present	7808 engine oil (550 gal/yr) - drummed PD-680 (Type II) (petroleum naptha solvent)(300 gal/yr) - drummed JP-4 (125 gal/yr) - fire training area Multi-sheen (stripper) (60 gal/yr) - down drain Hydraulic fluid (24 gal/yr) - bowser Calibrating fluid (unspecified amount) - 500-gallon bowser Carbon remover (cresylic acid) (unspecified amount - drummed Fingerprint remover (degreaser) (unspecified amount) - drummed Battery electrolyte (500 gal/yr) - neutralized, sanitary sewer TCE (unspecified amount) - unspecified container Possible spent batteries (unspecified amount) - unspecified container SE-377E (solvent) (unspecified amount) - unspecified container	TPH (TX1005) Soil pH (SW9045) Phenols (SW8041) Appendix IX: VOCs (SW8260B) SVOCs (SW8270C) Metals/Mercury(SW6010/7000)
SWMU 33	Building 1420 - MMS Equipment Maintenance Shop Possibly received waste from Buildings 1403, 1405, and 1434 Corrosion Control Shops	Approx. 1982 - Present	PD-680 (Type II)(petroleum naptha solvent) (240 gal/yr) - drummed Brake and hydraulic fluids (240 gal/yr) - drummed MEK (0.5 gal/yr) - used in process Soap (120 gal/yr) - down drain Possibly received waste from Building 1434 Thinner (toluol, MEK, isopropanol, naptha, xylene)(15 gal/yr) - drummed Waste paints and solvents (1500 gal/yr) - unspecified container Strippers (methylene chloride, toluene) (unspecified amount) - unspecified container	TPH (TX1005) Appendix IX. VOCs (SW8260B) SVOCs (SW8270C) Metals/Mercury(SW6010/7000)

Table 1 (continued)
Current SWMU Summary Table
NAS Fort Worth JRB, Texas

SWMU/ AOC	Waste Source:	Operational Period	Materials Received	Analyses
SWMU 34	Building 1194 - Vehicle Refueling Shop	Unknown startup date-1990	Waste engine oils (240 gal/yr) - 300-gallon bowser Transmission fluid (24 gal/yr) - drummed Antifreeze (70 gal/yr) - drummed PD-680 (Type II) (petroleum naptha solvent) (100 gal/yr) - drummed Aircraft cleaning soap (120 gal/yr) - OWS JP-4 (5000 gal/yr) - fire training pit Safety-Kleen (solvent) (300 gal/yr) - tank serviced by contractor	TPH (TX1005) Ethylene Glycol (SW8015) Appendix IX: VOCs (SW8260B) SVOCs (SW8270C) Metals/Mercury(SW6010/7000)
SWMU 36	Building 1191 - Vehicle Maintenance Shop Allied Trades Shop Building 1425 - Fire Truck Maintenance Shop Building 1065 - Vehicle Maintenance Shop	Approx. 1982 - Present	7808 engine oil (1800 gal/yr) - unspecified container Battery acid (300 gal/yr) - DRMO Leaded and unleaded waste oil (1800 gal/yr) - drummed Waste automotive fuel (240 gal/yr) - drummed Antifreeze (600 gal/yr) - drummed Waste paints and thinners (toluol, MEK, isopropanol, naptha, xylene) (120 gal/yr) - unspecified container Waste oils and transmission fluids (3000 gal/yr) - drummed PD-680 (Type II) (petroleum naptha solvent) (150 gal/yr) - drummed Mogas (75 gal/yr) - drummed Hydraulic fluids (384 gal/yr) - drummed Safety-Kleen (solvent) (500 gal/yr) - tank serviced by contractor	TPH (TX1005) Soil pH (SW9045) Ethylene Glycol (SW8015) Appendix IX VOCs (SW8260B) SVOCs (SW8270C) Metals/Mercury(SW6010/7000)
SWMU 39	Building 1643 - Phase Dock Pheudraulics Shop Wheel and Tire Shop (all aircraft maintenance)	Approx. 1982 - 1990	PD-680 (Type II) (petroleum naptha solvent) (1420 gal/yr) - bowser, drummed JP-4 (600 gal/yr) - drummed Waste oil (12 gal/yr) - 200-gallon waste oil trailer Hydraulic fluid (192 gal/yr) - drummed, bowser Stripper (methylene chloride, toluene) (100 gal/yr) - drummed Mean Green Soap (12 gal/yr) - OWS Carbon remover (cresylic acid) (8 gal/yr) - OWS, used in process	TPH (TX1005) Appendix IX: VOCs (SW8260B) SVOCs (SW8270C) Metals/Mercury(SW6010/7000)

Table 1 (continued)
Current SWMU Summary Table
NAS Fort Worth JRB, Texas

SWMU/ AOC	Waste Source:	Operational Period	Materials Received	Analyses
SWMU 42	Building 1414 - AGE Shop NDI Shop Possibly received waste from Building 1434 - Corrosion Control	Approx. 1982 - 1990	Waste PD-680 (Type II) (petroleum naptha solvent) (960 gal/yr) - drummed JP-4 (1500 gal/yr) - drummed Mogas (600 gal/yr) - drummed Diesel (1980 gal/yr) - drummed Waste oils (3300 gal/yr) - 500-gallon bowser Synthetic oils (1800 gal/yr) - drummed Hydraulic fluids (660 gal/yr) - drummed Antifreeze (960 gal/yr) - drummed Aircraft soap (1800 gal/yr) - sanitary sewer CitiKleen (solvent) (660 gal/yr) - OWS Die penetrant (aeromatic naptha, ethoxylated octophenol, biphenyl octyl phosphate, fluorescent dye) (220 gal/yr) - drummed Emulsifier (petroleum sulfonate, paraffin oil, ethoxylated octyenal, butyl zyethyl phosphate) (220 gal/yr) - drummed Developer (sodium chromate) (100 gal/yr) - sanitary sewer Fixer (ammonium thiosulfate, sodium thiosulfate, N-methylpyrrolidine) (200 gal/yr) - silver recovery, sanitary sewer 1,1,1-trichloroethane (unspecified amount) - drummed Possibly received waste from Building 1434 Thinner (toluol, MEK, isopropanol, naptha, xylene)(15 gal/yr) - drummed Waste paints and solvents (1500 gal/yr) - unspecified container Strippers (methylene chloride, toluene) (unspecified amount) - unspecified container	TPH (TX1005) Ethylene Glycol (SW8015) Appendix IX: VOCs (SW8260B) SVOCs (SW8270C) Metals/Mercury(SW6010/7000)

Table 1 (continued)
Current SWMU Summary Table
NAS Fort Worth JRB, Texas

SWMU/ AOC	Waste Source:	Operational Period	Materials Received	Analyses
SWMU 51	WAA 1189 and 1187 Served as central waste holding area.	Approx 1982 - 1990	Received unspecified quantities of various wastes from throughout the base, stored in three separate areas throughout the SWMU. Cluster 1: empty drums which may have contained traces of solvents, fuels, oils used on base Cluster 2. wastewater from facility monitoring well - drummed Cluster 3: PD-680, xylene - drummed	Appendix IX: VOCs (SW8260B) SVOCs (SW8270C) Organochlorine Pesticides/PCBs (SW8081/8082) Organophosphorus Pesticides (SW8141) Chlorinated Herbicides (SW8151) Dioxins/Furans (SW8280) Cyanide (SW9010A/SW9012) Sulfide (SW9030) Trace Elements (Metals)(SW6010A/7000) Mercury (SW7470A/7471A)
SWMU 61	Building 1320 - Power Production Maintenance Facility	Approx. 1982 - 1990	Waste gasoline and diesel fuel (108 gal/yr) - drummed 7808 engine oil (156 gal/yr) - bowser PD-680 (Type II) (108 gal/yr) - drummed Antifreeze (156 gal/yr) - drummed Battery acid (360 gal/yr) - DRMO Hard material similar to roofing tar (unspecified amount) - bucket	TPH (TX1005) Soil pH (SW9045) Ethylene Glycol (SW8015) Appendix IX: VOCs (SW8260B) SVOCs (SW8270C) Metals/Mercury(SW6010/7000)
AOC 6	RV Parking Area	Unknown startup date-Present	The following wastes may have been stored or utilized during maintenance activities on vehicles stored within this area: Waste oils (unspecified amount) - unspecified container Waste fuels (unspecified amount) - unspecified container Antifreeze (unspecified amount) - unspecified container Paints/thinners (unspecified amount) - unspecified container Solvents/cleaners (unspecified amount) - unspecified container	TPH (TX1005) Ethylene Glycol (SW8015) Appendix IX. VOCs (SW8260B) SVOCs (SW8270C) Metals/Mercury(SW6010/7000)

Table 1 (continued)
Current SWMU Summary Table
NAS Fort Worth JRB, Texas

SWMU/ AOC	Waste Source:	Operational Period	Materials Received	Analyses
AOC 15	Building 1190 - storage shed Area may have received runoff from SWMU 51	Unknown startup date- 1990	PD-680 (unspecified quantity) - unspecified container Xylene (unspecified quantity) - unspecified container Possible runoff from SWMU 51 - central waste holding area	Appendix IX. VOCs (SW8260B) SVOCs (SW8270C) Organochlorine Pesticides/PCBs (SW8081/8082) Organophosphorus Pesticides (SW8141) Chlorinated Herbicides (SW8151) Dioxins/Furans (SW8280) Cyanide (SW9010A/SW9012) Sulfide (SW9030) Trace Elements (Metals)(SW6010A/7000) Mercury (SW7470A/7471A)

Sources:
A.T. Kearney 1989, RCRA Facility Assessment, PR/VSI Report, Carswell Air Force Base, Fort Worth, Texas
CH2M HILL, 1984, Installation Restoration Program Records Search for Carswell Air Force Base, Texas
Texas Natural Resource Conservation Commission, 1995, Notice of Registration, Industrial and Hazardous Waste, Solid Waste Registration Number: 65004, EPA Id: TX0571924042
Texas Natural Resource Conservation Commission, 1999, Notice of Registration, Industrial and Hazardous Waste, Solid Waste Registration Number: 65004, EPA Id: TX0571924042
The Earth Technology Corporation, 1993, Basewide Environmental Baseline Survey, Carswell Air Force Base, Texas
U S. Air Force Occupational and Environmental Health Laboratory, Human Services Division, 1989, Hazardous Waste Technical Assistance Survey, Carswell AFB, Texas

TAB

APPENDIX B

APPENDIX B

Data Quality Assessment

DATA QUALITY ASSESSMENT
RCRA FACILITY INVESTIGATION REPORT
SWMUS 5, 6, 12, 31, AND 61
NAS FORT WORTH JRB, TEXAS

1.0 FIELD QUALITY ASSURANCE/QUALITY CONTROL

Field quality control samples were collected as described in the following sections.

1.1 AMBIENT BLANKS

Ambient blanks consist of American Society for Testing and Materials (ASTM) Type II reagent grade water poured into a VOC sample vial at a sampling site (in the same vicinity as the associated samples). Ambient blanks are used to assess the potential introduction of contaminants from ambient sources (e.g., active runways, engine test cells, gasoline motors in operation) to the samples during sample collection. Ambient blanks are handled like environmental samples and transported to the laboratory for analysis. Depending on the analytes of interest at the associated site(s), ambient blanks are analyzed for VOCs, benzene, toluene, ethylbenzene, and xylenes (BTEX), and dissolved gases. No ambient blanks were collected in association with the RFI soil or groundwater investigation for SWMUs 5, 6, 12, 31, and 61.

1.2 EQUIPMENT BLANKS

An equipment blank is a sample of ASTM Type II reagent grade water poured over a sampling device, collected in a sample container, and transported to the laboratory for analysis. Equipment blanks are used to assess the effectiveness of equipment decontamination procedures. Equipment blanks are collected immediately after equipment has been decontaminated. Each blank is analyzed for all laboratory analyses requested for the environmental samples collected at the site. One equipment blank is collected per day for each type of sampling equipment used. The equipment blanks collected in association with SWMUs 5, 6, 12, 31, and 61 included four associated with the Phase I soil investigation, five associated with the Phase II soil investigation, two associated with the Phase III soil investigation, and eighteen associated with the groundwater sampling investigation.

1.3 TRIP BLANKS

A trip blank consists of a VOC sample vial filled at the laboratory with ASTM Type II reagent grade water, transported to the sampling site, handled like an environmental sample, and returned to the laboratory for analysis. Trip blanks are not opened in the field. Trip blanks are prepared only when samples are collected and analyzed for VOC (or BTEX) analytes. Trip blanks are used to assess the potential introduction of contaminants from sample containers or during the transportation and storage procedures. The trip blanks analyzed in association with SWMUs 5, 6, 12, 31, and 61 included four associated with the Phase I soil investigation, two associated with

the Phase II soil investigation, two associated with the Phase III soil investigation, and sixteen associated with the groundwater sampling investigation.

1.4 FIELD DUPLICATES

Duplicate sample results are used to assess precision of the sample collection process. Precision of soil samples to be analyzed for VOCs is assessed from collocated samples because the compositing process required to obtain uniform samples could result in loss of the compounds of interest.

Duplicate samples are collected simultaneously, or in immediate succession, using identical recovery techniques, and treated in an identical manner during storage, transportation, and analysis. The sample containers are assigned an identification number in the field so that they cannot be identified (blind duplicate) as duplicate samples by laboratory personnel performing the analysis. Specific locations were designated for collection of field duplicate samples prior to the beginning of sample collection. One duplicate sample was collected for every 10 field samples collected. The field duplicates collected in association with SWMUs 5, 6, 12, 31, and 61 included two associated with the Phase I soil investigation, five associated with the Phase II soil investigation, two associated with the Phase III soil investigation, and two associated with groundwater sampling.

1.5 SAMPLE TRACKING PROTOCOL

Each sample was assigned a unique identification number that describes where and what type of sample was collected. The number that was used in the field consisted of a maximum 15 digit alphanumeric code. The alphanumeric code was truncated to 12 digits once the data was ready to be entered into the Environmental Resources Program Information Management System (ERPIMS) database. This system is explained in detail as follows:

abbbcccccdd-ee

where:

- a — represents the medium (e.g., W=monitoring well, P = wipe sample, R = rinse sample, B = soil boring, U = surface water sample, or E = sediment sample).
- bbb — represents Ellis Environmental Group or HydroGeoLogic, Inc. designation (e.g. EEG or HGL)
- cccccc — represents the SWMU number (e.g., SWMU 5, SWMU 6, SWMU 31, etc.)
- dd — represents the location identification (LOCID) (e.g., 01, 02)
- ee — represents the order that the sample was obtained within the soil boring; i.e., a surface soil sample would be 01, a 5- to 7-foot sample would be 02, etc. These two digits will dropped once the data is entered into the ERPIMS database.

For example, the first soil sample collected from soil boring 01 located at SWMU 5 was identified as "BHGLSWMU05001-01." The second sample collected from soil boring 01 located at SWMU 5 was identified as "BHGLSWMU05001-02".

In order to ensure that field duplicates were analyzed "blind" by the laboratory, each field duplicate sample was assigned a unique sample identification number that did not associate the duplicate with its parent sample. For example, the soil sample collected from the 5-foot interval of BHGLSWMU05004 was identified as DUP01. The locations from which field duplicate samples were to be collected were determined prior to mobilization. Documentation was maintained in the field sampling log book, and on the sample collection log, to track these field duplicate samples.

QC samples were identified by use of a similar system of identifiers with a maximum of 10 characters. The QC sampling number system is summarized below:

xxyyyyyy

where:

xx represents the blank type (EB for equipment blank, TB for trip blank, AB for ambient blank)

yyyyyy represents the date (month, day, year)

For example, an equipment blank obtained on May 1, 1999, would be identified as EB050199. When multiple field blanks of a particular type were collected on the same day, alphabetical suffixes (A, B, C, and so forth) were attached to the identification numbers.

The Project Geologist/Field Coordinator maintained a list detailing the connection between each QC sample and specific environmental samples. For instance, each trip blank was correlated with a particular set of samples shipped to the laboratory, and each equipment blank was correlated to those samples collected using a particular set of sampling tools on a specific date.

After the laboratory data were received and validated, data entry and QC operations were performed on the laboratory's electronic data deliverables (EDDs) to ensure that each EDD was complete, correct, and compatible with the ERPIMS format. An EDD report in the ERPIMS format will be provided to AFCEE.

2.0 LABORATORY ANALYSIS

Phase I soil samples collected as part of this RFI were analyzed for 40 CFR Appendix IX constituents. Depending on past site practices, sample collection and analysis was performed for either the full suite of Appendix IX parameters or a reduced list. At some sites, non-Appendix IX parameters (e.g., ethylene glycol, soil pH) were added to the list of analyses in order to characterize more fully site-specific wastes managed at each individual SWMU. Specific sampling parameters for each site are listed in Section 3.0 of the RFI Report. Sampling and analysis were performed in accordance with the in accordance with the Basewide QAPP (HydroGeoLogic, 1998) for the Phase I soil investigation, and the 2000 Basewide QAPP (HydroGeoLogic, 2000b) for the Phase II soil investigation and both rounds of the groundwater investigation. (These two documents will be jointly referenced as "the Basewide QAPP" in the remainder of this appendix)

2.1 ANALYTICAL PROGRAM

The data generated by this project is of sufficient quality and quantity to meet the overall project objective, which is closure of SWMUs 5, 6, 12, 31, and 61 under the TNRCC RRS program. Data from the following categories were required for this study:

Site Characterization - Data were used to evaluate physical and chemical properties of soil. The data were also used to characterize the nature and extent of any contaminants detected.

Health and Safety - Data were used to establish the level of protection needed for the sampling team and other site-related personnel. These data were gathered by the use of organic vapor monitors during intrusive activities.

A combination of screening level data and definitive level data was used during this RFI. Health and safety data were collected as screening data. All soil and water samples were analyzed following USEPA SW846 protocols. The definitions of screening data and definitive data, as established by the Data Quality Objectives Process for Superfund Interim Final Guidance (USEPA/540/G-93/071, 1993) are described below:

- Screening Data with Definitive Confirmation - Screening data can be generated by rapid, less precise methods of analysis with less rigorous sample preparation. Sample preparation steps may be restricted to simple procedures such as dilution with a solvent, instead of elaborate extraction/digestion and cleanup. Screening data provides analyte identification and quantification. Although the quantification may be determined using analytical methods with QA/QC procedures and criteria associated with definitive data, screening data without associated confirmation data are not considered to be data of known quality.

- Definitive Data - Definitive data were generated using rigorous analytical methods, such as approved USEPA reference methods. Data are analyte-specific, with confirmation of analyte identity and concentration. These methods produce tangible raw data (e.g., chromatograms, spectra, digital values) in the form of paper printouts or computer-

generated electronic files. Data may be generated at the site or at an off-site location, as long as the QA/QC requirements are satisfied. For the data to be definitive, either analytical or total measurement error must be determined.

The data generated by the laboratory analysis of samples were sufficiently sensitive to allow comparison of the results to the TNRCC RRS. The Basewide QAPP describes each method that was performed as part of the investigation and outlines the quality assurance measures the contract laboratory must follow. The methods of analysis selected for samples collected from NAS Fort Worth JRB produced screening as well as definitive data.

2.2 QUALITY ASSURANCE/QUALITY CONTROL PROGRAM

The primary project QA/QC document is the Basewide QAPP. The 1998 version of this document is based on versions 1.1 and 2.0 of AFCEE's Model QAPP, with some base-specific modifications. The 2000 version of the QAPP incorporates elements of the AFCEE Model QAPP, version 3.0, and updates to SW-846 methods. These documents are supplemented by the laboratory's Quality Assurance Plan. Together, these documents detail the requirements which must be followed in order to generate data of the level of quality required to support the project decision-making process. Among the requirements contained in these documents is the requirement for review of the data at several levels at the laboratory. Each benchtop chemist is responsible for a 100 percent review of all data generated, as is each laboratory section manager (or designee). Subsequent to analyst review, 10 percent of data are reviewed by the laboratory QA department prior to assembly of each data report. Each final data report is reviewed by the laboratory project manager prior to release from the laboratory.

2.2.1 Laboratory QA/QC Program

The laboratory QA/QC program was maintained in overall accordance with the Basewide QAPP. Where the laboratory performance was not in accordance with QAPP criteria, the affected data were qualified in the data validation process. The Data Validation Reports are presented in Appendix G. In order to provide data meeting the requirements for definitive data, the following QC elements were used by the laboratory to provide QC data applicable to the analytical results: laboratory control samples (LCSs), matrix spike/matrix spike duplicate (MS/MSD) samples, surrogate recoveries, internal standard performance, method blanks and calibration, instrument tuning and calibration, second source calibration checks, confirmation columns/detectors, interference check samples, recovery tests, laboratory duplicates, and serial dilutions. A description of each laboratory QC element can be found in Section 4.0 of the Basewide QAPP. The frequency and acceptance criteria for each laboratory QC element are described in general in Sections 4.0 and 8.0 of the Basewide QAPP, and in the method-specific subsections of Section 7.0 of the Basewide QAPP.

2.2.2 QA Activities

On March 25 and 26, 1998, the HydroGeoLogic project chemist, assisted by a Law Engineering project chemist, performed a QA audit of the facilities and practices of the analytical laboratory at Recra Labnet[1] in University Park, Illinois. The auditors reviewed the laboratory's Quality Assurance Plan, evaluated the laboratory's recent state certification performance evaluation sample results, reviewed the laboratory's standard operating procedures, and conducted an on-site inspection of the laboratory's facility. The laboratory was found to have sufficient expertise, resources, and procedures to generate definitive and legally defensible data.

2.2.3 QA/QC Program Performance

Evaluation of the project QC and analytical data provided by the laboratory showed that there was general compliance with the QA/QC program. There were cases where individual analytes or QC elements did not meet program criteria If these QC failures were serious enough, the laboratory performed re-analysis after attempting corrective action. Where re-analysis was not performed or corrective action was not successful, the data were qualified in accordance with the method-specific requirements of Section 7.0 and the general requirements of Section 8.0 of the Basewide QAPP.

2.2.4 Completeness

Completeness was calculated for data generated from the RFI performed at the subject sites (5 SWMUs) included in the project WPs under the requirements of permit HW-50289 (HydroGeoLogic, 1999). The validated project data set includes results from Phase I, II, and Phase III soil sampling, and the rounds of groundwater sampling. It does not include the sampling data from the IRAs.

A total of 7591 data points were generated by the analyses of project soil samples (Phases I, II, and III). Of these, 138 were rejected due to failure to achieve QA/QC program requirements. Total project soil data completeness is calculated to be 98.18 percent, which exceeds the project soil data completeness goal of 90 percent.

A total of 697 data points were generated by the analyses of project groundwater samples. Of these, 6 were rejected due to failure to achieve QA/QC program requirements. Total project water data completeness is calculated to be 99.14 percent, which exceeds the project water data completeness goal of 95 percent.

[1] RCRA Labnet is currently doing business as Severn Trent Laboratories

3.0 DATA QUALITY EVALUATION

This section describes the analytical methods and quality control program utilized for the RFI of SWMUs 5, 6, 12, 31, and 61 at NAS Fort Worth JRB. The analytical methods used for the analysis of the field samples are described in the Basewide QAPP.

3.1 DATA QUALITY EVALUATION OBJECTIVE

The objective of the Data Quality Evaluation (DQE) is to provide a professional review of the analytical data packages submitted by the laboratory. The DQE consists of a review of laboratory QC data and field QC data. This review is performed to indicate which data are usable, usable with qualification, or unusable. The analytical procedures used to generate field sample data are evaluated in accordance with the general and method-specific QC criteria listed in Sections 5.0, 6 0, 7.0, and 8.0 of the Basewide QAPP.

The following items of laboratory QC data are reviewed:

- Sample integrity
- Sample completeness
- Preparation and analysis holding times
- Laboratory preparation and analysis methods
- Method accuracy and precision (e.g., MS/MSDs, dilution tests)
- Laboratory performance criteria (e g., blanks, LCS recoveries, surrogates, internal standards)
- Instrument initial and continuing calibration checks

Field QC performance is evaluated through evaluating field duplicates, field blanks, field documentation, and shipping criteria.

3.2 METHODOLOGY FOR DATA QUALITY ASSESSMENT

The analytical results for samples collected from SWMU 5, 6, 12, 31, and 61 were validated by Environmental Data Services, Inc. (EDS), HydroGeoLogic, and EEG. The data were evaluated in accordance with the procedures and acceptance criteria contained in the Basewide QAPP. All results from all analytical methods (with the exception of pH and sulfide results) were evaluated with respect to the requirements of definitive data at the equivalent of a USEPA level III review. The data review identified those data that were unusable due to serious QC deficiencies, as well as other data that were affected by QC problems but not of sufficient severity to warrant rejection. Rejected data were qualified 'R', while qualifiers of lesser severity were applied to usable data where necessary. The level III validation reports for each sample delivery group (SDG) are included in Appendix G.

Following the level III review, 10 percent of the Phase I sample results were validated by International Technologies Corporation, Inc. (IT). The data were evaluated in accordance with the procedures and acceptance criteria contained in the Basewide QAPP. The 10 percent of all of the Phase I results from all of the analytical methods were evaluated with respect to the requirements of definitive data at the equivalent of a USEPA level IV review in order to ensure

the quality of the level III assessment. The level IV data validation summary report is included in Appendix G.

HydroGeoLogic's Project Chemist compared IT's data validation report to the associated EDS data validation reports, and determined that there is good overall agreement between the level III and the level IV data reviews for the sample results produced during this RFI. The level IV review confirmed that the data reported with level III qualifiers meet the project data quality objectives (DQOs) for definitive data. The data validation comparison reports are included in Appendix G.

Subsequent to the data validation process, the required data validation qualifiers were entered into the project database. The accuracy the validation and data entry process was checked at all stages. The "as received" accuracy of each EDD for each data package was verified by comparing the contents of each EDD to the hardcopy of that data package at a 10 percent rate. The accuracy of the validation qualifiers was also checked on the final database output at a rate of 10 percent.

TAB

APPENDIX C

APPENDIX C

IRA Results

Waste Accumulation Area Sampling - SWMU 12A

Sample ID	Test Method	Lab ID	Parameter	Sample Result	Q	Flags	MDL	Units	Sample Date	Previous Results	RRS-1 Surface	MSC
BEEGSWMU12001	8260B	206150-6	Benzene	0 035			0 0006	mg/kg	10/18/2001	1 3J	0.002	0.5

Waste Accumulation Area Sampling - SWMU 12B Confirmatory Samples

Sample ID	Test Method	Lab ID	Parameter	Sample Result	Q	Flags	MDL	Units	Sample Date	Previous Results	RRS-1 Surface	MSC	New MSC
BEEGSWMU12BF1	7421	206129-13	Lead	10.5			1.6	mg/kg	10/17/2001	89.4	30.97	30.97	57.7
	6010B	206129-13	Cadmium	0.22	F		0.09	mg/kg	10/17/2001	0.98	0.556	0.98	4.2
	6010B	206129-13	Zinc	16.1	F		0.66	mg/kg	10/17/2001	84 8	38.8	3100	
BEEGSWMU12BN3	7421	206524-5	Lead	9.2			1.6	mg/kg	11/6/2001	89.4	30 97	30 97	57.7
	6010B	206524-5	Cadmium	0.15	F		0.12	mg/kg	11/6/2001	0.98	0.556	0.98	4.2
	6010B	206524-5	Zinc	22.5	F		0 86	mg/kg	11/6/2001	84 8	38 8	3100	
BEEGSWMU12BN4	7421	206947-6	**Lead**	**60.6**			7.9	mg/kg	11/30/2001	89.4	30.97	30.97	57.7
	7421	206947-6	**Lead (SPLP)**	**0.0854**			0 02	mg/L	11/30/2001			0.015	
	7131A	206947-6	Cadmium	0.85			0 079	mg/kg	11/30/2001	0.98	0.556	0 98	4.2
BEEGSWMU12BN5	7421	207498-2	**Lead**	**99.3**			8 5	mg/kg	1/3/2002	89.4	30 97	30.97	57.7
	6010B	207498-2	Cadmium	7.9		^	0.12	mg/kg	1/3/2002	0.98	0.556	0.98	4.2
	6010B	207498-2	Zinc	183		^	0.89	mg/kg	1/3/2002	84 8	38.8	3100	
BEEGSWMU12BE3	7421	206648-3	Lead	34 8			1 6	mg/kg	11/13/2001	89.4	30.97	30 97	57.7
	7421	206923-1	Lead (SPLP)	0.0375			0.01	mg/L	11/13/2001			0.015	
	6010B	206648-3	Cadmium	0.96			0.098	mg/kg	11/13/2001	0 98	0 556	0.98	4 2
BEEGSWMU12BS2	7421	207498-1	Lead	9			1.6	mg/kg	1/3/2002	89.4	30 97	30.97	57 7
	6010B	207498-1	Cadmium	0.11	U	^	0 11	mg/kg	1/3/2002	0.98	0 556	0.98	4 2
	6010B	207498-1	Zinc	17 9	F	^	0.79	mg/kg	1/3/2002	84.8	38.8	3100	
BEEGSWMU12BW1	7421	206129-17	Lead	13.8			1.3	mg/kg	10/17/2001	89 4	30 97	30 97	57 7
	6010B	206129-17	Cadmium	0 26	F		0.1	mg/kg	10/17/2001	0.98	0 556	0.98	4 2
	6010B	206129-17	Zinc	21.6	F		0 76	mg/kg	10/17/2001	84 8	38.8	3100	

Waste Accumulation Ar a Sampling - SWMU 12C Confirmatory Samples

Sample ID	Test Method	Lab ID	Parameter	Sample Result	Q	Flags	MDL	Units	Sample Date	Previous Results	RRS-1 Surface	MSC	New MSC
BEEGSWMU21CF2	7421	207972-3	Lead	4.8			0.02	mg/kg	1/30/2002	57 8	30.97	30.97	64 8
BEEGSWMU12CN2	7421	206524-6	Lead	14.9			1.1	mg/kg	11/6/2001	57 8	30.97	30.97	64 8
BEEGSWMU12CE2	7421	206524-7	Lead	8 7			0 98	mg/kg	11/6/2001	57.8	30 97	30 97	64 8
BEEGSWMU12CS1	7421	206150-2	Lead	6 3			1 5	mg/kg	10/18/2001	57.8	30 97	30 97	64.8
BEEGSWMU12CW1	7421	206150-5	Lead	19 4			1.4	mg/kg	10/18/2001	57 8	30 97	30 97	64.8

Waste Accumulation Area Sampling - SWMU 12D Confirmatory Samples

Sample ID	Test Method	Lab ID	Parameter	Sample Result	Q	Flags	MDL	Units	Sample Date	Previous Results	RRS-1 Sub-Surface	MSC
BEEGSWMU12DF1	TX1005	001	TPH	ND			50	mg/kg	10/18/2001	771.13	59	1100
	TX1005	001	GRO (Gasoline Range)	ND			50	mg/kg	10/18/2001	391.46	59	370
	TX1005	001	DRO (Diesel Range)	ND			50	mg/kg	10/18/2001	379.67	59	740
BEEGSWMU12DN1	TX1005	003	TPH	ND			50	mg/kg	10/18/2001	771 13	59	1100
	TX1005	003	GRO (Gasoline Range)	ND			50	mg/kg	10/18/2001	391.46	59	370
	TX1005	003	DRO (Diesel Range)	ND			50	mg/kg	10/18/2001	379 67	59	740
BEEGSWMU12DE2	TX1005	001	TPH	ND			50	mg/kg	11/1/2001	771.13	59	1100
	TX1005	001	GRO (Gasoline Range)	ND			50	mg/kg	11/1/2001	391.46	59	370
	TX1005	001	DRO (Diesel Range)	ND			50	mg/kg	11/1/2001	379.67	59	740
BEEGSWMU12DS1	TX1005	005	TPH	430			50	mg/kg	10/18/2001	771.13	59	1100
	TX1005	005	GRO (Gasoline Range)	220			50	mg/kg	10/18/2001	391.46	59	370
	TX1005	005	DRO (Diesel Range)	230			50	mg/kg	10/18/2001	379 67	59	740
BEEGSWMU12DW1	TX1005	006	TPH	330			50	mg/kg	10/18/2001	771.13	59	1100
	TX1005	006	GRO (Gasoline Range)	220			50	mg/kg	10/18/2001	391.46	59	370
	TX1005	006	DRO (Diesel Range)	130			50	mg/kg	10/18/2001	379 67	59	740

Waste Accumulation Area Sampling - SWMU 12A

Sample ID	Test Method	Lab ID	Parameter	Sample Result	Q	Flags	MDL	Units	Sample Date	Previous Results	RRS-1 Surface	MSC
BEEGSWMU12001	8260B	206150-6	Benzene	0.035			0.0006	mg/kg	10/18/2001	1.3J	0.002	0.5

Waste Accumulation Area Sampling - SWMU 12B

Sample ID	Test Method	Lab ID	Parameter	Sample Result	Q	Flags	MDL	Units	Sample Date	Previous Results	RRS-1 Surface	MSC	New MSC
BEEGSWMU12BF1	7421	206129-13	Lead	10 5			1 6	mg/kg	10/17/2001	89 4	30 97	30 97	57 7
	6010B	206129-13	Cadmium	0 22	F		0 09	mg/kg	10/17/2001	0 98	0 556	0 98	4 2
	6010B	206129-13	Zinc	16 1	F		0 66	mg/kg	10/17/2001	84 8	38 8	3100	
BEEGSWMU12DUP1	7421	206129-14	Lead	8 3			1 6	mg/kg	10/17/2001	89 4	30 97	30 97	57 7
	6010B	206129-14	Cadmium	0 27	F		0 11	mg/kg	10/17/2001	0 98	0 556	0 98	4 2
	6010B	206129-14	Zinc	16	F		0 78	mg/kg	10/17/2001	84 8	38 8	3100	
BEEGSWMU12BN1	7421	206129-15	**Lead**	**47.4**			1 8	mg/kg	10/17/2001	89 4	30 97	30 97	57 7
	6010B	206129-15	**Cadmium**	1 2			0 073	mg/kg	10/17/2001	0 98	0 556	0 98	4 2
	6010B	206129-15	Zinc	67 9			0 54	mg/kg	10/17/2001	84 8	38 8	3100	
BEEGSWMU12BN2	7421	206524-8	Lead	57 7			5 7	mg/kg	11/6/2001	89 4	30 97	30 97	57 7
	7421	206883-2	Lead (SPLP)	0 0083	F		0 002	mg/L	11/6/2001			0 015	
	6010B	206524-8	Cadmium	4 2			0 084	mg/kg	11/6/2001	0 98	0 556	0 98	4 2
	7131A	206883-2	Cadmium (SPLP)	0 0005	U		0 0005	mg/L	11/6/2001			0 005	
	6010B	206524-8	Zinc	76 1			0 62	mg/kg	11/6/2001	84 8	38 8	3100	
BEEGSWMU12BN3	7421	206524-5	Lead	9 2			1 6	mg/kg	11/6/2001	89 4	30 97	30 97	57 7
	6010B	206524-5	Cadmium	0 15	F		0 12	mg/kg	11/6/2001	0 98	0 556	0 98	4 2
	6010B	206524-5	Zinc	22 5	F		0 86	mg/kg	11/6/2001	84 8	38 8	3100	
BEEGSWMU12BN4	7421	206947-6	**Lead**	60 6			7 9	mg/kg	11/30/2001	89 4	30 97	30 97	57 7
	7421	206947-6	**Lead (SPLP)**	0 0854			0 02	mg/L	11/30/2001			0 015	
	7131A	206947-6	Cadmium	0 85			0 079	mg/kg	11/30/2001	0 98	0 556	0 98	4 2
BEEGSWMU12BN5	7421	207498-2	**Lead**	**99 3**			8 5	mg/kg	1/3/2002	89 4	30 97	30 97	57 7
	6010B	207498-2	Cadmium	7 9		^	0 12	mg/kg	1/3/2002	0 98	0 556	0 98	4 2
	6010B	207498-2	Zinc	183		^	0 89	mg/kg	1/3/2002	84 8	38 8	3100	
BEEGSWMU12BE1	7421	206129-16	**Lead**	**70 8**			6 9	mg/kg	10/17/2001	89 4	30 97	30 97	57 7
	7421	206129-16	**Lead (SPLP)**	0 0676			10	mg/L	10/17/2001			0 015	
	6010B	206129-16	Cadmium	0 92			0 08	mg/kg	10/17/2001	0 98	0 556	0.98	4 2
	6010B	206129-16	Zinc	45 9			0 59	mg/kg	10/17/2001	84 8	38 8	3100	
BEEGSWMU12BE2	7421	206524-9	**Lead**	**40 0**			1 3	mg/kg	11/6/2001	89 4	30 97	30 97	57 7
	7421	206883-3	**Lead (SPLP)**	0 0217			0 002	mg/L	11/6/2001			0 015	
	6010B	206524-9	Cadmium	1 1			0 087	mg/kg	11/6/2001	0 98	0 556	0 98	4 2
	7131A	206883-3	Cadmium (SPLP)	0 0005	U		0 0005	mg/L	11/6/2001			0 005	
	6010B	206524-9	Zinc	63 1			0 64	mg/kg	11/6/2001	84 8	38 8	3100	
BEEGSWMU12BE3	7421	206648-3	Lead	34 8			1 6	mg/kg	11/13/2001	89 4	30 97	30 97	57 7
	7421	206923-1	**Lead (SPLP)**	0.0375			0 01	mg/L	11/13/2001			0 015	
	6010B	206648-3	Cadmium	0 96			0 098	mg/kg	11/13/2001	0 98	0 556	0 98	4 2
BEEGSWMU12BW1	7421	206129-17	Lead	13 8			1 3	mg/kg	10/17/2001	89 4	30 97	30 97	57 7
	6010B	206129-17	Cadmium	0 26	F		0 1	mg/kg	10/17/2001	0 98	0 556	0 98	4 2
	6010B	206129-17	Zinc	21 6	F		0 76	mg/kg	10/17/2001	84 8	38 8	3100	
BEEGSWMU12BS1	7421	206150-8	Lead	9 7			1 6	mg/kg	10/18/2001	89 4	30 97	30 97	57 7
	6010B	206150-8	Cadmium	0 2	F		0 098	mg/kg	10/18/2001	0 98	0 556	0 98	4 2
	6010B	206150-8	Zinc	21 2	F		0 73	mg/kg	10/18/2001	84 8	38 8	3100	
BEEGSWMU12BS2	7421	207498-1	Lead	9			1 6	mg/kg	1/3/2002	89 4	30 97	30 97	57 7
	6010B	207498-1	Cadmium	0 11	U	^	0 11	mg/kg	1/3/2002	0 98	0 556	0 98	4 2
	6010B	207498-1	Zinc	17 9	F	^	0 79	mg/kg	1/3/2002	84 8	38 8	3100	

Waste Accumulation Area Sampling - SWMU 12C

Sample ID	Test Method	Lab ID	Parameter	Sample Result	Q	Flags	MDL	Units	Sample Date	Previous Results	RRS-1 Surface	MSC	New MSC
BEEGSWMU12CF1	7421	206150-1	Lead	143			7 9	mg/kg	10/18/2001	57 8	30 97	30 97	64 8
	8310	206150-1	Benzo(a)anthracene	0 00072	U		0 00072	mg/kg	10/18/2001	1 7	0 33	0 6	
	8310	206150-1	Benzo(a)pyrene	0 00077	U		0 00077	mg/kg	10/18/2001	1 4	0 33	0 33	
	8310	206150-1	Benzo(b)fluoranthene	0 0013	U		0 0013	mg/kg	10/18/2001	2	0 33	0 33	
	8310	206150-1	Benzo(k)fluoranthene	0 00072	U		0 00072	mg/kg	10/18/2001	0 76	0 33	0 39	
	8310	206150-1	Indeno(1,2,3-c,d)pyrene	0 00062	U		0 00062	mg/kg	10/18/2001	0 96	0 33	0 33	
BEEGSWMU12CF2A	7421	206687-8	Lead	7 3			1 5	mg/kg	11/14/2001	57 8	30 97	30 97	64 8
BEEGSWMU21CF2	7421	207972-3	Lead	4 8			0 02	mg/kg	1/30/2002	57 8	30 97	30 97	64 8
BEEGSWMU12CS1	7421	206150-2	Lead	6 3			1 5	mg/kg	10/18/2001	57 8	30 97	30 97	64 8
	8310	206150-2	Benzo(a)anthracene	0 00067	U		0 00067	mg/kg	10/18/2001	1 7	0 33	0 6	
	8310	206150-2	Benzo(a)pyrene	0 00072	U		0 00072	mg/kg	10/18/2001	1 4	0 33	0 33	
	8310	206150-2	Benzo(b)fluoranthene	0 0013	U		0 0013	mg/kg	10/18/2001	2	0 33	0 33	
	8310	206150-2	Benzo(k)fluoranthene	0 00067	U		0 00067	mg/kg	10/18/2001	0 76	0 33	0 39	
	8310	206150-2	Indeno(1,2,3-c,d)pyrene	0 00058	U		0 00058	mg/kg	10/18/2001	0 96	0 33	0 33	
BEEGSWMU12CS2	7421	206947-10	Lead	4			1 7	mg/kg	11/30/2001	57 8	30 97	30 97	64 8
	8310	206947-10	Benzo(a)anthracene	0 00068	U		0 00068	mg/kg	11/30/2001	1 7	0 33	0 6	
	8310	206947-10	Benzo(a)pyrene	0 00073	U		0 00073	mg/kg	11/30/2001	1 4	0 33	0 33	
	8310	206947-10	Benzo(b)fluoranthene	0 0013	U		0 0013	mg/kg	11/30/2001	2	0 33	0 33	
	8310	206947-10	Benzo(k)fluoranthene	0 00068	U		0 00068	mg/kg	11/30/2001	0 76	0 33	0 39	
	8310	206947-10	Indeno(1,2,3-c,d)pyrene	0 00059	U		0 00059	mg/kg	11/30/2001	0 96	0 33	0 33	
BEEGSWMU12CN1	7421	206150-3	Lead	56 7			6 9	mg/kg	10/18/2001	57 8	30 97	30 97	64 8
	8310	206150-3	Benzo(a)anthracene	0 0077			0 00065	mg/kg	10/18/2001	1 7	0 33	0 6	
	8310	206150-3	Benzo(a)pyrene	0 015			0 00069	mg/kg	10/18/2001	1 4	0 33	0 33	
	8310	206150-3	Benzo(b)fluoranthene	0 018			0 0012	mg/kg	10/18/2001	2	0 33	0 33	
	8310	206150-3	Benzo(k)fluoranthene	0 069			0 00065	mg/kg	10/18/2001	0 76	0 33	0 39	
	8310	206150-3	Indeno(1,2,3-c,d)pyrene	0 013			0 00056	mg/kg	10/18/2001	0 96	0 33	0 33	
BEEGSWMU12CN2	7421	206524-6	Lead	14 9			1 1	mg/kg	11/6/2001	57 8	30 97	30 97	64 8
BEEGSWMU12CE1	7421	206150-4	Lead	64 8			6 8	mg/kg	10/18/2001	57 8	30 97	30 97	64 8
	7421	206883-4	Lead (SPLP)	0 0027			0 002	mg/L	10/18/2001			0 015	
	8310	206150-4	Benzo(a)anthracene	0 0051			0 00065	mg/kg	10/18/2001	1 7	0 33	0 6	
	8310	206150-4	Benzo(a)pyrene	0 094			0 0035	mg/kg	10/18/2001	1 4	0 33	0 33	
	8310	206150-4	Benzo(b)fluoranthene	0 11			0 0061	mg/kg	10/18/2001	2	0 33	0 33	
	8310	206150-4	Benzo(k)fluoranthene	0 049			0 0032	mg/kg	10/18/2001	0 76	0 33	0 39	
	8310	206150-4	Indeno(1,2,3-c,d)pyrene	0 085			0 00056	mg/kg	10/18/2001	0 96	0 33	0 33	
BEEGSWMU12CE2	7421	206524-7	Lead	8 7			0 98	mg/kg	11/6/2001	57 8	30 97	30 97	64 8
BEEGSWMU12CW1	7421	206150-5	Lead	19 4			1 4	mg/kg	10/18/2001	57 8	30 97	30 97	64 8
	8310	206150-5	Benzo(a)anthracene	0 017			0 00066	mg/kg	10/18/2001	1 7	0 33	0 6	
	8310	206150-5	Benzo(a)pyrene	0 037			0 0007	mg/kg	10/18/2001	1 4	0 33	0 33	
	8310	206150-5	Benzo(b)fluoranthene	0 044			0 0061	mg/kg	10/18/2001	2	0 33	0 33	
	8310	206150-5	Benzo(k)fluoranthene	0 021			0 033	mg/kg	10/18/2001	0 76	0 33	0 39	
	8310	206150-5	Indeno(1 2,3-c,d)pyrene	0 033			0 00057	mg/kg	10/18/2001	0 96	0 33	0 33	

Waste Accumulation Area Sampling - SWMU 12D

Sample ID	Test Method	Lab ID	Parameter	Sample Result	Q	Flags	MDL	Units	Sample Date	Previous Results	RRS-1 Sub-Surface	MSC
BEEGSWMU12DF1	TX1005	001	TPH	ND			50	mg/kg	10/18/2001	771.13	59	1100
	TX1005	001	GRO (Gasoline Range)	ND			50	mg/kg	10/18/2001	391 46	59	370
	TX1005	001	DRO (Diesel Range)	ND			50	mg/kg	10/18/2001	379.67	59	740
BEEGSWMU12DUP2	TX1005	002	TPH	ND			50	mg/kg	10/18/2001	771.13	59	1100
	TX1005	002	GRO (Gasoline Range)	ND			50	mg/kg	10/18/2001	391 46	59	370
	TX1005	002	DRO (Diesel Range)	ND			50	mg/kg	10/18/2001	379 67	59	740
BEEGSWMU12DN1	TX1005	003	TPH	ND			50	mg/kg	10/18/2001	771.13	59	1100
	TX1005	003	GRO (Gasoline Range)	ND			50	mg/kg	10/18/2001	391 46	59	370
	TX1005	003	DRO (Diesel Range)	ND			50	mg/kg	10/18/2001	379 67	59	740
BEEGSWMU12DE1	TX1005	004	**TPH**	**1300**			50	mg/kg	10/18/2001	771.13	59	1100
	TX1005	004	**GRO (Gasoline Range)**	**680**			50	mg/kg	10/18/2001	391.46	59	370
	TX1005	004	DRO (Diesel Range)	630			50	mg/kg	10/18/2001	379.67	59	740
BEEGSWMU12DE2	TX1005	001	TPH	ND			50	mg/kg	11/1/2001	771.13	59	1100
	TX1005	001	GRO (Gasoline Range)	ND			50	mg/kg	11/1/2001	391 46	59	370
	TX1005	001	DRO (Diesel Range)	ND			50	mg/kg	11/1/2001	379 67	59	740
BEEGSWMU12DS1	TX1005	005	TPH	430			50	mg/kg	10/18/2001	771.13	59	1100
	TX1005	005	GRO (Gasoline Range)	220			50	mg/kg	10/18/2001	391.46	59	370
	TX1005	005	DRO (Diesel Range)	230			50	mg/kg	10/18/2001	379.67	59	740
BEEGSWMU12DW1	TX1005	006	TPH	330			50	mg/kg	10/18/2001	771.13	59	1100
	TX1005	006	GRO (Gasoline Range)	220			50	mg/kg	10/18/2001	391.46	59	370
	TX1005	006	DRO (Diesel Range)	130			50	mg/kg	10/18/2001	379.67	59	740

Waste Accumulation Ar a Sampling - SWMU 12 Monitoring Wells

Sample ID	Test Method	Lab ID	Parameter	Sample Result	Q	Flags	MDL	Units	Sample Date	MSC
WEEGTA002										
	7470A	206648-1	Mercury	0 000065	U		0 000065	mg/L	11/12/2001	0 002
	6010B	206648-1	Aluminum	0 133	F		0 0185	mg/L	11/12/2001	100
	6010B	206648-1	Arsenic	0 0206	F		0 0053	mg/L	11/12/2001	0 05
	6010B	206648-1	Barium	0 164	F		0 0028	mg/L	11/12/2001	2
	6010B	206648-1	Beryllium	0 00029	U		0 00029	mg/L	11/12/2001	0 004
	6010B	206648-1	Cadmium	0 00032	U		0 00032	mg/L	11/12/2001	0 005
	6010B	206648-1	Calcium	121			0 0222	mg/L	11/12/2001	Essential Nutrient
	6010B	206648-1	Cobalt	0 002	F		0 002	mg/L	11/12/2001	6 1
	6010B	206648-1	Copper	0 0066	F		0 0028	mg/L	11/12/2001	1 3
	6010B	206648-1	Magnesium	6 4			0 0096	mg/L	11/12/2001	Essential Nutrient
	6010B	206648-1	Manganese	0 205			0 0016	mg/L	11/12/2001	14
	6010B	206648-1	Nickel	0 0032	F		0 0026	mg/L	11/12/2001	2
	6010B	206648-1	Silver	0 0019	F		0 0014	mg/L	11/12/2001	0 51
	6010B	206648-1	Vanadium	0 0038	F		0 0023	mg/L	11/12/2001	0 72
	6010B	206648-1	Zinc	0 0362	F		0 0027	mg/L	11/12/2001	31
	8270C	206648-1	Phenol	0 004	U		0 004	mg/L	11/12/2001	61
	8270C	206648-1	Bis(2-chloroethyl)ether	0 005	U		0 005	mg/L	11/12/2001	0 00026
	8270C	206648-1	1,3-Dichlorobenzene	0 005	U		0 005	mg/L	11/12/2001	0 6
	8270C	206648-1	1,4-Dichlorobenzene	0 006	U		0 006	mg/L	11/12/2001	0 075
	8270C	206648-1	1,2-Dichlorobenzene	0 005	U		0 005	mg/L	11/12/2001	0 6
	8270C	206648-1	Benzyl alcohol	0 004	U		0 004	mg/L	11/12/2001	
	8270C	206648-1	2-Methylphenol (o-cresol)	0 005	U		0 005	mg/L	11/12/2001	5 1
	8270C	206648-1	2,2-oxybis (1-chloropropane)	0 004	U		0 004	mg/L	11/12/2001	
	8270C	206648-1	n-Nitroso-di-n-propylamine	0 004	U		0 004	mg/L	11/12/2001	0 000041
	8270C	206648-1	Hexachloroethane	0 008	U		0 008	mg/L	11/12/2001	0 1
	8270C	206648-1	4-Methylphenol (m/p-cresol)	0 004	U		0 004	mg/L	11/12/2001	0 51
	8270C	206648-1	2-Chlorophenol	0 004	U		0 004	mg/L	11/12/2001	0 51
	8270C	206648-1	Nitrobenzene	0 004	U		0 004	mg/L	11/12/2001	0 051
	8270C	206648-1	Bis(2-chloroethoxy)methane	0 005	U		0 005	mg/L	11/12/2001	
	8270C	206648-1	1,2,3-Trichlorobenzene	0 005	U		0 005	mg/L	11/12/2001	
	8270C	206648-1	Benzoic acid	0 006	U		0 006	mg/L	11/12/2001	410
	8270C	206648-1	Isophorone	0 003	U		0 003	mg/L	11/12/2001	
	8270C	206648-1	2,4-Dimethylphenol	0 004	U		0 004	mg/L	11/12/2001	2
	8270C	206648-1	Hexachlorobutadiene	0 008	U		0 008	mg/L	11/12/2001	0 02
	8270C	206648-1	Naphthalene	0 004	U		0 004	mg/L	11/12/2001	2
	8270C	206648-1	2,4-Dichorophenol	0 004	U		0 004	mg/L	11/12/2001	31
	8270C	206648-1	4-Chloroaniline	0 003	U		0 003	mg/L	11/12/2001	
	8270C	206648-1	2,4,6-Trichlorophenol	0 003	U		0 003	mg/L	11/12/2001	0 026
	8270C	206648-1	2,4,5-Trichlorophenol	0 003	U		0 003	mg/L	11/12/2001	10
	8270C	206648-1	Hexachlorocyclopentadiene	0 002	U		0 002	mg/L	11/12/2001	
	8270C	206648-1	2-Methylnaphthalene	0 004	U		0 004	mg/L	11/12/2001	
	8270C	206648-1	2-Nitoraniline	0 004	U		0 004	mg/L	11/12/2001	
	8270C	206648-1	2-Chloronaphthalene	0 003	U		0 003	mg/L	11/12/2001	8 2
	8270C	206648-1	2-Chloro-3-methylphenol	0 004	U		0 004	mg/L	11/12/2001	
	8270C	206648-1	2,6-Dinitrotoluene	0 003	U		0 003	mg/L	11/12/2001	0 00042
	8270C	206648-1	2-Nitrophenol	0 004	U		0 004	mg/L	11/12/2001	
	8270C	206648-1	3-Nitroaniline	0 003	U		0 003	mg/L	11/12/2001	
	8270C	206648-1	Dimethyl phthalate	0 003	U		0 003	mg/L	11/12/2001	
	8270C	206648-1	2,4-Dinitrophenol	0 011	U		0 011	mg/L	11/12/2001	0 2
	8270C	206648-1	Acenaphthylene	0 003	U		0 003	mg/L	11/12/2001	
	8270C	206648-1	2,4-Dinitrotoluene	0 003	U		0 003	mg/L	11/12/2001	0 00042
	8270C	206648-1	Acenaphthene	0 003	U		0 003	mg/L	11/12/2001	6 1
	8270C	206648-1	Dibenzofuran	0 003	U		0 003	mg/L	11/12/2001	
	8270C	206648-1	4-Nitrophenol	0 007	U		0 007	mg/L	11/12/2001	
	8270C	206648-1	Fluorene	0 004	U		0 004	mg/L	11/12/2001	4 1
	8270C	206648-1	4-Nitroaniline	0 006	U		0 006	mg/L	11/12/2001	

Sample ID	Test Method	Lab ID	Parameter	Sample Result	Q	Flags	MDL	Units	Sample Date	MSC
	8270C	206648-1	4-Bromophenyl phenyl ether	0 003	U		0 003	mg/L	11/12/2001	
	8270C	206648-1	Hexachlorobenzene	0 003	U		0 003	mg/L	11/12/2001	0 001
	8270C	206648-1	Diethyl phthalate	0 004	U		0 004	mg/L	11/12/2001	82
	8270C	206648-1	4-Chlorophenyl phenyl ether	0 003	U		0 003	mg/L	11/12/2001	
	8270C	206648-1	Pentachlorophenol	0 004	U		0 004	mg/L	11/12/2001	0 001
	8270C	206648-1	n-Nitrosodiphenylamine	0 004	U		0.004	mg/L	11/12/2001	0 058
	8270C	206648-1	4,6-Dinitro-2-methylphenol	0 006	U		0 006	mg/L	11/12/2001	
	8270C	206648-1	Phenanthrene	0 002	U		0 002	mg/L	11/12/2001	3 1
	8270C	206648-1	Anthracene	0 002	U		0 002	mg/L	11/12/2001	31
	8270C	206648-1	Di-n-butyl phthalate	0 003	U		0 003	mg/L	11/12/2001	10
	8270C	206648-1	Fluoranthene	0 004	U		0 004	mg/L	11/12/2001	4 1
	8270C	206648-1	Pyrene	0 004	U		0 004	mg/L	11/12/2001	3 1
	8270C	206648-1	Butyl benzyl phthalate	0 005	U		0 005	mg/L	11/12/2001	
	8270C	206648-1	Benzo(a)anthracene	0 002	U		0 002	mg/L	11/12/2001	
	8270C	206648-1	Chrysene	0 003	U		0 003	mg/L	11/12/2001	0 039
	8270C	206648-1	3,3-Dichlorobenzidine	0 004	U		0 004	mg/L	11/12/2001	
	8270C	206648-1	Bis(2-ethylhexl)phthalate	0 006	U		0 006	mg/L	11/12/2001	0 006
	8270C	206648-1	Di-n-octyl phthalate	0 004	U		0 004	mg/L	11/12/2001	2
	8270C	206648-1	Benzo(b)fluoranthene	0 003	U		0 003	mg/L	11/12/2001	0 00039
	8270C	206648-1	Benzo(a)pyrene	0 004	U		0 004	mg/L	11/12/2001	0 0002
	8270C	206648-1	Indo(1,2,3-cd)pyrene	0 005	U		0 005	mg/L	11/12/2001	0 00039
	8270C	206648-1	Dibenzo(a,h)anthracene	0 003	U		0 003	mg/L	11/12/2001	0 0002
	8270C	206648-1	Benzo(ghi)perylene	0 004	U		0 004	mg/L	11/12/2001	
	8260B	206648-1	Dichlorodifluoromethane	0 0001	U		0 0001	mg/L	11/12/2001	20
	8260B	206648-1	Chloromethane	0 0002	U		0 0002	mg/L	11/12/2001	
	8260B	206648-1	Vinyl chloride	0 008			0 0002	mg/L	11/12/2001	0 002
	8260B	206648-1	Bromomethane	0 0002	U		0 0002	mg/L	11/12/2001	0 14
	8260B	206648-1	Chloroethane	0 0002	U		0 0002	mg/L	11/12/2001	41
	8260B	206648-1	Trichlorofluoromethane	0 0002	U		0 0002	mg/L	11/12/2001	31
	8260B	206648-1	1,1-Dichloroethene	0 001			0 0002	mg/L	11/12/2001	0 00041
	8260B	206648-1	Methylene chloride	0 0002	U		0 0002	mg/L	11/12/2001	0 005
	8260B	206648-1	trans-1,2-Dichloroehtene	0 005			0 0002	mg/L	11/12/2001	0 1
	8260B	206648-1	Methyl-tert-butyl-ether (MTBE)	0 0002	U		0 0002	mg/L	11/12/2001	
	8260B	206648-1	1,1-Dichloroethane	0 0002	U		0 0002	mg/L	11/12/2001	10
	8260B	206648-1	Vinyl acetate	0 0005	U		0 0005	mg/L	11/12/2001	
	8260B	206648-1	2,2-Dichloropropane	0 0002	U		0 0002	mg/L	11/12/2001	
	8260B	206648-1	cis-1,2-Dichloroethene	0 2			0 01	mg/L	11/12/2001	0 07
	8260B	206648-1	Bromochloromethane	0 0002	U		0 0002	mg/L	11/12/2001	
	8260B	206648-1	Chloroform	0 0002	U		0 0002	mg/L	11/12/2001	0 1
	8260B	206648-1	1,1,1-Trichloroethane	0 0002	U		0 0002	mg/L	11/12/2001	0 2
	8260B	206648-1	1,1-Dichloropropene	0 0002	U		0 0002	mg/L	11/12/2001	
	8260B	206648-1	Carbon tetrachloride	0 0002	U		0 0002	mg/L	11/12/2001	0 005
	8260B	206648-1	Benzene	0 0006			0 0002	mg/L	11/12/2001	0 005
	8260B	206648-1	1,2-Dichloroethane	0 0002	U		0 0002	mg/L	11/12/2001	0 005
	8260B	206648-1	Trichloroethene	0 29			0 01	mg/L	11/12/2001	0 005
	8260B	206648-1	1,2-Dichloropropane	0 0002	U		0 0002	mg/L	11/12/2001	0 005
	8260B	206648-1	Dibromomethane	0 0003	U		0 0003	mg/L	11/12/2001	
	8260B	206648-1	Bromodichloromethane	0 0002	U		0 0002	mg/L	11/12/2001	0 1
	8260B	206648-1	cis-1,3-Dichloropropene	0 0002	U		0 0002	mg/L	11/12/2001	
	8260B	206648-1	Toluene	0 0002	U		0 0002	mg/L	11/12/2001	1
	8260B	206648-1	trans-1,3-Dichloropropene	0 0002	U		0 0002	mg/L	11/12/2001	
	8260B	206648-1	1,1,2-Trichloroethane	0 0003	U		0 0003	mg/L	11/12/2001	0 005
	8260B	206648-1	Tetrochloroethene	0 0006			0 0002	mg/L	11/12/2001	
	8260B	206648-1	1,3-Dichloropropane	0 0002	U		0 0002	mg/L	11/12/2001	
	8260B	206648-1	Dibromochloromethane	0 0002	U		0 0002	mg/L	11/12/2001	0 1
	8260B	206648-1	1,2-Dibromoethane (EDB)	0 0002	U		0 0002	mg/L	11/12/2001	
	8260B	206648-1	1-Chlorohexane	0 0002	U		0 0002	mg/L	11/12/2001	
	8260B	206648-1	Chlorobenzene	0 0002	U		0 0002	mg/L	11/12/2001	0 1
	8260B	206648-1	1,1,1,2-Tetrachloroethane	0 0002	U		0 0002	mg/L	11/12/2001	0 11
	8260B	206648-1	Ethylbenzene	0 0002	U		0 0002	mg/L	11/12/2001	0 7
	8260B	206648-1	m&p-Xylenes	0 0004	U		0 0004	mg/L	11/12/2001	10
	8260B	206648-1	o-Xylene	0 0002	U		0 0002	mg/L	11/12/2001	10

Sample ID	Test Method	Lab ID	Parameter	Sample Result	Q	Flags	MDL	Units	Sample Date	MSC
	8260B	206648-1	Styrene	0 0002	U		0 0002	mg/L	11/12/2001	0 1
	8260B	206648-1	Bromoform	0 0002	U		0 0002	mg/L	11/12/2001	0 1
	8260B	206648-1	Isopropylbenzene	0 0002	U		0 0002	mg/L	11/12/2001	10
	8260B	206648-1	Bromobenzene	0 0002	U		0 0002	mg/L	11/12/2001	
	8260B	206648-1	1,1,2,2-Tetrachloroethane	0 0002	U		0 0002	mg/L	11/12/2001	0 014
	8260B	206648-1	1,2,3-Trichloropropane	0 0002	U		0 0002	mg/L	11/12/2001	4 10E-05
	8260B	206648-1	n-Propylbenzene	0 0002	U		0 0002	mg/L	11/12/2001	1 02
	8260B	206648-1	2-Chlorotoluene	0 0002	U		0 0002	mg/L	11/12/2001	
	8260B	206648-1	1,3,5-Trimethylbenzene	0 0002	U		0 0002	mg/L	11/12/2001	3 1
	8260B	206648-1	4-Chlorotoluene	0 0002	U		0 0002	mg/L	11/12/2001	
	8260B	206648-1	tert-Butylbenzene	0 0002	U		0 0002	mg/L	11/12/2001	
	8260B	206648-1	1,2,4-Trimethylbenzeen	0 0002	U		0 0002	mg/L	11/12/2001	
	8260B	206648-1	sec-Butylbenzene	0 0002	U		0 0002	mg/L	11/12/2001	
	8260B	206648-1	1,3-Dichlorobenzene	0 0002	U		0 0002	mg/L	11/12/2001	0 6
	8260B	206648-1	p-Isopropyltoluene	0 0002	U		0 0002	mg/L	11/12/2001	
	8260B	206648-1	1,4-Dichlorobenzene	0 0002	U		0 0002	mg/L	11/12/2001	0 075
	8260B	206648-1	n-Butylbenzene	0 0002	U		0 0002	mg/L	11/12/2001	1 02
	8260B	206648-1	1,2-Dichlorobenzene	0 0002	U		0 0002	mg/L	11/12/2001	0 6
	8260B	206648-1	1,2-Dibromo-3-chloropropane	0 0005	U		0 0005	mg/L	11/12/2001	0 0002
	8260B	206648-1	1,2,4-Trichlorobenzene	0 0002	U		0 0002	mg/L	11/12/2001	0 07
	8260B	206648-1	Hexachlorobutadiene	0 0002	U		0 0002	mg/L	11/12/2001	0 02
	8260B	206648-1	Naphthalene	0 0003	U		0 0003	mg/L	11/12/2001	2
	8260B	206648-1	1,2,3-Trichlorobenzene	0 0002	U		0 0002	mg/L	11/12/2001	

Waste Accumulation Area Sampling - SWMU 31A Confirmatory Samples

Sample ID	Test Method	Lab ID	Parameter	Sample Result	Q	Flags	MDL	Units	Sample Date	Previous Results	RRS-1 Surface	MSC	New MSC
BEEGSWMU31AF1	7421	206129-7	Lead	12.6			1 8	mg/kg	10/17/2001	58 9	30 97	30 97	37.9
	6010B	206129-7	Cadmium	0 25	F		0 077	mg/kg	10/17/2001	0 99	0 556	1.5	
	6260B	206129-7	2-Butanone (MEK)	0 004	U		0.004	mg/kg	10/17/2001	0.019	0 005	6100	
	6260B	206129-7	Benzene	0 0007	U		0.0007	mg/kg	10/17/2001	0 009	0 002	0 5	
BEEGSWMU31AS3F	7421	206648-13	Lead	16 2			1.7	mg/kg	11/13/2001	58.9	30.97	30 97	37.9
	6010B	206648-13	Cadmium	0.18	F		0 1	mg/kg	11/13/2001	0.99	0.556	1 5	
BEEGSWMU31AN2	7421	206434-3	Lead	21 4			6 1	mg/kg	11/1/2001	58 9	30 97	30.97	37.9
	6010B	206434-3	Cadmium	0 68			0 073	mg/kg	11/1/2001	0 99	0.556	1 5	
BEEGSWMU31AE1	7421	206129-9	Lead	8 7			1.5	mg/kg	10/17/2001	58 9	30.97	30 97	37.9
	6010B	206129-9	Cadmium	0 32	F		0 089	mg/kg	10/17/2001	0 99	0 556	1 5	
BEEGSWMU31AS3E1	7421	206648-17	Lead	15 5			1 6	mg/kg	11/13/2001	58 9	30.97	30 97	37.9
	6010B	206648-17	Cadmium	0.27	F		0.11	mg/kg	11/13/2001	0 99	0 556	1 5	
BEEGSWMU31AS3W1S2	7421	207225-2	Lead	37 9			1 7	mg/kg	12/14/2001	58.9	30 97	30 97	37.9
	7421	207225-2	Lead (SPLP)	0 0069	F		0 002	mg/L	12/14/2001			0 015	
BEEGSWMU31AS3W3	7421	207225-1	Lead	23 2			1 8	mg/kg	12/14/2001	58.9	30 97	30 97	37 9
BEEGSWMU31AW2	7421	206434-4	Lead	6 5			2 9	mg/kg	11/1/2001	58.9	30 97	30.97	37 9
	6010B	206434-4	Cadmium	0.13	F		0.073	mg/kg	11/1/2001	0 99	0 556	1 5	

Waste Accumulation Area Sampling - SWMU 31A

Sample ID	Test Method	Lab ID	Parameter	Sample Result	Q	Flags	MDL	Units	Sample Date	Previous Results	RRS-1 Surface	MSC	New MSC
BEEGSWMU31AF1	7421	206129-7	Lead	12 6			1 8	mg/kg	10/17/2001	58 9	30 97	30 97	37 9
	6010B	206129-7	Cadmium	0 25	F		0 077	mg/kg	10/17/2001	0 99	0 556	1 5	
	6260B	206129-7	2-Butanone (MEK)	0 004	U		0 004	mg/kg	10/17/2001	0 019	0 005	6100	
	6260B	206129-7	Benzene	0 0007	U		0 0007	mg/kg	10/17/2001	0 009	0 002	0 5	
BEEGSWMU31AN1	7421	206129-8	Lead	631			78 6	mg/kg	10/17/2001	58 9	30 97	30 97	37 9
	6010B	206129-8	Cadmium	0 77			0 09	mg/kg	10/17/2001	0 99	0 556	1 5	
BEEGSWMU31AN2	7421	206434-3	Lead	21 4			6 1	mg/kg	11/1/2001	58 9	30 97	30 97	37 9
	6010B	206434-3	Cadmium	0 68			0 073	mg/kg	11/1/2001	0 99	0 556	1 5	
BEEGSWMU31AE1	7421	206129-9	Lead	8 7			1 5	mg/kg	10/17/2001	58 9	30 97	30 97	37 9
	6010B	206129-9	Cadmium	0 32	F		0 089	mg/kg	10/17/2001	0 99	0 556	1 5	
BEEGSWMU31AS1	7421	206129-10	Lead	40 2			7 2	mg/kg	10/17/2001	58 9	30 97	30 97	37 9
	6010B	206129-10	Cadmium	3 3			0 096	mg/kg	10/17/2001	0 99	0 556	1 5	
BEEGSWMU31AS2	7421	206434-5	Lead	800			32 9	mg/kg	11/1/2001	58 9	30 97	30 97	37 9
	6010B	206434-5	Cadmium	2 5			0 083	mg/kg	11/1/2001	0 99	0 556	1 5	
BEEGSWMU31AS3	7421	206648-16	Lead	19 2			1 3	mg/kg	11/13/2001	58 9	30 97	30 97	37 9
	6010B	206648-16	Cadmium	0 28	F		0 1	mg/kg	11/13/2001	0 99	0 556	1 5	
BEEGSWMU31AS4	7421	206947-1	Lead	55 1			7 6	mg/kg	11/29/2001	58 9	30 97	30 97	37 9
	7131A	206947-1	Cadmium	1 1			0 15	mg/kg	11/29/2001	0 99	0 556	1 5	
BEEGSWMU31AS3F	7421	206648-13	Lead	16 2			1 7	mg/kg	11/13/2001	58 9	30 97	30 97	37 9
	6010B	206648-13	Cadmium	0 18	F		0 1	mg/kg	11/13/2001	0 99	0 556	1 5	
BEEGSWMU31AS3E1	7421	206648-17	Lead	15 5			1 6	mg/kg	11/13/2001	58 9	30 97	30 97	37 9
	6010B	206648-17	Cadmium	0 27	F		0 11	mg/kg	11/13/2001	0 99	0 556	1 5	
BEEGSWMU31AS3W1	7421	206648-14	Lead	50			8 6	mg/kg	11/13/2001	58 9	30 97	30 97	37 9
	7421	206883-7	Lead (SPLP)	0 0228			0 002	mg/L	11/13/2001			0 015	
	6010B	206648-14	Cadmium	0 63			0 1	mg/kg	11/13/2001	0 99	0 556	1 5	
BEEGSWMU31AS3W2	7421	207068-1	Lead	50 3			3 3	mg/kg	12/5/2001	58 9	30 97	30 97	37 9
	7131A	207068-1	Cadmium	0 62			0 17	mg/kg	12/5/2001	0 99	0 556	1 5	
BEEGSWMU31AS3W3	7421	207225-1	Lead	23 2			1 8	mg/kg	12/14/2001	58 9	30 97	30 97	37 9
BEEGSWMU31AS3W1S1	7421	207068-2	Lead	72 7			8 8	mg/kg	12/5/2001	58 9	30 97	30 97	37 9
	7131A	207068-2	Cadmium	1 2			0 18	mg/kg	12/5/2001	0 99	0 556	1 5	
BEEGSWMU31AS3W1S2	7421	207225-2	Lead	37 9			1 7	mg/kg	12/14/2001	58 9	30 97	30 97	37 9
	7421	207225-2	Lead (SPLP)	0 0069	F		0 002	mg/L	12/14/2001			0 015	
BEEGSWMU31AW1	7421	206129-11	Lead	97 3			7 3	mg/kg	10/17/2001	58 9	30 97	30 97	37 9
	6010B	206129-11	Cadmium	6			0 1	mg/kg	10/17/2001	0 99	0 556	1 5	
BEEGSWMU31AW2	7421	206434-4	Lead	6 5			2 9	mg/kg	11/1/2001	58 9	30 97	30 97	37 9
	6010B	206434-4	Cadmium	0 13	F		0 073	mg/kg	11/1/2001	0 99	0 556	1 5	

Waste Accumulation Area Sampling - SWMU 31B

Sample ID	Test Method	Lab ID	Parameter	Sample Result	Q	Flags	MDL	Units	Sample Date	Previous Results	RRS-1 Surface	MSC	NEW MSC
BEEGSWMU31BF1	7421	206129-1	Lead	16 1			1 6	mg/kg	10/17/2001	159	30 97	44 4	
	7471A	206129-1	Mercury	0 0078	F		0 0061	mg/kg	10/17/2001	0 14	0 2	0 57	
	6010B	206129-1	Barium	101			0 074	mg/kg	10/17/2001	506	128 1	506	
	6010B	206129-1	Cadmium	0 32	F		0 08	mg/kg	10/17/2001	1 5	0 556	1 5	1 7
	6010B	206129-1	Chromium	17 5			0 13	mg/kg	10/17/2001	40 6	25 86	40 6	
	6010B	206129-1	Zinc	28 3			0 59	mg/kg	10/17/2001	123	38 8	3100	
BEEGSWMU31DUP1	7421	206129-2	Lead	18 1			1 5	mg/kg	10/17/2001	159	30 97	44 4	
	7471A	206129-2	Mercury	0 0096	F		0 0062	mg/kg	10/17/2001	0 14	0 2	0 57	
	6010B	206129-2	Barium	97 8			0 075	mg/kg	10/17/2001	506	128 1	506	
	6010B	206129-2	Cadmium	0 29	F		0 08	mg/kg	10/17/2001	1 5	0 556	1 5	1 7
	6010B	206129-2	Chromium	15 7			0 13	mg/kg	10/17/2001	40 6	25 86	40 6	
	6010B	206129-2	Zinc	24	F		0 59	mg/kg	10/17/2001	123	38 8	3100	
BEEGSWMU31BN1	7421	206129-3	Lead	11 9			1 7	mg/kg	10/17/2001	159	30 97	44 4	
	7471A	206129-3	Mercury	0 016	F		0 0061	mg/kg	10/17/2001	0 14	0 2	0 57	
	6010B	206129-3	Barium	45 9			0 087	mg/kg	10/17/2001	506	128 1	506	
	6010B	206129-3	Cadmium	0 44	F		0 094	mg/kg	10/17/2001	1 5	0 556	1 5	1 7
	6010B	206129-3	Chromium	14 5			0 15	mg/kg	10/17/2001	40 6	25 86	40 6	
	6010B	206129-3	Zinc	30			0 69	mg/kg	10/17/2001	123	38 8	3100	
BEEGSWMU31BE1	7421	206129-4	Lead	130			7 7	mg/kg	10/17/2001	159	30 97	44 4	
	7471A	206129-4	Mercury	0 043	F		0 0062	mg/kg	10/17/2001	0 14	0 2	0 57	
	6010B	206129-4	Barium	49 1			0 095	mg/kg	10/17/2001	506	128 1	506	
	6010B	206129-4	Cadmium	6 6			0 1	mg/kg	10/17/2001	1 5	0 556	1 5	1 7
	6010B	206129-4	Chromium	19 9			0 17	mg/kg	10/17/2001	40 6	25 86	40 6	
	6010B	206129-4	Zinc	65 5			0 76	mg/kg	10/17/2001	123	38 8	3100	
BEEGSWMU31BE2	7421	206434-2	Lead	294			36 3	mg/kg	11/1/2001	159	30 97	44 4	
	6010B	206434-2	Cadmium	4 7			0 085	mg/kg	11/1/2001	1 5	0 556	1 5	1 7
	6010B	206434-2	Zinc	87 1			0 63	mg/kg	11/1/2001	123	38 8	3100	
BEEGSWMU31BE3	7421	206648-19	Lead	22 9			3	mg/kg	11/13/2001	159	30 97	44 4	
	6010B	206648-19	Barium	91 6			0 088	mg/kg	11/13/2001	506	128 1	506	
	6010B	206648-19	Cadmium	0 31	F		0 095	mg/kg	11/13/2001	1 5	0 556	1 5	1 7
	6010B	206648-19	Chromium	15 7			0 15	mg/kg	11/13/2001	40 6	25 86	40 6	
	6010B	206648-19	Zinc	26	F		0 7	mg/kg	11/13/2001	123	38 8	3100	
BEEGSWMU31BE3F	7421	206648-18	Lead	12 6			1 6	mg/kg	11/13/2001	159	30 97	44 4	
	6010B	206648-18	Barium	98 6			0 094	mg/kg	11/13/2001	506	128 1	506	
	6010B	206648-18	Cadmium	0 48	F		0 1	mg/kg	11/13/2001	1 5	0 556	1 5	1 7
	6010B	206648-18	Chromium	16 3			0 16	mg/kg	11/13/2001	40 6	25 86	40 6	
	6010B	206648-18	Zinc	27 5	F		0 75	mg/kg	11/13/2001	123	38 8	3100	
BEEGSWMU31BE3N1	7421	206648-15	Lead	40 9			1 6	mg/kg	11/13/2001	159	30 97	44 4	
	6010B	206648-15	Barium	200			0 09	mg/kg	11/13/2001	506	128 1	506	
	6010B	206648-15	Cadmium	1 7			0 097	mg/kg	11/13/2001	1 5	0 556	1 5	1 7
	6010B	206648-15	Chromium	12 3			0 16	mg/kg	11/13/2001	40 6	25 86	40 6	
	6010B	206648-15	Zinc	38 9			0 71	mg/kg	11/13/2001	123	38 8	3100	
BEEGSWMU31BE3S1	7421	206648-12	Lead	58 1			8 2	mg/kg	11/13/2001	159	30 97	44 4	
	7421	206883-6	Lead (SPLP)	0 071			0 01	mg/L	11/13/2001			0 015	
	6010B	206648-12	Barium	37 2	F		0 091	mg/kg	11/13/2001	506	128 1	506	
	6010B	206648-12	Cadmium	1 2			0 098	mg/kg	11/13/2001	1 5	0 556	1 5	1 7
	6010B	206648-12	Chromium	11 3			0 16	mg/kg	11/13/2001	40 6	25 86	40 6	
	6010B	206648-12	Zinc	37 5			0 72	mg/kg	11/13/2001	123	38 8	3100	
BEEGSWMU31BE3S2	7421	207068-4	Lead	58 9			3 5	mg/kg	12/5/2001	159	30 97	44 4	
	7131A	207068-4	Cadmium	1 1			0 17	mg/kg	12/5/2001	1 5	0 556	1 5	1 7
BEEGSWMU31BE3S3	7421	207495-2	Lead	126			7 1	mg/kg	1/2/2002	159	30 97	44 4	
BEEGSWMU31BE3S4	7421	207654-1	Lead	112			7 3	mg/kg	1/10/2002	159	30 97	44 4	
BEEGSWMU31BE3S5	7421	207753-1	Lead	15 1			1 6	mg/kg	1/17/2002	159	30 97	44 4	
BEEGSWMU31BE3S1E1	7421	207068-5	Lead	60.2			3 3	mg/kg	12/5/2001	159	30 97	44 4	
	7131A	207068-5	Cadmium	1 2			0 17	mg/kg	12/5/2001	1 5	0 556	1 5	1 7
BEEGSWMU31BE3S1E2	7421	207495-1	Lead	94.5			8 3	mg/kg	1/2/2002	159	30 97	44 4	

Waste Accumulation Area Sampling - SWMU 31B

Sample ID	Test Method	Lab ID	Parameter	Sample Result	Q	Flags	MDL	Units	Sample Date	Previous Results	RRS-1 Surface	MSC	NEW MSC
BEEGSWMU31BE3S1E3	7421	207654-2	Lead	97.5			7 4	mg/kg	1/10/2002	159	30 97	44 4	
BEEGSWMU31BE3S1E4	7421	207753-2	Lead	2 9			0 16	mg/kg	1/17/2002	159	30 97	44 4	
BEEGSWMU31BS1	7421	206129-5	Lead	157			8 2	mg/kg	10/17/2001	159	30 97	44 4	
	7471A	206129-5	Mercury	0 12	F		0 0058	mg/kg	10/17/2001	0 14	0 2	0 57	
	6010B	206129-5	Barium	174			0 088	mg/kg	10/17/2001	506	128 1	506	
	6010B	206129-5	Cadmium	6 2			0 094	mg/kg	10/17/2001	1 5	0 556	1 5	1 7
	6010B	206129-5	Chromium	54 3			0 15	mg/kg	10/17/2001	40 6	25 86	40 6	
	6010B	206129-5	Zinc	65 4			0 7	mg/kg	10/17/2001	123	38 8	3100	
BEEGSWMU31BS2	7421	206434-1	Lead	178			27 6	mg/kg	11/1/2001	159	30 97	44 4	
	6010B	206434-1	Barium	501			0 067	mg/kg	11/1/2001	506	128 1	506	
	6010B	206434-1	Cadmium	6 5			0 072	mg/kg	11/1/2001	1 5	0 556	1 5	1 7
	6010B	206434-1	Chromium	37			0 12	mg/kg	11/1/2001	40 6	25 86	40 6	
	6010B	206434-1	Zinc	77 4			0 53	mg/kg	11/1/2001	123	38 8	3100	
BEEGSWMU31BS3	7421	207068-3	Lead	42 6			2 8	mg/kg	12/5/2001	159	30 97	44 4	
	7131A	207068-3	Cadmium	1 7			0 07	mg/kg	12/5/2001	1 5	0 556	1 5	1 7
	7131A	207558-1	Cadmium (SPLP)	0 0015	F		0 0005	mg/L	12/5/2001			0 005	
BEEGSWMU31BW1	7421	206129-6	Lead	14 4			1 4	mg/kg	10/17/2001	159	30 97	44 4	
	7471A	206129-6	Mercury	0 016	F		0 0061	mg/kg	10/17/2001	0 14	0 2	0 57	
	6010B	206129-6	Barium	33 2	F		0 088	mg/kg	10/17/2001	506	128 1	506	
	6010B	206129-6	Cadmium	0 7			0 095	mg/kg	10/17/2001	1 5	0 556	1 5	1 7
	6010B	206129-6	Chromium	10 4			0 15	mg/kg	10/17/2001	40 6	25 86	40 6	
	6010B	206129-6	Zinc	31 4			0 7	mg/kg	10/17/2001	123	38 8	3100	

Waste Accumulation Area Sampling - SWMU 31B Confirmatory Samples

Sample ID	Test Method	Lab ID	Parameter	Sample Result	Q	Flags	MDL	Units	Sample Date	Previous Results	RRS-1 Surface	MSC	NEW MSC
BEEGSWMU31BF1	7421	206129-1	Lead	16.1			1.6	mg/kg	10/17/2001	159	30 97	44.4	
	7471A	206129-1	Mercury	0 0078	F		0 0061	mg/kg	10/17/2001	0.14	0.2	0 57	
	6010B	206129-1	Barium	101			0 074	mg/kg	10/17/2001	506	128 1	506	
	6010B	206129-1	Cadmium	0 32	F		0.08	mg/kg	10/17/2001	1.5	0 556	1 5	1.7
	6010B	206129-1	Chromium	17 5			0 13	mg/kg	10/17/2001	40.6	25.86	40.6	
	6010B	206129-1	Zinc	28 3			0 59	mg/kg	10/17/2001	123	38.8	3100	
BEEGSWMU31BE3F	7421	206648-18	Lead	12.6			1.6	mg/kg	11/13/2001	159	30.97	44.4	
	6010B	206648-18	Barium	98 6			0.094	mg/kg	11/13/2001	506	128 1	506	
	6010B	206648-18	Cadmium	0.48	F		0 1	mg/kg	11/13/2001	1.5	0 556	1 5	1.7
	6010B	206648-18	Chromium	16 3			0.16	mg/kg	11/13/2001	40 6	25 86	40 6	
	6010B	206648-18	Zinc	27 5	F		0.75	mg/kg	11/13/2001	123	38 8	3100	
BEEGSWMU31BE3N1	7421	206648-15	Lead	40 9			1 6	mg/kg	11/13/2001	159	30 97	44 4	
	6010B	206648-15	Barium	200			0 09	mg/kg	11/13/2001	506	128.1	506	
	6010B	206648-15	Cadmium	1.7			0.097	mg/kg	11/13/2001	1 5	0.556	1.5	1 7
	6010B	206648-15	Chromium	12 3			0 16	mg/kg	11/13/2001	40 6	25 86	40 6	
	6010B	206648-15	Zinc	38.9			0 71	mg/kg	11/13/2001	123	38.8	3100	
BEEGSWMU31BE3S1E4	7421	207753-2	Lead	2 9			0 16	mg/kg	1/17/2002	159	30 97	44.4	
BEEGSWMU31BE3S5	7421	207753-1	Lead	15 1			1.6	mg/kg	1/17/2002	159	30.97	44.4	
BEEGSWMU31BW1	7421	206129-6	Lead	14.4			1 4	mg/kg	10/17/2001	159	30.97	44 4	
	7471A	206129-6	Mercury	0 016	F		0 0061	mg/kg	10/17/2001	0.14	0 2	0.57	
	6010B	206129-6	Barium	33 2	F		0.088	mg/kg	10/17/2001	506	128 1	506	
	6010B	206129-6	Cadmium	0 7			0 095	mg/kg	10/17/2001	1 5	0 556	1 5	1.7
	6010B	206129-6	Chromium	10 4			0 15	mg/kg	10/17/2001	40.6	25 86	40 6	
	6010B	206129-6	Zinc	31.4			0.7	mg/kg	10/17/2001	123	38 8	3100	

Waste Accumulation Area Sampling - SWMU 61

Sample ID	Test Method	Lab ID	Parameter	Sample Result	Q	Flags	MDL	Units	Sample Date	Previous Results	RRS-1 Surface	MSC
BEEGSWMU6101 (Floor)	8260B	206097-1	cis-1,2-Dichloroethene	0 013			0 001	mg/kg	10/16/2001	0 073J	0 005	7
	8260B	206097-1	Benzene	0 0006	U		0 0006	mg/kg	10/16/2001	0 005J	0 002	0 5
	8260B	206097-1	Ethylbenzene	0 009			0 0009	mg/kg	10/16/2001	0 024J	0 003	70
	8260B	206097-1	Fluorene	NA				mg/kg	10/16/2001	0 034F	0 33	410
	8260B	206097-1	m- & p-Xylene	0 029			0 002	mg/kg	10/16/2001	0 054J	0 005	1000
	8260B	206097-1	o-Xylene	0 015			0 0008	mg/kg	10/16/2001	0 028	0 005	1000
	8260B	206097-1	Tetrachloroethene (PCE)	0 094			0 0006	mg/kg	10/16/2001	4 9J	0 005	0 5
	8260B	206097-1	Toluene	0 015			0 0008	mg/kg	10/16/2001	0 094J	0 005	100
	8260B	206097-1	Trichloroethene (TCE)	0 0005	U		0 0005	mg/kg	10/16/2001	0 077J	0 005	0 5
	TX1005	206098-1	TPH	ND			50	mg/kg	10/16/2001	8530	60	500
	TX1005	206098-1	GRO (Gasoline Range)	ND			50	mg/kg	10/16/2001			
	TX1005	206098-1	PHC (Diesel Range)	ND			50	mg/kg	10/16/2001	8470	60	500
BEEGSWMU61DUP01 (Floor)	8260B	206097-2	cis-1,2-Dichloroethene	0 016			0 001	mg/kg	10/16/2001	0 073J	0 005	7
	8260B	206097-2	Benzene	0 0006	U		0 0006	mg/kg	10/16/2001	0 005J	0 002	0 5
	8260B	206097-2	Ethylbenzene	0 009			0 0009	mg/kg	10/16/2001	0 024J	0 003	70
	8260B	206097-2	Fluorene	NA				mg/kg	10/16/2001	0 034F	0 33	410
	8260B	206097-2	m- & p-Xylene	0 031			0 002	mg/kg	10/16/2001	0 054J	0 005	1000
	8260B	206097-2	o-Xylene	0 015			0 0008	mg/kg	10/16/2001	0 028	0 005	1000
	8260B	206097-2	Tetrachloroethene (PCE)	0 17			0 0006	mg/kg	10/16/2001	4 9J	0 005	0 5
	8260B	206097-2	Toluene	0 018			0 0009	mg/kg	10/16/2001	0 094J	0 005	100
	8260B	206097-2	Trichloroethene (TCE)	0 0005	U		0 0005	mg/kg	10/16/2001	0 077J	0 005	0 5
	TX1005	206098-2	TPH	ND			50	mg/kg	10/16/2001	8530	60	500
	TX1005	206098-2	GRO (Gasoline Range)	ND			50	mg/kg	10/16/2001			
	TX1005	206098-2	PHC (Diesel Range)	ND			50	mg/kg	10/16/2001	8470	60	500
BEEGSWMU6106F2 (Floor)	8260B	206972-1	cis-1,2-Dichloroethene	0 001	U		0 001	mg/kg	12/3/2001	0 073J	0 005	7
	8260B	206972-1	Benzene	0 0005	U		0 0005	mg/kg	12/3/2001	0 005J	0 002	0 5
	8260B	206972-1	Ethylbenzene	0 0009	U		0 0009	mg/kg	12/3/2001	0 024J	0 003	70
	8260B	206972-1	Fluorene	NA				mg/kg	12/3/2001	0 034F	0 33	410
	8260B	206972-1	m- & p-Xylene	0 002	U		0 002	mg/kg	12/3/2001	0 054J	0 005	1000
	8260B	206972-1	o-Xylene	0 0007	U		0 0007	mg/kg	12/3/2001	0 028	0 005	1000
	8260B	206972-1	Tetrachloroethene (PCE)	0 006			0 0005	mg/kg	12/3/2001	4 9J	0 005	0 5
	8260B	206972-1	Toluene	0 0008	U		0 0008	mg/kg	12/3/2001	0 094J	0 005	100
	8260B	206972-1	Trichloroethene (TCE)	0 0005	U		0 0005	mg/kg	12/3/2001	0 077J	0 005	0 5
	TX1005	206972-1	TPH					mg/kg	12/3/2001	8530	60	500
	TX1005	206972-1	GRO (Gasoline Range)					mg/kg	12/3/2001			
	TX1005	206972-1	PHC (Diesel Range)					mg/kg	12/3/2001	8470	60	500
BEEGSWMU6102 (North)	8260B	206097-3	cis-1,2-Dichloroethene	0 011			0 001	mg/kg	10/16/2001	0 073J	0 005	7
	8260B	206097-3	Benzene	0 0006	U		0 0006	mg/kg	10/16/2001	0 005J	0 002	0 5
	8260B	206097-3	Ethylbenzene	0 001	U		0 001	mg/kg	10/16/2001	0 024J	0 003	70
	8260B	206097-3	Fluorene	NA				mg/kg	10/16/2001	0 034F	0 33	410
	8260B	206097-3	m- & p-Xylene	0 002	U		0 002	mg/kg	10/16/2001	0.054J	0 005	1000
	8260B	206097-3	o-Xylene	0 0008	U		0 0008	mg/kg	10/16/2001	0 028	0 005	1000
	8260B	206097-3	Tetrachloroethene (PCE)	0 004			0 0006	mg/kg	10/16/2001	4 9J	0 005	0 5
	8260B	206097-3	Toluene	0 0009	U		0 0009	mg/kg	10/16/2001	0 094J	0 005	100
	8260B	206097-3	Trichloroethene (TCE)	0 0005	U		0 0005	mg/kg	10/16/2001	0 077J	0 005	0 5
	TX1005	206098-3	TPH	ND			50	mg/kg	10/16/2001	8530	60	500
	TX1005	206098-3	GRO (Gasoline Range)	ND			50	mg/kg	10/16/2001			
	TX1005	206098-3	PHC (Diesel Range)	ND			50	mg/kg	10/16/2001	8470	60	500
BEEGSWMU6103 (East)	8260B	206097-4	cis-1,2-Dichloroethene	0 001	U		0 001	mg/kg	10/16/2001	0 073J	0 005	7
	8260B	206097-4	Benzene	0 0006	U		0 0006	mg/kg	10/16/2001	0 005J	0 002	0 5
	8260B	206097-4	Ethylbenzene	0 001	U		0 001	mg/kg	10/16/2001	0 024J	0 003	70
	8260B	206097-4	Fluorene	NA				mg/kg	10/16/2001	0 034F	0 33	410
	8260B	206097-4	m- & p-Xylene	0 002	U		0 002	mg/kg	10/16/2001	0 054J	0 005	1000
	8260B	206097-4	o-Xylene	0 0008	U		0 0008	mg/kg	10/16/2001	0 028	0 005	1000
	8260B	206097-4	Tetrachloroethene (PCE)	0 0006	U		0 0006	mg/kg	10/16/2001	4 9J	0 005	0 5
	8260B	206097-4	Toluene	0 0009	U		0 0009	mg/kg	10/16/2001	0 094J	0 005	100
	8260B	206097-4	Trichloroethene (TCE)	0 0005	U		0 0005	mg/kg	10/16/2001	0 077J	0 005	0 5
	TX1005	206098-4	TPH	ND			50	mg/kg	10/16/2001	8530	60	500
	TX1005	206098-4	GRO (Gasoline Range)	ND			50	mg/kg	10/16/2001			
	TX1005	206098-4	PHC (Diesel Range)	ND			50	mg/kg	10/16/2001	8470	60	500
BEEGSWMU6104	8260B	206129-12	cis-1,2-Dichloroethene	0 001	U		0 001	mg/kg	10/17/2001	0 073J	0 005	7

Waste Accumulation Area Sampling - SWMU 61

Sample ID	Test Method	Lab ID	Parameter	Sample Result	Q	Flags	MDL	Units	Sample Date	Previous Results	RRS-1 Surface	MSC
(South)	8260B	206129-12	Benzene	0 0006	U		0 0006	mg/kg	10/17/2001	0 005J	0 002	0 5
	8260B	206129-12	Ethylbenzene	0 001	U		0 001	mg/kg	10/17/2001	0 024J	0 003	70
	8260B	206129-12	Fluorene	NA				mg/kg	10/17/2001	0 034F	0 33	410
	8260B	206129-12	m- & p-Xylene	0 002	U		0 002	mg/kg	10/17/2001	0 054J	0 005	1000
	8260B	206129-12	o-Xylene	0 0008	U		0 0008	mg/kg	10/17/2001	0 028	0 005	1000
	8260B	206129-12	Tetrachloroethene (PCE)	0 0006	U		0 0006	mg/kg	10/17/2001	4 9J	0 005	0 5
	8260B	206129-12	Toluene	0 0009	U		0 0009	mg/kg	10/17/2001	0 094J	0 005	100
	8260B	206129-12	Trichloroethene (TCE)	0 0005	U		0 0005	mg/kg	10/17/2001	0 077J	0 005	0 5
	TX1005	206134-1	TPH	ND			50	mg/kg	10/17/2001	8530	60	500
	TX1005	206134-1	GRO (Gasoline Range)	ND			50	mg/kg	10/17/2001			
	TX1005	206134-1	PHC (Diesel Range)	ND			50	mg/kg	10/17/2001	8470	60	500
BEEGSWMU6105 (West)	8260B	206097-5	*cis*-1,2-Dichloroethene	0 001	U		0 001	mg/kg	10/16/2001	0 073J	0 005	7
	8260B	206097-5	Benzene	0 0006	U		0 0006	mg/kg	10/16/2001	0 005J	0 002	0 5
	8260B	206097-5	Ethylbenzene	0 001	F	A	0 0009	mg/kg	10/16/2001	0 024J	0 003	70
	8260B	206097-5	Fluorene	NA				mg/kg	10/16/2001	0 034F	0 33	410
	8260B	206097-5	m- & p-Xylene	0 004	F	A	0 002	mg/kg	10/16/2001	0 054J	0 005	1000
	8260B	206097-5	o-Xylene	0 003	F	A	0 0008	mg/kg	10/16/2001	0 028	0 005	1000
	8260B	206097-5	Tetrachloroethene (PCE)	0 0006	U		0 0006	mg/kg	10/16/2001	4 9J	0 005	0 5
	8260B	206097-5	Toluene	0 0009	U		0 0009	mg/kg	10/16/2001	0 094J	0 005	100
	8260B	206097-5	Trichloroethene (TCE)	0 0005	U		0 0005	mg/kg	10/16/2001	0 077J	0 005	0 5
	TX1005	206098-5	TPH	ND			50	mg/kg	10/16/2001	8530	60	500
	TX1005	206098-5	GRO (Gasoline Range)	ND			50	mg/kg	10/16/2001			
	TX1005	206098-5	PHC (Diesel Range)	ND			50	mg/kg	10/16/2001	8470	60	500

Waste Accumulation Area Sampling - SWMU 61 Confirmatory Samples

Sample ID	Test Method	Lab ID	Parameter	Sample Result	Q	Flags	MDL	Units	Sample Date	Previous Results	RRS-1 Surface	MSC
BEEGSWMU6101F1 (Floor)	8260B	206097-1	*cis*-1,2-Dichloroethene	0 013			0.001	mg/kg	10/16/2001	0.073J	0 005	7
	8260B	206097-1	Benzene	0 0006	U		0.0006	mg/kg	10/16/2001	0 005J	0 002	0 5
	8260B	206097-1	Ethylbenzene	0.009			0 0009	mg/kg	10/16/2001	0.024J	0.003	70
	8260B	206097-1	Fluorene	NA				mg/kg	10/16/2001	0 034F	0 33	410
	8260B	206097-1	m- & p-Xylene	0.029			0 002	mg/kg	10/16/2001	0 054J	0.005	1000
	8260B	206097-1	o-Xylene	0 015			0 0008	mg/kg	10/16/2001	0 028	0 005	1000
	8260B	206097-1	Tetrachloroethene (PCE)	0 094			0 0006	mg/kg	10/16/2001	4.9J	0.005	0 5
	8260B	206097-1	Toluene	0 015			0 0008	mg/kg	10/16/2001	0 094J	0 005	100
	8260B	206097-1	Trichloroethene (TCE)	0 0005	U		0 0005	mg/kg	10/16/2001	0 077J	0 005	0.5
	TX1005	206098-1	TPH	ND			50	mg/kg	10/16/2001	8530	60	500
	TX1005	206098-1	GRO (Gasoline Range)	ND			50	mg/kg	10/16/2001			
	TX1005	206098-1	PHC (Diesel Range)	ND			50	mg/kg	10/16/2001	8470	60	500
BEEGSWMU6106F2 (Floor)	8260B	206972-1	*cis*-1,2-Dichloroethene	0 001	U		0.001	mg/kg	12/3/2001	0 073J	0 005	7
	8260B	206972-1	Benzene	0 0005	U		0 0005	mg/kg	12/3/2001	0 005J	0 002	0.5
	8260B	206972-1	Ethylbenzene	0 0009	U		0 0009	mg/kg	12/3/2001	0 024J	0 003	70
	8260B	206972-1	Fluorene	NA				mg/kg	12/3/2001	0 034F	0 33	410
	8260B	206972-1	m- & p-Xylene	0 002	U		0 002	mg/kg	12/3/2001	0 054J	0 005	1000
	8260B	206972-1	o-Xylene	0.0007	U		0 0007	mg/kg	12/3/2001	0.028	0 005	1000
	8260B	206972-1	Tetrachloroethene (PCE)	0.006			0 0005	mg/kg	12/3/2001	4 9J	0 005	0.5
	8260B	206972-1	Toluene	0 0008	U		0 0008	mg/kg	12/3/2001	0 094J	0 005	100
	8260B	206972-1	Trichloroethene (TCE)	0 0005	U		0 0005	mg/kg	12/3/2001	0 077J	0 005	0 5
	TX1005	206972-1	TPH	ND			50	mg/kg	12/3/2001	8530	60	500
	TX1005	206972-1	GRO (Gasoline Range)	ND			50	mg/kg	12/3/2001			
	TX1005	206972-1	PHC (Diesel Range)	ND			50	mg/kg	12/3/2001	8470	60	500
BEEGSWMU6102 (North)	8260B	206097-3	*cis*-1,2-Dichloroethene	0 011			0.001	mg/kg	10/16/2001	0.073J	0 005	7
	8260B	206097-3	Benzene	0 0006	U		0 0006	mg/kg	10/16/2001	0 005J	0 002	0 5
	8260B	206097-3	Ethylbenzene	0 001	U		0 001	mg/kg	10/16/2001	0 024J	0 003	70
	8260B	206097-3	Fluorene	NA				mg/kg	10/16/2001	0 034F	0.33	410
	8260B	206097-3	m- & p-Xylene	0.002	U		0 002	mg/kg	10/16/2001	0.054J	0.005	1000
	8260B	206097-3	o-Xylene	0 0008	U		0 0008	mg/kg	10/16/2001	0 028	0 005	1000
	8260B	206097-3	Tetrachloroethene (PCE)	0 004			0 0006	mg/kg	10/16/2001	4.9J	0.005	0 5
	8260B	206097-3	Toluene	0 0009	U		0 0009	mg/kg	10/16/2001	0 094J	0 005	100
	8260B	206097-3	Trichloroethene (TCE)	0 0005	U		0 0005	mg/kg	10/16/2001	0.077J	0 005	0.5
	TX1005	206098-3	TPH	ND			50	mg/kg	10/16/2001	8530	60	500
	TX1005	206098-3	GRO (Gasoline Range)	ND			50	mg/kg	10/16/2001			
	TX1005	206098-3	PHC (Diesel Range)	ND			50	mg/kg	10/16/2001	8470	60	500

Sample ID	Test Method	Lab ID	Parameter	Sample Result	Q	Flags	MDL	Units	Sample Date	Previous Results	RRS-1 Surface	MSC
BEEGSWMU6103 (East)	8260B	206097-4	*cis*-1,2-Dichloroethene	0.001	U		0.001	mg/kg	10/16/2001	0 073J	0 005	7
	8260B	206097-4	Benzene	0 0006	U		0 0006	mg/kg	10/16/2001	0 005J	0 002	0.5
	8260B	206097-4	Ethylbenzene	0 001	U		0 001	mg/kg	10/16/2001	0 024J	0.003	70
	8260B	206097-4	Fluorene	NA				mg/kg	10/16/2001	0 034F	0.33	410
	8260B	206097-4	m- & p-Xylene	0 002	U		0 002	mg/kg	10/16/2001	0 054J	0 005	1000
	8260B	206097-4	o-Xylene	0.0008	U		0 0008	mg/kg	10/16/2001	0.028	0 005	1000
	8260B	206097-4	Tetrachloroethene (PCE)	0 0006	U		0.0006	mg/kg	10/16/2001	4.9J	0 005	0.5
	8260B	206097-4	Toluene	0 0009	U		0 0009	mg/kg	10/16/2001	0 094J	0 005	100
	8260B	206097-4	Trichloroethene (TCE)	0 0005	U		0 0005	mg/kg	10/16/2001	0 077J	0.005	0.5
	TX1005	206098-4	TPH	ND			50	mg/kg	10/16/2001	8530	60	500
	TX1005	206098-4	GRO (Gasoline Range)	ND			50	mg/kg	10/16/2001			
	TX1005	206098-4	PHC (Diesel Range)	ND			50	mg/kg	10/16/2001	8470	60	500
BEEGSWMU6104 (South)	8260B	206129-12	*cis*-1,2-Dichloroethene	0 001	U		0 001	mg/kg	10/17/2001	0 073J	0 005	7
	8260B	206129-12	Benzene	0 0006	U		0 0006	mg/kg	10/17/2001	0 005J	0.002	0.5
	8260B	206129-12	Ethylbenzene	0.001	U		0 001	mg/kg	10/17/2001	0.024J	0.003	70
	8260B	206129-12	Fluorene	NA				mg/kg	10/17/2001	0 034F	0 33	410
	8260B	206129-12	m- & p-Xylene	0 002	U		0.002	mg/kg	10/17/2001	0 054J	0 005	1000
	8260B	206129-12	o-Xylene	0.0008	U		0.0008	mg/kg	10/17/2001	0 028	0 005	1000
	8260B	206129-12	Tetrachloroethene (PCE)	0 0006	U		0 0006	mg/kg	10/17/2001	4 9J	0 005	0 5
	8260B	206129-12	Toluene	0 0009	U		0 0009	mg/kg	10/17/2001	0 094J	0 005	100
	8260B	206129-12	Trichloroethene (TCE)	0 0005	U		0.0005	mg/kg	10/17/2001	0 077J	0 005	0 5
	TX1005	206134-1	TPH	ND			50	mg/kg	10/17/2001	8530	60	500
	TX1005	206134-1	GRO (Gasoline Range)	ND			50	mg/kg	10/17/2001			
	TX1005	206134-1	PHC (Diesel Range)	ND			50	mg/kg	10/17/2001	8470	60	500
BEEGSWMU6105 (West)	8260B	206097-5	*cis*-1,2-Dichloroethene	0 001	U		0 001	mg/kg	10/16/2001	0 073J	0 005	7
	8260B	206097-5	Benzene	0.0006	U		0 0006	mg/kg	10/16/2001	0 005J	0 002	0 5
	8260B	206097-5	Ethylbenzene	0 001	F	A	0 0009	mg/kg	10/16/2001	0 024J	0 003	70
	8260B	206097-5	Fluorene	NA				mg/kg	10/16/2001	0 034F	0.33	410
	8260B	206097-5	m- & p-Xylene	0 004	F	A	0 002	mg/kg	10/16/2001	0 054J	0 005	1000
	8260B	206097-5	o-Xylene	0 003	F	A	0.0008	mg/kg	10/16/2001	0 028	0 005	1000
	8260B	206097-5	Tetrachloroethene (PCE)	0 0006	U		0 0006	mg/kg	10/16/2001	4 9J	0 005	0.5
	8260B	206097-5	Toluene	0.0009	U		0 0009	mg/kg	10/16/2001	0 094J	0 005	100
	8260B	206097-5	Trichloroethene (TCE)	0.0005	U		0 0005	mg/kg	10/16/2001	0 077J	0.005	0 5
	TX1005	206098-5	TPH	ND			50	mg/kg	10/16/2001	8530	60	500
	TX1005	206098-5	GRO (Gasoline Range)	ND			50	mg/kg	10/16/2001			
	TX1005	206098-5	PHC (Diesel Range)	ND			50	mg/kg	10/16/2001	8470	60	500

Waste Accumulation Area Sampling - SWMU 61 Monitoring Wells

Sample ID	Test Method	Lab ID	Parameter	Sample Result	Q	Flags	MDL	Units	Sample Date	Previous Results	RRS-1 Surface	MSC
WHGLTA034	8260B	206741-1	Trichloroethene	0.2	U		0.2	ug/L	11/16/2001			
	8260B	206741-1	Tetrachloroethene	0 2	U		0.2	ug/L	11/16/2001			
WHGLTA035	8260B	206741-2	Trichloroethene	0.2	U		0.2	ug/L	11/16/2001			
	8260B	206741-2	Tetrachloroethene	0.2	U		0.2	ug/L	11/16/2001			
SD1305	8260B	206741-3	Trichloroethene	0 2	U		0.2	ug/L	11/16/2001			
	8260B	206741-3	Tetrachloroethene	0.2	U		0 2	ug/L	11/16/2001			

TAB

APPENDIX D

APPENDIX D

Survey Data

Table D.1
RFI Survey Points
Surveyed by Baird, Hampton, Brown
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Location	Northing	Easting	Ground Surface Elevation	Top of Casing Elevation
BHGLSWMU05001	6967981.130	2297803 520	602.22	
BHGLSWMU05002	6967964.600	2297802.620	602.15	
BHGLSWMU05003	6967975.330	2297823.290	602.53	
BHGLSWMU05004	6967952.717	2297803.508	601.90	
BHGLSWMU05005	6967960.386	2297820.562	602.50	
BHGLSWMU05006	6967979 796	2297834.497	602.74	
BHGLSWMU05007	6967924.50	2297789.12	602.89	
BHGLSWMU06001	6968000.000	2297797.540	602.59	
BHGLSWMU06002	6967983.770	2297783.960	601.96	
BHGLSWMU06003	6967987.659	2297774.915	601.90	
BHGLSWMU06004	6967968.756	2297779.676	601.82	
BHGLSWMU06005	6968006.55	2297768.72	602.21	
BHGLSWMU06006	6967988.93	2297755.24	602 64	
BHGLSWMU12001	6967764.590	2297412.060	606 78	
BHGLSWMU12002	6967749.270	2297424.250	607.03	
BHGLSWMU12003	6967733.380	2297442.140	607.66	
BHGLSWMU12004	6967773.915	2297398.068	606.98	
BHGLSWMU12005	6967698.117	2297477.152	608.15	
BHGLSWMU12006	6967744.893	2297399.097	607.68	
BHGLSWMU12007	6967707.123	2297451.246	608.41	
BEEGSWMU12008	6967728.07	2297372.24	608.35	
BEEGSWMU12009	6967755.84	2297356.51	607.98	
BEEGSWMU12010	6967784.81	2297379.09	607.34	
BEEGSWMU12011	6967781.21	2297429.84	606.37	
WEEGTA001	6967738.16	2297375.21	608.01	607.78
WEEGTA002	6967721.19	2297478.88	605.24	605.01
WHGLTA028	6967760.51	2297450.94	605.76	
BHGLSWMU31001	6963572.040	2298537.020	605.77	
BHGLSWMU31002	6963564.570	2298513.360	605.95	
BHGLSWMU31003	6963562.505	2298510 792	605.93	
BHGLSWMU31004	6963544.615	2298527.036	604.99	
BHGLSWMU31005	6963577.233	2298570.103	605.09	
BHGLSWMU31006	6963607.711	2298556 218	606.20	
BHGLSWMU61001	6963856.580	2301000.850	571.61	
BHGLSWMU61002	6963861.200	2301016.500	571.59	
BHGLSWMU61003	6963875.740	2301024.180	571.8	
BHGLSWMU61004	6963891.890	2301020.680	571.74	
BHGLSWMU61005	6963861.970	2300971.500	570.86	
BHGLSWMU61006	6963865.520	2300994.749	571.18	
BHGLSWMU61007	6963878.648	2301001.377	571.20	
BHGLSWMU61008	6963897.592	2301002.455	571.27	
BHGLSWMU61009	6963908.603	2301019.038	571.71	
BHGLSWMU61010	6963893.940	2301041.440	571.37	
BHGLSWMU61011	6963843.390	2301046.590	571.48	
BHGLSWMU61012	6963817.94	2301000.47	572.53	
BHGLSWMU61013	6963924.82	2300972.00	571.37	

Table D.1
RFI Survey Points
Surveyed by Baird, Hampton, Brown
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Location	Northing	Easting	Ground Surface Elevation	Top of Casing Elevation
BHGLSWMU61014	6963930.34	2301024.05	571.75	
WHGLTA034	6963889.66	2301060.21	571.42	
WHGLTA035	6963823.75	2301048 39	571.43	

TAB

APPENDIX E

APPENDIX E

Phase I
Soil Analytical Data Summary Tables

Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU05001 00 ft 1999-06-04	BHGLSWMU05001 05 ft 1999-06-04	BHGLSWMU05002 00 ft 1999-06-04	BHGLSWMU05002 05 ft 1999-06-04
M5500	Ethylene glycol	mg/kg	10	4.7 F	2 8 F	5 U
SW6010B	Antimony	mg/kg	3.8 U	4.3 U	3.9 U	4 1 U
SW6010B	Arsenic	mg/kg	3.7 F	11.4	4	3.5 F
SW6010B	Barium	mg/kg	50 4	117	90.5	179
SW6010B	Beryllium	mg/kg	0.53 J	0 84	0.69 J	0.49 J
SW6010B	Cadmium	mg/kg	0 38 U	0 43 U	0 41	0.41 U
SW6010B	Chromium, total	mg/kg	12 1	9.5	15.2	8.8
SW6010B	Cobalt	mg/kg	3.6 F	5.4	4.6 F	11.1
SW6010B	Copper	mg/kg	7.2 F	8 F	8 4	5.7 F
SW6010B	Lead	mg/kg	NA	NA	NA	NA
SW6010B	Nickel	mg/kg	6.6 F	15 7	11 6	12
SW6010B	Tin	mg/kg	30.6 U	34.6 U	31.1 U	32.9 U
SW6010B	Vanadium	mg/kg	22.5 F	30 3	25.9	16.2 F
SW6010B	Zinc	mg/kg	21.2 F	16 F	34 1	14.1 F
SW7421	Lead	mg/kg	15.6	6.3	16 4	4 4
SW7471A	Mercury	mg/kg	0.04 U	0 04 U	0.02 F	0.04 U
SW7740	Selenium	mg/kg	0.26 UJ	0 24 UJ	0.23 UJ	0.22 UJ
SW7761	Silver	mg/kg	0.17 UJ	0.16 UJ	0.31 UJ	0.29 UJ
SW7841	Thallium	mg/kg	0.87 U	0 81 U	0 78 U	0 72 U
SW8260B	1,1,1,2-Tetrachloroethane	mg/kg	0.003 U	0.003 U	0.003 U	0.003 U
SW8260B	1,1,1-Trichloroethane	mg/kg	0.004 R	0.004 U	0.004 U	0.004 U
SW8260B	1,1,2,2-Tetrachloroethane	mg/kg	0.002 U	0.002 U	0 002 U	0 002 U
SW8260B	1,1,2-Trichloroethane	mg/kg	0.005 U	0.005 U	0 005 U	0.005 U
SW8260B	1,1-Dichloroethane	mg/kg	0.002 U	0.002 U	0 002 U	0.002 U
SW8260B	1,1-Dichloroethene	mg/kg	0 005 U	0.005 U	0.005 U	0.005 U
SW8260B	1,2,3-Trichloropropane	mg/kg	0 005 R	0.005 U	0.005 U	0 005 U
SW8260B	1,2-Dibromo-3-chloropropane	mg/kg	0 005 U	0.005 U	0.005 U	0.005 U
SW8260B	1,2-Dibromoethane (Ethylene dibromide)	mg/kg	0.003 U	0 003 U	0.003 U	0.003 U
SW8260B	1,2-Dichloroethane	mg/kg	0.003 U	0 003 U	0.003 U	0.003 U
SW8260B	1,2-Dichloropropane	mg/kg	0.002 U	0 002 U	0.002 U	0.002 U
SW8260B	2-Chloro-1,3-butadiene	mg/kg	0 005 U	0.005 U	0 005 U	0.005 U
SW8260B	2-Hexanone	mg/kg	0 005 U	0.005 U	0.005 U	0 005 U
SW8260B	Acetone	mg/kg	0 005 U	0.005 U	0.005 U	0.005 U
SW8260B	Acetonitrile	mg/kg	0.037 U	0.041 U	0.037 U	0.043 U
SW8260B	Acrolein	mg/kg	0.093 U	0.1 U	0.094 U	0.11 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU05001 00 ft 1999-06-04	BHGLSWMU05001 05 ft 1999-06-04	BHGLSWMU05002 00 ft 1999-06-04	BHGLSWMU05002 05 ft 1999-06-04
SW8260B	Acrylonitrile	mg/kg	0.037 U	0.041 U	0.037 U	0.043 U
SW8260B	Allyl chloride (3-Chloropropene)	mg/kg	0.009 U	0.01 U	0.009 U	0.011 U
SW8260B	Benzene	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U
SW8260B	Bromodichloromethane	mg/kg	0.004 U	0.004 U	0.004 U	0.004 U
SW8260B	Bromoform	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Bromomethane	mg/kg	0.005 R	0.005 R	0.005 R	0.005 R
SW8260B	Carbon disulfide	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Carbon tetrachloride	mg/kg	0.005 R	0.005 U	0.005 U	0.005 U
SW8260B	Chlorobenzene	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U
SW8260B	Chloroethane	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Chloroform	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U
SW8260B	Chloromethane	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	cis-1,2-Dichloroethene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	cis-1,3-Dichloropropene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Dibromochloromethane	mg/kg	0.003 U	0.003 U	0.003 U	0.003 U
SW8260B	Dibromomethane	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Dichlorodifluoromethane	mg/kg	0.005 R	0.005 R	0.005 R	0.005 R
SW8260B	Ethyl methacrylate	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Ethylbenzene	mg/kg	0.003 U	0.003 U	0.003 U	0.003 U
SW8260B	Iodomethane (Methyl iodide)	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Isobutanol	mg/kg	0.18 U	0.2 U	0.19 U	0.21 U
SW8260B	m,p-Xylene (sum of isomers)	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Methyl ethyl ketone (2-Butanone)	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Methyl isobutyl ketone (4-Methyl-2-pentanone)	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Methyl methacrylate	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Methylacrylonitrile	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Methylene chloride	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U
SW8260B	o-Xylene (1,2-Dimethylbenzene)	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Pentachloroethane	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Propane nitrile (Propionitrile)	mg/kg	0.018 U	0.02 U	0.019 U	0.021 U
SW8260B	Styrene	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U
SW8260B	Tetrachloroethene (PCE)	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Toluene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Trans-1,2-Dichloroethene	mg/kg	0.003 U	0.003 U	0.003 U	0.003 U
SW8260B	Trans-1,3-Dichloropropene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U

Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU05001 00 ft 1999-06-04	BHGLSWMU05001 05 ft 1999-06-04	BHGLSWMU05002 00 ft 1999-06-04	BHGLSWMU05002 05 ft 1999-06-04
SW8260B	Trans-1,4-Dichloro-2-Butene	mg/kg	0.005 U	0 005 U	0.005 U	0.005 U
SW8260B	Trichloroethene (TCE)	mg/kg	0.005 U	0 005 U	0.005 U	0.005 U
SW8260B	Trichlorofluoromethane	mg/kg	NA	NA	NA	NA
SW8260B	Vinyl acetate	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Vinyl chloride	mg/kg	0.005 U	0.005 U	0 005 U	0.005 U
SW8270C	1,2,4,5-Tetrachlorobenzene	mg/kg	0.38 U	0 37 U	0.39 U	0.38 U
SW8270C	1,2,4-Trichlorobenzene	mg/kg	0 38 U	0.37 U	0 39 U	0.38 U
SW8270C	1,2-Dichlorobenzene	mg/kg	0.38 U	0.37 U	0 39 U	0 38 U
SW8270C	1,3,5-Trinitrobenzene	mg/kg	1 5 U	1 5 U	1.6 U	1.5 U
SW8270C	1,3-Dichlorobenzene	mg/kg	0.38 U	0 37 U	0 39 U	0.38 U
SW8270C	1,3-Dinitrobenzene	mg/kg	0.38 U	0 37 U	0 39 U	0.38 U
SW8270C	1,4-Dichlorobenzene	mg/kg	0.38 U	0.37 U	0.39 U	0 38 U
SW8270C	1,4-Dioxane (p-Dioxane)	mg/kg	1.5 U	1 5 U	1.6 U	1.5 U
SW8270C	1,4-Naphthoquinone	mg/kg	1 9 U	1.9 U	2 U	1.9 U
SW8270C	1-Naphthylamine	mg/kg	0 76 U	0.75 U	0.78 U	0.75 U
SW8270C	2,2'-Oxybis(1-chloropropane)	mg/kg	0.38 U	0 37 U	0.39 U	0.38 U
SW8270C	2,3,4,6-Tetrachlorophenol	mg/kg	0 38 U	0.37 U	0.39 U	0.38 U
SW8270C	2,4,5-Trichlorophenol	mg/kg	1 9 U	1.9 U	2 U	1.9 U
SW8270C	2,4,6-Trichlorophenol	mg/kg	0 38 U	0.37 U	0.39 U	0.38 U
SW8270C	2,4-Dichlorophenol	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	2,4-Dimethylphenol	mg/kg	0.38 U	0.37 U	0.39 U	0 38 U
SW8270C	2,4-Dinitrophenol	mg/kg	1.9 U	1.9 U	2 U	1.9 U
SW8270C	2,4-Dinitrotoluene	mg/kg	0 38 U	0.37 U	0 39 U	0.38 U
SW8270C	2,6-Dichlorophenol	mg/kg	0 76 U	0 75 U	0.78 U	0 75 U
SW8270C	2,6-Dinitrotoluene	mg/kg	0.38 U	0 37 U	0 39 U	0 38 U
SW8270C	2-Acetylaminofluorene	mg/kg	0 76 U	0.75 U	0 78 U	0.75 U
SW8270C	2-Aminonaphthalene (beta-Naphthylamine)	mg/kg	0.76 U	0 75 U	0.78 U	0.75 U
SW8270C	2-Chloronaphthalene	mg/kg	0.38 U	0.37 U	0 39 U	0 38 U
SW8270C	2-Chlorophenol	mg/kg	0 38 U	0 37 U	0 39 U	0.38 U
SW8270C	2-Methylnaphthalene	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	2-Methylphenol (o-Cresol)	mg/kg	0.38 U	0 37 U	0 39 U	0 38 U
SW8270C	2-Nitroaniline	mg/kg	1.9 U	1.9 U	2 U	1 9 U
SW8270C	2-Nitrophenol	mg/kg	0 38 U	0 37 U	0.39 U	0.38 U
SW8270C	2-Picoline (alpha-Picoline)	mg/kg	0.38 U	0.37 U	0.39 U	0 38 U
SW8270C	3,3'-Dichlorobenzidine	mg/kg	0.76 U	0.75 U	0.78 U	0.75 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU05001 00 ft 1999-06-04	BHGLSWMU05001 05 ft 1999-06-04	BHGLSWMU05002 00 ft 1999-06-04	BHGLSWMU05002 05 ft 1999-06-04
SW8270C	3,3'-Dimethylbenzidine	mg/kg	1.9 U	1.9 U	2 U	1 9 U
SW8270C	3-Methylcholanthrene	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	3-Nitroaniline	mg/kg	1 9 U	1.9 U	2 U	1.9 U
SW8270C	4,6-Dinitro-2-methylphenol	mg/kg	1.9 U	1 9 U	2 U	1.9 U
SW8270C	4-Aminobiphenyl (4-Biphenylamine)	mg/kg	0.76 U	0.75 U	0.78 U	0.75 U
SW8270C	4-Bromophenyl phenyl ether	mg/kg	0.38 U	0 37 U	0.39 U	0.38 U
SW8270C	4-Chloro-3-methylphenol	mg/kg	0.76 U	0.75 U	0 78 U	0.75 U
SW8270C	4-Chloroaniline	mg/kg	0.76 U	0.75 U	0 78 U	0.75 U
SW8270C	4-Chlorophenyl phenyl ether	mg/kg	0.38 U	0 37 U	0.39 U	0 38 U
SW8270C	4-Nitroaniline	mg/kg	1 9 U	1.9 U	2 U	1.9 U
SW8270C	4-Nitrophenol	mg/kg	1.9 U	1.9 U	2 U	1.9 U
SW8270C	4-Nitroquinoline-1-oxide	mg/kg	1.9 U	1.9 U	2 U	1.9 U
SW8270C	5-Nitro-o-toluidine	mg/kg	0.76 U	0.75 U	0.78 U	0.75 U
SW8270C	7,12-Dimethylbenzo(a)anthracene	mg/kg	0 76 U	0.75 U	0.78 U	0.75 U
SW8270C	Acenaphthene	mg/kg	0 38 U	0.37 U	0.39 U	0.38 U
SW8270C	Acenaphthylene	mg/kg	0.38 U	0 37 U	0.39 U	0.38 U
SW8270C	Acetophenone	mg/kg	0.76 U	0.75 U	0.78 U	0 75 U
SW8270C	alpha, alpha-Dimethylphenethylamine	mg/kg	1.9 U	1.9 U	2 U	1.9 U
SW8270C	Aniline (Phenylamine, Aminobenzene)	mg/kg	0.38 U	0.37 U	0 39 U	0 38 U
SW8270C	Anthracene	mg/kg	0 38 U	0 37 U	0.39 U	0 38 U
SW8270C	Aramite (total)	mg/kg	0.76 U	0 75 U	0.78 U	0.75 U
SW8270C	Benzo(a)anthracene	mg/kg	0 38 U	0 37 U	0.39 U	0 38 U
SW8270C	Benzo(a)pyrene	mg/kg	0.38 U	0 37 U	0.39 U	0 38 U
SW8270C	Benzo(b)fluoranthene	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	Benzo(g,h,i)perylene	mg/kg	0 38 U	0.37 U	0 39 U	0.38 U
SW8270C	Benzo(k)fluoranthene	mg/kg	0 38 U	0 37 U	0.39 U	0.38 U
SW8270C	Benzoic acid	mg/kg	1.9 U	1.9 U	0.44 F	1.9 U
SW8270C	Benzyl alcohol	mg/kg	0.38 U	0.37 U	0 39 U	0 38 U
SW8270C	Benzyl butyl phthalate	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	bis(2-Chloroethoxy)methane	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	bis(2-Chloroethyl)ether (2-Chloroethyl ether)	mg/kg	0.38 U	0.37 U	0 39 U	0.38 U
SW8270C	bis(2-Ethylhexyl)phthalate	mg/kg	0 38 U	0.37 U	0.39 U	0 38 U
SW8270C	Chlorobenzilate	mg/kg	0.38 U	0 37 U	0 39 U	0.38 U
SW8270C	Chrysene	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	Cresols, m & p	mg/kg	0 38 U	0.37 U	0.39 U	0.38 U

Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU05001.00 ft 1999-06-04	BHGLSWMU05001.05 ft 1999-06-04	BHGLSWMU05002.00 ft 1999-06-04	BHGLSWMU05002.05 ft 1999-06-04
SW8270C	Diallate (total of cis and trans isomers)	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	Dibenz(a,h)anthracene	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	Dibenzofuran	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	Diethyl phthalate	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	Dimethyl phthalate	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	Di-n-butyl phthalate	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	Di-n-octyl phthalate	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	Dinoseb	mg/kg	0.76 U	0.75 U	0.78 U	0.75 U
SW8270C	Diphenylamine	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	Ethyl methanesulfonate	mg/kg	0.76 U	0.75 U	0.78 U	0.75 U
SW8270C	Fluoranthene	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	Fluorene	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	Hexachlorobenzene	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	Hexachlorobutadiene	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	Hexachlorocyclopentadiene	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	Hexachloroethane	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	Hexachlorophene	mg/kg	5.7 U	5.6 U	5.9 U	5.6 U
SW8270C	Hexachloropropene	mg/kg	1.9 U	1.9 U	2 U	1.9 U
SW8270C	Indeno(1,2,3-c,d)pyrene	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	Isophorone	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	Isosafrole	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	Methapyrilene	mg/kg	0.94 U	0.93 U	0.98 U	0.94 U
SW8270C	Methyl methanesulfonate	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	Naphthalene	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	Nitrobenzene	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	N-Nitrosodiethylamine	mg/kg	0.76 U	0.75 U	0.78 U	0.75 U
SW8270C	N-Nitrosodimethylamine	mg/kg	0.76 U	0.75 U	0.78 U	0.75 U
SW8270C	N-Nitrosodi-n-butylamine	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	N-Nitrosodi-n-propylamine	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	N-Nitrosodiphenylamine	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	N-Nitrosomethylethylamine	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	N-Nitrosomorpholine	mg/kg	0.76 U	0.75 U	0.78 U	0.75 U
SW8270C	N-Nitrosopiperidine	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	N-Nitrosopyrrolidine	mg/kg	0.76 U	0.75 U	0.78 U	0.75 U
SW8270C	o-Toluidine	mg/kg	0.76 U	0.75 U	0.78 U	0.75 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU05001 00 ft 1999-06-04	BHGLSWMU05001 05 ft 1999-06-04	BHGLSWMU05002 00 ft 1999-06-04	BHGLSWMU05002 05 ft 1999-06-04
SW8270C	p-Dimethylaminoazobenzene	mg/kg	0.76 U	0.75 U	0 78 U	0 75 U
SW8270C	Pentachlorobenzene	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	Pentachloronitrobenzene	mg/kg	0.38 U	0 37 U	0.39 U	0.38 U
SW8270C	Pentachlorophenol	mg/kg	1 9 U	1.9 U	2 U	1 9 U
SW8270C	Phenacetin	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	Phenanthrene	mg/kg	0.38 U	0.37 U	0.39 U	0 38 U
SW8270C	Phenol	mg/kg	0.38 U	0.37 U	0.39 U	0.38 U
SW8270C	p-Phenylenediamine	mg/kg	1 5 U	1.5 U	1.6 U	1.5 U
SW8270C	Pronamide	mg/kg	0 38 U	0.37 U	0.39 U	0.38 U
SW8270C	Pyrene	mg/kg	0.38 U	0 37 U	0.39 U	0.38 U
SW8270C	Pyridine	mg/kg	0.76 U	0 75 U	0.78 U	0.75 U
SW8270C	Safrole	mg/kg	0 38 U	0.37 U	0 39 U	0.38 U
SW9045C	pH	pH Units	8.1	8.2	8.2	8.3
TX1005	Petroleum Hydrocarbons, Gasoline (C6 - C10)	mg/kg	58 UJ	56 UJ	57 UJ	54 UJ
TX1005	Petroleum Hydrocarbons, Heavy/Residual Fuel Oils (>C10 - C28)	mg/kg	58 UJ	56 UJ	57 UJ	54 UJ
TX1005	Petroleum Hydrocarbons, total (C6 - C28)	mg/kg	58 UJ	56 UJ	57 UJ	54 UJ

Notes
RRS 1 = Risk Reduction Standard 1
RRS 2 = Risk Reduction Standard 2
F = Estimated value below reporting limit and above the MDL
J = Estimated value above the reporting limit
U = The analyte was not detected The associated numerical value is the MQL
UJ = The analyte was not detected The associated numerical value is the MQL, estimated due to deficiences in the QC criteria
R = The associated result was rejected due to deficiencies in QC criteria

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU05003 00 ft 1999-06-04	BHGLSWMU05003 05 ft 1999-06-04	BHGLSWMU06001 00 ft 1999-06-04	BHGLSWMU06001 05 ft 1999-06-04
M5500	Ethylene glycol	mg/kg	2 F	3.7 F	5.2 F	4.6 F
SW6010B	Antimony	mg/kg	4.2 U	4.3 U	4.8 U	4 U
SW6010B	Arsenic	mg/kg	3.8 F	4.9	3.2 F	4 2
SW6010B	Barium	mg/kg	52.7	133	83.2	62
SW6010B	Beryllium	mg/kg	0.54 J	0.71 J	0 63 J	0 49 J
SW6010B	Cadmium	mg/kg	0.42 U	0 43 U	0 48 U	0.4 U
SW6010B	Chromium, total	mg/kg	10.1	11.7	10.2	9 6
SW6010B	Cobalt	mg/kg	3.8 F	22.1	8.2	3.3 F
SW6010B	Copper	mg/kg	6 9 F	8 F	7.1 F	7.3 F
SW6010B	Lead	mg/kg	NA	NA	NA	NA
SW6010B	Nickel	mg/kg	7 F	18.9	9 6	9
SW6010B	Tin	mg/kg	33.7 U	34 7 U	38.1 U	32.2 U
SW6010B	Vanadium	mg/kg	22.3 F	21.8 F	25 8 F	23.9 F
SW6010B	Zinc	mg/kg	16 8 F	21.3 F	14 F	13.9 F
SW7421	Lead	mg/kg	8 8	23.9	11 2	5 2
SW7471A	Mercury	mg/kg	0.04	0 04 U	0 04 U	0.04 U
SW7740	Selenium	mg/kg	0.25 UJ	0.25 UJ	0.26 U	0 23 UJ
SW7761	Silver	mg/kg	0.33 UJ	0 33 UJ	0.17 UJ	0.15 UJ
SW7841	Thallium	mg/kg	0.83 U	0.19 F	0.87 U	0 77 U
SW8260B	1,1,1,2-Tetrachloroethane	mg/kg	0 003 U	0.002 U	0 003 U	0.003 U
SW8260B	1,1,1-Trichloroethane	mg/kg	0.004 U	0.003 U	0.004 R	0 004 R
SW8260B	1,1,2,2-Tetrachloroethane	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U
SW8260B	1,1,2-Trichloroethane	mg/kg	0.005 U	0.004 U	0.006 U	0.005 U
SW8260B	1,1-Dichloroethane	mg/kg	0 002 U	0.002 U	0 002 U	0.002 U
SW8260B	1,1-Dichloroethene	mg/kg	0 005 U	0 004 U	0 006 U	0.005 U
SW8260B	1,2,3-Trichloropropane	mg/kg	0 005 U	0.004 U	0.006 R	0.005 R
SW8260B	1,2-Dibromo-3-chloropropane	mg/kg	0 005 U	0.004 U	0 006 U	0.005 U
SW8260B	1,2-Dibromoethane (Ethylene dibromide)	mg/kg	0.003 U	0.002 U	0 003 U	0 003 U
SW8260B	1,2-Dichloroethane	mg/kg	0.003 U	0 002 U	0 003 U	0.003 U
SW8260B	1,2-Dichloropropane	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U
SW8260B	2-Chloro-1,3-butadiene	mg/kg	0.005 U	0 004 U	0 006 U	0 005 U
SW8260B	2-Hexanone	mg/kg	0.005 U	0 004 U	0 006 U	0.005 U
SW8260B	Acetone	mg/kg	0.005 U	0 004 U	0 006 U	0.005 U
SW8260B	Acetonitrile	mg/kg	0.038 U	0 033 U	0.045 U	0 041 U
SW8260B	Acrolein	mg/kg	0.094 U	0 083 U	0.11 U	0.1 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU05003.00 ft 1999-06-04	BHGLSWMU05003.05 ft 1999-06-04	BHGLSWMU06001.00 ft 1999-06-04	BHGLSWMU06001.05 ft 1999-06-04
SW8260B	Acrylonitrile	mg/kg	0.038 U	0.033 U	0.045 U	0.041 U
SW8260B	Allyl chloride (3-Chloropropene)	mg/kg	0.009 U	0.008 U	0.011 U	0.01 U
SW8260B	Benzene	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U
SW8260B	Bromodichloromethane	mg/kg	0.004 U	0.003 U	0.004 U	0.004 U
SW8260B	Bromoform	mg/kg	0.005 U	0.004 U	0.006 U	0.005 U
SW8260B	Bromomethane	mg/kg	0.005 R	0.004 R	0.006 R	0.005 R
SW8260B	Carbon disulfide	mg/kg	0.005 U	0.004 U	0.006 U	0.005 U
SW8260B	Carbon tetrachloride	mg/kg	0.005 U	0.004 U	0.006 R	0.005 R
SW8260B	Chlorobenzene	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U
SW8260B	Chloroethane	mg/kg	0.005 U	0.004 U	0.006 U	0.005 U
SW8260B	Chloroform	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U
SW8260B	Chloromethane	mg/kg	0.005 U	0.004 U	0.006 U	0.005 U
SW8260B	cis-1,2-Dichloroethene	mg/kg	0.005 U	0.004 U	0.006 U	0.005 U
SW8260B	cis-1,3-Dichloropropene	mg/kg	0.005 U	0.004 U	0.006 U	0.005 U
SW8260B	Dibromochloromethane	mg/kg	0.003 U	0.002 U	0.003 U	0.003 U
SW8260B	Dibromomethane	mg/kg	0.005 U	0.004 U	0.006 U	0.005 U
SW8260B	Dichlorodifluoromethane	mg/kg	0.005 R	0.004 R	0.006 R	0.005 R
SW8260B	Ethyl methacrylate	mg/kg	0.005 U	0.004 U	0.006 U	0.005 U
SW8260B	Ethylbenzene	mg/kg	0.003 U	0.002 U	0.003 U	0.003 U
SW8260B	Iodomethane (Methyl iodide)	mg/kg	0.005 U	0.004 U	0.006 U	0.005 U
SW8260B	Isobutanol	mg/kg	0.19 U	0.17 U	0.23 U	0.2 U
SW8260B	m,p-Xylene (sum of isomers)	mg/kg	0.005 U	0.004 U	0.006 U	0.005 U
SW8260B	Methyl ethyl ketone (2-Butanone)	mg/kg	0.005 U	0.004 U	0.006 U	0.005 U
SW8260B	Methyl isobutyl ketone (4-Methyl-2-pentanone)	mg/kg	0.005 U	0.004 U	0.006 U	0.005 U
SW8260B	Methyl methacrylate	mg/kg	0.005 U	0.004 U	0.006 U	0.005 U
SW8260B	Methylacrylonitrile	mg/kg	0.005 U	0.004 U	0.006 U	0.005 U
SW8260B	Methylene chloride	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U
SW8260B	o-Xylene (1,2-Dimethylbenzene)	mg/kg	0.005 U	0.004 U	0.006 U	0.005 U
SW8260B	Pentachloroethane	mg/kg	0.005 U	0.004 U	0.006 U	0.005 U
SW8260B	Propane nitrile (Propionitrile)	mg/kg	0.019 U	0.017 U	0.023 U	0.02 U
SW8260B	Styrene	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U
SW8260B	Tetrachloroethene (PCE)	mg/kg	0.005 U	0.004 U	0.006 U	0.005 U
SW8260B	Toluene	mg/kg	0.005 U	0.004 U	0.006 U	0.005 U
SW8260B	Trans-1,2-Dichloroethene	mg/kg	0.003 U	0.002 U	0.003 U	0.003 U
SW8260B	Trans-1,3-Dichloropropene	mg/kg	0.005 U	0.004 U	0.006 U	0.005 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU05003 00 ft 1999-06-04	BHGLSWMU05003 05 ft 1999-06-04	BHGLSWMU06001 00 ft 1999-06-04	BHGLSWMU06001 05 ft 1999-06-04
SW8260B	Trans-1,4-Dichloro-2-Butene	mg/kg	0 005 U	0.004 U	0.006 U	0.005 U
SW8260B	Trichloroethene (TCE)	mg/kg	0.005 U	0.004 U	0.006 U	0 005 U
SW8260B	Trichlorofluoromethane	mg/kg	NA	NA	NA	NA
SW8260B	Vinyl acetate	mg/kg	0.005 U	0.004 U	0 006 U	0 005 U
SW8260B	Vinyl chloride	mg/kg	0.005 U	0.004 U	0.006 U	0 005 U
SW8270C	1,2,4,5-Tetrachlorobenzene	mg/kg	0 37 U	0 37 U	0.41 U	0.39 U
SW8270C	1,2,4-Trichlorobenzene	mg/kg	0.37 U	0.37 U	0.41 U	0.39 U
SW8270C	1,2-Dichlorobenzene	mg/kg	0.37 U	0.37 U	0.41 U	0.39 U
SW8270C	1,3,5-Trinitrobenzene	mg/kg	1.5 U	1.5 U	1.6 U	1.5 U
SW8270C	1,3-Dichlorobenzene	mg/kg	0.37 U	0 37 U	0.41 U	0.39 U
SW8270C	1,3-Dinitrobenzene	mg/kg	0.37 U	0 37 U	0.41 U	0.39 U
SW8270C	1,4-Dichlorobenzene	mg/kg	0.37 U	0.37 U	0.41 U	0.39 U
SW8270C	1,4-Dioxane (p-Dioxane)	mg/kg	1.5 U	1.5 U	1.6 U	1 5 U
SW8270C	1,4-Naphthoquinone	mg/kg	1.9 U	1.9 U	2 1 U	1.9 U
SW8270C	1-Naphthylamine	mg/kg	0.75 U	0.75 U	0 83 U	0.77 U
SW8270C	2,2'-Oxybis(1-chloropropane)	mg/kg	0.37 U	0.37 U	0.41 U	0.39 U
SW8270C	2,3,4,6-Tetrachlorophenol	mg/kg	0.37 U	0.37 U	0 41 U	0 39 U
SW8270C	2,4,5-Trichlorophenol	mg/kg	1.9 U	1.9 U	2.1 U	1.9 U
SW8270C	2,4,6-Trichlorophenol	mg/kg	0.37 U	0.37 U	0 41 U	0.39 U
SW8270C	2,4-Dichlorophenol	mg/kg	0 37 U	0.37 U	0 41 U	0 39 U
SW8270C	2,4-Dimethylphenol	mg/kg	0.37 U	0.37 U	0.41 U	0.39 U
SW8270C	2,4-Dinitrophenol	mg/kg	1.9 U	1.9 U	2.1 U	1.9 U
SW8270C	2,4-Dinitrotoluene	mg/kg	0.37 U	0.37 U	0.41 U	0.39 U
SW8270C	2,6-Dichlorophenol	mg/kg	0.75 U	0.75 U	0.83 U	0 77 U
SW8270C	2,6-Dinitrotoluene	mg/kg	0.37 U	0.37 U	0.41 U	0.39 U
SW8270C	2-Acetylaminofluorene	mg/kg	0 75 U	0.75 U	0 83 U	0.77 U
SW8270C	2-Aminonaphthalene (beta-Naphthylamine)	mg/kg	0.75 U	0.75 U	0 83 U	0 77 U
SW8270C	2-Chloronaphthalene	mg/kg	0 37 U	0 37 U	0 41 U	0.39 U
SW8270C	2-Chlorophenol	mg/kg	0.37 U	0.37 U	0.41 U	0.39 U
SW8270C	2-Methylnaphthalene	mg/kg	0.2 F	0 37 U	0 41 U	0 39 U
SW8270C	2-Methylphenol (o-Cresol)	mg/kg	0.37 U	0 37 U	0 41 U	0 39 U
SW8270C	2-Nitroaniline	mg/kg	1.9 U	1.9 U	2 1 U	1.9 U
SW8270C	2-Nitrophenol	mg/kg	0.37 U	0.37 U	0 41 U	0.39 U
SW8270C	2-Picoline (alpha-Picoline)	mg/kg	0.37 U	0.37 U	0 41 U	0.39 U
SW8270C	3,3'-Dichlorobenzidine	mg/kg	0 75 U	0.75 U	0 83 U	0.77 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU05003 00 ft 1999-06-04	BHGLSWMU05003 05 ft 1999-06-04	BHGLSWMU06001 00 ft 1999-06-04	BHGLSWMU06001 05 ft 1999-06-04
SW8270C	3,3'-Dimethylbenzidine	mg/kg	1 9 U	1.9 U	2.1 U	1.9 U
SW8270C	3-Methylcholanthrene	mg/kg	0.37 U	0.37 U	0.41 U	0.39 U
SW8270C	3-Nitroaniline	mg/kg	1 9 U	1.9 U	2.1 U	1.9 U
SW8270C	4,6-Dinitro-2-methylphenol	mg/kg	1.9 U	1 9 U	2 1 U	1 9 U
SW8270C	4-Aminobiphenyl (4-Biphenylamine)	mg/kg	0.75 U	0.75 U	0 83 U	0 77 U
SW8270C	4-Bromophenyl phenyl ether	mg/kg	0 37 U	0.37 U	0.41 U	0.39 U
SW8270C	4-Chloro-3-methylphenol	mg/kg	0.75 U	0 75 U	0 83 U	0 77 U
SW8270C	4-Chloroaniline	mg/kg	0.75 U	0.75 U	0 83 U	0 77 U
SW8270C	4-Chlorophenyl phenyl ether	mg/kg	0.37 U	0.37 U	0 41 U	0 39 U
SW8270C	4-Nitroaniline	mg/kg	1.9 U	1.9 U	2.1 U	1.9 U
SW8270C	4-Nitrophenol	mg/kg	1 9 U	1 9 U	2.1 U	1.9 U
SW8270C	4-Nitroquinoline-1-oxide	mg/kg	1.9 U	1.9 U	2.1 U	1.9 U
SW8270C	5-Nitro-o-toluidine	mg/kg	0 75 U	0.75 U	0 83 U	0.77 U
SW8270C	7,12-Dimethylbenzo(a)anthracene	mg/kg	0.75 U	0 75 U	0 83 U	0.77 U
SW8270C	Acenaphthene	mg/kg	0.37 U	0 37 U	0 41 U	0.39 U
SW8270C	Acenaphthylene	mg/kg	0.37 U	0.37 U	0 41 U	0.39 U
SW8270C	Acetophenone	mg/kg	0.75 U	0.75 U	0.83 U	0.77 U
SW8270C	alpha, alpha-Dimethylphenethylamine	mg/kg	1 9 U	1.9 U	2.1 U	1.9 U
SW8270C	Aniline (Phenylamine, Aminobenzene)	mg/kg	0.37 U	0.37 U	0.41 U	0 39 U
SW8270C	Anthracene	mg/kg	0 37 U	0.37 U	0.41 U	0 39 U
SW8270C	Aramite (total)	mg/kg	0.75 U	0.75 U	0.83 U	0.77 U
SW8270C	Benzo(a)anthracene	mg/kg	0.37 U	0.37 U	0.41 U	0.39 U
SW8270C	Benzo(a)pyrene	mg/kg	0.076 F	0.37 U	0.41 U	0.39 U
SW8270C	Benzo(b)fluoranthene	mg/kg	0 37 U	0.37 U	0.41 U	0 39 U
SW8270C	Benzo(g,h,i)perylene	mg/kg	0.37 U	0.37 U	0.41 U	0.39 U
SW8270C	Benzo(k)fluoranthene	mg/kg	0.37 U	0.37 U	0 41 U	0.39 U
SW8270C	Benzoic acid	mg/kg	0.57 F	1.9 U	2 1 U	1.9 U
SW8270C	Benzyl alcohol	mg/kg	0.37 U	0 37 U	0.41 U	0.39 U
SW8270C	Benzyl butyl phthalate	mg/kg	0.043 F	0.37 U	0.41 U	0 39 U
SW8270C	bis(2-Chloroethoxy)methane	mg/kg	0 37 U	0.37 U	0 41 U	0.39 U
SW8270C	bis(2-Chloroethyl)ether (2-Chloroethyl ether)	mg/kg	0.37 U	0 37 U	0 41 U	0.39 U
SW8270C	bis(2-Ethylhexyl)phthalate	mg/kg	0.37 U	0 37 U	0.41 U	0.39 U
SW8270C	Chlorobenzilate	mg/kg	0 37 U	0.37 U	0 41 U	0 39 U
SW8270C	Chrysene	mg/kg	0 06 F	0.37 U	0 41 U	0 39 U
SW8270C	Cresols, m & p	mg/kg	0.37 U	0 37 U	0.41 U	0.39 U

Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU05003 00 ft 1999-06-04	BHGLSWMU05003 05 ft 1999-06-04	BHGLSWMU06001 00 ft 1999-06-04	BHGLSWMU06001 05 ft 1999-06-04
SW8270C	Diallate (total of cis and trans isomers)	mg/kg	0.37 U	0.37 U	0 41 U	0.39 U
SW8270C	Dibenz(a,h)anthracene	mg/kg	0.37 U	0.37 U	0.41 U	0.39 U
SW8270C	Dibenzofuran	mg/kg	0.37 U	0.37 U	0 41 U	0.39 U
SW8270C	Diethyl phthalate	mg/kg	0.37 U	0.37 U	0.41 U	0.39 U
SW8270C	Dimethyl phthalate	mg/kg	0 37 U	0.37 U	0.41 U	0 39 U
SW8270C	Di-n-butyl phthalate	mg/kg	0.37 U	0.37 U	0.41 U	0.39 U
SW8270C	Di-n-octyl phthalate	mg/kg	0.37 U	0 37 U	0.41 U	0.39 U
SW8270C	Dinoseb	mg/kg	0.75 U	0.75 U	0.83 U	0.77 U
SW8270C	Diphenylamine	mg/kg	0.37 U	0.37 U	0 41 U	0 39 U
SW8270C	Ethyl methanesulfonate	mg/kg	0.75 U	0.75 U	0.83 U	0.77 U
SW8270C	Fluoranthene	mg/kg	0.37 U	0 37 U	0.41 U	0 39 U
SW8270C	Fluorene	mg/kg	0 37 U	0.37 U	0.41 U	0 39 U
SW8270C	Hexachlorobenzene	mg/kg	0.37 U	0 37 U	0 41 U	0 39 U
SW8270C	Hexachlorobutadiene	mg/kg	0.37 U	0.37 U	0.41 U	0.39 U
SW8270C	Hexachlorocyclopentadiene	mg/kg	0.37 U	0 37 U	0.41 U	0.39 U
SW8270C	Hexachloroethane	mg/kg	0.37 U	0.37 U	0 41 U	0 39 U
SW8270C	Hexachlorophene	mg/kg	5 6 U	5.6 U	6 2 U	5.8 U
SW8270C	Hexachloropropene	mg/kg	1.9 U	1 9 U	2 1 U	1.9 U
SW8270C	Indeno(1,2,3-c,d)pyrene	mg/kg	0.37 U	0.37 U	0.41 U	0.39 U
SW8270C	Isophorone	mg/kg	0.37 U	0 37 U	0.41 U	0.39 U
SW8270C	Isosafrole	mg/kg	0.37 U	0.37 U	0.41 U	0.39 U
SW8270C	Methapyrilene	mg/kg	0.94 U	0.93 U	1 U	0 97 U
SW8270C	Methyl methanesulfonate	mg/kg	0.37 U	0.37 U	0 41 U	0.39 U
SW8270C	Naphthalene	mg/kg	0 21 F	0.37 U	0.41 U	0.39 U
SW8270C	Nitrobenzene	mg/kg	0.37 U	0.37 U	0 41 U	0.39 U
SW8270C	N-Nitrosodiethylamine	mg/kg	0 75 U	0.75 U	0.83 U	0 77 U
SW8270C	N-Nitrosodimethylamine	mg/kg	0.75 U	0 75 U	0.83 U	0.77 U
SW8270C	N-Nitrosodi-n-butylamine	mg/kg	0.37 U	0 37 U	0.41 U	0.39 U
SW8270C	N-Nitrosodi-n-propylamine	mg/kg	0.37 U	0.37 U	0 41 U	0 39 U
SW8270C	N-Nitrosodiphenylamine	mg/kg	0.37 U	0.37 U	0.41 U	0.39 U
SW8270C	N-Nitrosomethylethylamine	mg/kg	0.37 U	0 37 U	0 41 U	0.39 U
SW8270C	N-Nitrosomorpholine	mg/kg	0 75 U	0.75 U	0 83 U	0 77 U
SW8270C	N-Nitrosopiperidine	mg/kg	0.37 U	0.37 U	0 41 U	0.39 U
SW8270C	N-Nitrosopyrrolidine	mg/kg	0.75 U	0 75 U	0 83 U	0.77 U
SW8270C	o-Toluidine	mg/kg	0 75 U	0.75 U	0.83 U	0 77 U

Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU05003 00 ft 1999-06-04	BHGLSWMU05003 05 ft 1999-06-04	BHGLSWMU06001 00 ft 1999-06-04	BHGLSWMU06001 05 ft 1999-06-04
SW8270C	p-Dimethylaminoazobenzene	mg/kg	0.75 U	0.75 U	0.83 U	0.77 U
SW8270C	Pentachlorobenzene	mg/kg	0 37 U	0.37 U	0.41 U	0.39 U
SW8270C	Pentachloronitrobenzene	mg/kg	0.37 U	0 37 U	0.41 U	0.39 U
SW8270C	Pentachlorophenol	mg/kg	1.9 U	1 9 U	2.1 U	1.9 U
SW8270C	Phenacetin	mg/kg	0 37 U	0.37 U	0.41 U	0.39 U
SW8270C	Phenanthrene	mg/kg	0.092 F	0 37 U	0.41 U	0.39 U
SW8270C	Phenol	mg/kg	0 37 U	0 37 U	0.41 U	0.39 U
SW8270C	p-Phenylenediamine	mg/kg	1.5 U	1.5 U	1.6 U	1.5 U
SW8270C	Pronamide	mg/kg	0.37 U	0.37 U	0 41 U	0.39 U
SW8270C	Pyrene	mg/kg	0.37 U	0 37 U	0.41 U	0.39 U
SW8270C	Pyridine	mg/kg	0.75 U	0.75 U	0 83 U	0.77 U
SW8270C	Safrole	mg/kg	0.37 U	0.37 U	0.41 U	0.39 U
SW9045C	pH	pH Units	8.3	8.3	8 6	8.4
TX1005	Petroleum Hydrocarbons, Gasoline (C6 - C10)	mg/kg	65 UJ	56 UJ	62 UJ	61 UJ
TX1005	Petroleum Hydrocarbons, Heavy/Residual Fuel Oils (>C10 - C28)	mg/kg	65 UJ	56 UJ	38 F	40 F
TX1005	Petroleum Hydrocarbons, total (C6 - C28)	mg/kg	65 UJ	56 UJ	38 F	40 F

Notes
RRS 1 = Risk Reduction Standard 1
RRS 2 = Risk Reduction Standard 2
F = Estimated value below reporting limit and above the MDL
J = Estimated value above the reporting limit
U = The analyte was not detected The associated numerical value is the MQL
UJ = The analyte was not detected The associated numerical value is the MQL, estimated due to deficiences in the QC criteria
R = The associated result was rejected due to deficiencies in QC criteria

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU06002 00 ft 1999-06-04	BHGLSWMU06002 05 ft 1999-06-04	BHGLSWMU12001 00 ft 1999-06-08	BHGLSWMU12001 05 ft 1999-06-08
M5500	Ethylene glycol	mg/kg	5 U	5 U	NA	NA
SW6010B	Antimony	mg/kg	3.9 U	4.2 U	3 7 UJ	3.6 UJ
SW6010B	Arsenic	mg/kg	4.5	12	2 F	3.4 F
SW6010B	Barium	mg/kg	79.8	1280	69.8	56 2
SW6010B	Beryllium	mg/kg	0.75 J	0.95	0 78	0.59
SW6010B	Cadmium	mg/kg	0.39 U	0 46	0 05 F	0.36 U
SW6010B	Chromium, total	mg/kg	11.5	9.8	10.8 J	11.1 J
SW6010B	Cobalt	mg/kg	5.3	41	3.3 F	7.7
SW6010B	Copper	mg/kg	8 2	8.1 F	5.8 F	7.1 F
SW6010B	Lead	mg/kg	NA	NA	8 4	7.5
SW6010B	Nickel	mg/kg	8.8	20 8	8.2	9.3
SW6010B	Tin	mg/kg	31.4 U	33.6 U	29.7 U	29.1 U
SW6010B	Vanadium	mg/kg	28.8	35.2	16.4 F	21.8 J
SW6010B	Zinc	mg/kg	17.6 F	15 2 F	15.5 F	15.7 F
SW7421	Lead	mg/kg	11.3	14 8	NA	NA
SW7471A	Mercury	mg/kg	0 04 U	0.04 U	0 04 U	0.04 U
SW7740	Selenium	mg/kg	0.26 UJ	0 25 UJ	0 24 UJ	0.21 UJ
SW7761	Silver	mg/kg	0.35 UJ	0.33 UJ	0.09 F	0.08 F
SW7841	Thallium	mg/kg	0.88 U	0 28 F	0.79 U	0.17 F
SW8260B	1,1,1,2-Tetrachloroethane	mg/kg	0.003 U	0 003 U	0 003 U	0.003 U
SW8260B	1,1,1-Trichloroethane	mg/kg	0.004 R	0.004 R	0.004 U	0 004 U
SW8260B	1,1,2,2-Tetrachloroethane	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U
SW8260B	1,1,2-Trichloroethane	mg/kg	0.006 U	0.005 U	0.005 U	0 005 U
SW8260B	1,1-Dichloroethane	mg/kg	0.002 U	0.002 U	0.002 U	0 002 U
SW8260B	1,1-Dichloroethene	mg/kg	0 006 U	0.005 U	0 005 U	0.005 U
SW8260B	1,2,3-Trichloropropane	mg/kg	0 006 R	0.005 R	0 005 U	0.005 U
SW8260B	1,2-Dibromo-3-chloropropane	mg/kg	0.006 U	0 005 U	0.005 U	0.005 U
SW8260B	1,2-Dibromoethane (Ethylene dibromide)	mg/kg	0.003 U	0 003 U	0.003 U	0.003 U
SW8260B	1,2-Dichloroethane	mg/kg	0.003 U	0.003 U	0.003 U	0 003 U
SW8260B	1,2-Dichloropropane	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U
SW8260B	2-Chloro-1,3-butadiene	mg/kg	0.006 U	0.005 U	0.005 U	0 005 U
SW8260B	2-Hexanone	mg/kg	0 006 U	0.005 U	0.005 U	0 005 U
SW8260B	Acetone	mg/kg	0.006 U	0.005 U	0.005 U	0 005 U
SW8260B	Acetonitrile	mg/kg	0.045 U	0 04 U	0.042 U	0.038 U
SW8260B	Acrolein	mg/kg	0.11 U	0.1 U	0.1 U	0.094 U

Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU06002 00 ft 1999-06-04	BHGLSWMU06002 05 ft 1999-06-04	BHGLSWMU12001 00 ft 1999-06-08	BHGLSWMU12001 05 ft 1999-06-08
SW8260B	Acrylonitrile	mg/kg	0.045 U	0 04 U	0.042 U	0.038 U
SW8260B	Allyl chloride (3-Chloropropene)	mg/kg	0.011 U	0 01 U	0 01 U	0 009 U
SW8260B	Benzene	mg/kg	0.002 U	0.002 U	0 002 U	0 1 J
SW8260B	Bromodichloromethane	mg/kg	0.004 U	0 004 U	0 004 U	0 004 U
SW8260B	Bromoform	mg/kg	0.006 U	0.005 U	0 005 U	0.005 U
SW8260B	Bromomethane	mg/kg	0.006 R	0.005 R	0.005 U	0.005 U
SW8260B	Carbon disulfide	mg/kg	0.006 U	0.005 U	0 005 U	0.005 U
SW8260B	Carbon tetrachloride	mg/kg	0 006 R	0 005 R	0 005 U	0.005 U
SW8260B	Chlorobenzene	mg/kg	0 002 U	0 002 U	0.002 U	0.002 U
SW8260B	Chloroethane	mg/kg	0 006 U	0.005 U	0.005 U	0.005 U
SW8260B	Chloroform	mg/kg	0 002 U	0.002 U	0.002 U	0.002 U
SW8260B	Chloromethane	mg/kg	0.006 U	0.005 U	0.005 U	0.005 U
SW8260B	cis-1,2-Dichloroethene	mg/kg	0.006 U	0.005 U	0.005 U	0.005 U
SW8260B	cis-1,3-Dichloropropene	mg/kg	0.006 U	0.005 U	0 005 U	0.005 U
SW8260B	Dibromochloromethane	mg/kg	0.003 U	0.003 U	0.003 U	0.003 U
SW8260B	Dibromomethane	mg/kg	0.006 U	0.005 U	0.005 U	0.005 U
SW8260B	Dichlorodifluoromethane	mg/kg	0.006 R	0.005 R	0 005 R	0.005 R
SW8260B	Ethyl methacrylate	mg/kg	0 006 U	0 005 U	0.005 U	0.005 U
SW8260B	Ethylbenzene	mg/kg	0 003 U	0.003 U	0.003 U	0.006 J
SW8260B	Iodomethane (Methyl iodide)	mg/kg	0 006 U	0.005 U	0 005 U	0.005 U
SW8260B	Isobutanol	mg/kg	0.22 U	0 2 U	0.21 U	0.19 U
SW8260B	m,p-Xylene (sum of isomers)	mg/kg	0.006 U	0 005 U	0.005 U	0.005 U
SW8260B	Methyl ethyl ketone (2-Butanone)	mg/kg	0 006 U	0 005 U	0 005 U	0 005 U
SW8260B	Methyl isobutyl ketone (4-Methyl-2-pentanone)	mg/kg	0.006 U	0.005 U	0.005 U	0 005 U
SW8260B	Methyl methacrylate	mg/kg	0.006 U	0.005 U	0 005 U	0.005 U
SW8260B	Methylacrylonitrile	mg/kg	0 006 U	0 005 U	0.005 U	0.005 U
SW8260B	Methylene chloride	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U
SW8260B	o-Xylene (1,2-Dimethylbenzene)	mg/kg	0.006 U	0.005 U	0 005 U	0 005 U
SW8260B	Pentachloroethane	mg/kg	0.006 U	0.005 U	0 005 U	0.005 U
SW8260B	Propane nitrile (Propionitrile)	mg/kg	0.022 U	0.02 U	0 021 U	0 019 U
SW8260B	Styrene	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U
SW8260B	Tetrachloroethene (PCE)	mg/kg	0 006 U	0.005 U	0.005 U	0.005 U
SW8260B	Toluene	mg/kg	0.006 U	0.005 U	0.005 U	0.005 U
SW8260B	Trans-1,2-Dichloroethene	mg/kg	0.003 U	0.003 U	0 003 U	0.003 U
SW8260B	Trans-1,3-Dichloropropene	mg/kg	0 006 U	0 005 U	0.005 U	0.005 U

Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU06002 00 ft 1999-06-04	BHGLSWMU06002 05 ft 1999-06-04	BHGLSWMU12001 00 ft 1999-06-08	BHGLSWMU12001 05 ft 1999-06-08
SW8260B	Trans-1,4-Dichloro-2-Butene	mg/kg	0.006 U	0.005 U	0.005 U	0.005 U
SW8260B	Trichloroethene (TCE)	mg/kg	0 006 U	0.005 U	0.005 U	0.005 U
SW8260B	Trichlorofluoromethane	mg/kg	NA	NA	NA	NA
SW8260B	Vinyl acetate	mg/kg	0 006 U	0.005 U	0.005 U	0 005 U
SW8260B	Vinyl chloride	mg/kg	0.006 U	0 005 U	0.005 U	0.005 U
SW8270C	1,2,4,5-Tetrachlorobenzene	mg/kg	0.39 U	0.38 U	0 41 U	0.38 U
SW8270C	1,2,4-Trichlorobenzene	mg/kg	0.39 U	0.38 U	0.41 U	0.38 U
SW8270C	1,2-Dichlorobenzene	mg/kg	0.39 U	0.38 U	0 41 U	0.38 U
SW8270C	1,3,5-Trinitrobenzene	mg/kg	1.5 U	1 5 U	1.6 U	1.5 U
SW8270C	1,3-Dichlorobenzene	mg/kg	0.39 U	0.38 U	0 41 U	0.38 U
SW8270C	1,3-Dinitrobenzene	mg/kg	0.39 U	0 38 U	0.41 U	0.38 U
SW8270C	1,4-Dichlorobenzene	mg/kg	0.39 U	0.38 U	0 41 U	0.38 U
SW8270C	1,4-Dioxane (p-Dioxane)	mg/kg	1.5 U	1.5 U	1.6 U	1.5 U
SW8270C	1,4-Naphthoquinone	mg/kg	1 9 U	1 9 U	2 U	1.9 U
SW8270C	1-Naphthylamine	mg/kg	0.77 U	0.75 U	0.82 U	0.77 U
SW8270C	2,2'-Oxybis(1-chloropropane)	mg/kg	0.39 U	0 38 U	0.41 R	0.38 R
SW8270C	2,3,4,6-Tetrachlorophenol	mg/kg	0.39 U	0.38 U	0.41 U	0.38 U
SW8270C	2,4,5-Trichlorophenol	mg/kg	1.9 U	1 9 U	2 U	1.9 U
SW8270C	2,4,6-Trichlorophenol	mg/kg	0.39 U	0.38 U	0.41 U	0.38 U
SW8270C	2,4-Dichlorophenol	mg/kg	0.39 U	0 38 U	0 41 U	0.38 U
SW8270C	2,4-Dimethylphenol	mg/kg	0.39 U	0 38 U	0.41 U	0 38 U
SW8270C	2,4-Dinitrophenol	mg/kg	1.9 U	1.9 U	2 U	1.9 U
SW8270C	2,4-Dinitrotoluene	mg/kg	0.39 U	0.38 U	0 41 U	0.38 U
SW8270C	2,6-Dichlorophenol	mg/kg	0 77 U	0.75 U	0.82 U	0.77 U
SW8270C	2,6-Dinitrotoluene	mg/kg	0.39 U	0 38 U	0.41 U	0 38 U
SW8270C	2-Acetylaminofluorene	mg/kg	0.77 U	0.75 U	0.82 U	0.77 U
SW8270C	2-Aminonaphthalene (beta-Naphthylamine)	mg/kg	0 77 U	0.75 U	0 82 U	0 77 U
SW8270C	2-Chloronaphthalene	mg/kg	0.39 U	0.38 U	0 41 U	0.38 U
SW8270C	2-Chlorophenol	mg/kg	0.39 U	0.38 U	0.41 U	0 38 U
SW8270C	2-Methylnaphthalene	mg/kg	0 39 U	0.38 U	0 41 U	0.47
SW8270C	2-Methylphenol (o-Cresol)	mg/kg	0.39 U	0.38 U	0.41 U	0 38 U
SW8270C	2-Nitroaniline	mg/kg	1 9 U	1 9 U	2 U	1 9 U
SW8270C	2-Nitrophenol	mg/kg	0.39 U	0.38 U	0.41 U	0.38 U
SW8270C	2-Picoline (alpha-Picoline)	mg/kg	0 39 U	0.38 U	0 41 U	0.38 U
SW8270C	3,3'-Dichlorobenzidine	mg/kg	0 77 U	0 75 U	0.82 U	0.77 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU06002 00 ft 1999-06-04	BHGLSWMU06002 05 ft 1999-06-04	BHGLSWMU12001 00 ft 1999-06-08	BHGLSWMU12001 05 ft 1999-06-08
SW8270C	3,3'-Dimethylbenzidine	mg/kg	1.9 U	1 9 U	2 U	1.9 U
SW8270C	3-Methylcholanthrene	mg/kg	0.39 U	0.38 U	0 41 U	0.38 U
SW8270C	3-Nitroaniline	mg/kg	1.9 U	1.9 U	2 U	1.9 U
SW8270C	4,6-Dinitro-2-methylphenol	mg/kg	1.9 U	1.9 U	2 U	1.9 U
SW8270C	4-Aminobiphenyl (4-Biphenylamine)	mg/kg	0.77 U	0 75 U	0 82 U	0.77 U
SW8270C	4-Bromophenyl phenyl ether	mg/kg	0.39 U	0.38 U	0 41 U	0.38 U
SW8270C	4-Chloro-3-methylphenol	mg/kg	0.77 U	0.75 U	0.82 U	0.77 U
SW8270C	4-Chloroaniline	mg/kg	0.77 U	0 75 U	0.82 U	0 77 U
SW8270C	4-Chlorophenyl phenyl ether	mg/kg	0 39 U	0 38 U	0.41 U	0.38 U
SW8270C	4-Nitroaniline	mg/kg	1.9 U	1.9 U	2 U	1.9 U
SW8270C	4-Nitrophenol	mg/kg	1 9 U	1.9 U	2 U	1.9 U
SW8270C	4-Nitroquinoline-1-oxide	mg/kg	1.9 U	1.9 U	2 U	1.9 U
SW8270C	5-Nitro-o-toluidine	mg/kg	0.77 U	0.75 U	0.82 U	0 77 U
SW8270C	7,12-Dimethylbenzo(a)anthracene	mg/kg	0 77 U	0.75 U	0 82 U	0 77 U
SW8270C	Acenaphthene	mg/kg	0.39 U	0.38 U	0 41 U	0.38 U
SW8270C	Acenaphthylene	mg/kg	0 39 U	0.38 U	0 41 U	0.38 U
SW8270C	Acetophenone	mg/kg	0.77 U	0.75 U	0.82 U	0.77 U
SW8270C	alpha, alpha-Dimethylphenethylamine	mg/kg	1 9 U	1.9 U	2 U	1.9 U
SW8270C	Aniline (Phenylamine, Aminobenzene)	mg/kg	0 39 U	0.38 U	0.41 U	0.38 U
SW8270C	Anthracene	mg/kg	0 39 U	0 38 U	0.41 U	0.38 U
SW8270C	Aramite (total)	mg/kg	0.77 U	0.75 U	0.82 U	0.77 U
SW8270C	Benzo(a)anthracene	mg/kg	0.39 U	0.38 U	0.41 U	0.38 U
SW8270C	Benzo(a)pyrene	mg/kg	0.39 U	0.38 U	0 41 U	0.38 U
SW8270C	Benzo(b)fluoranthene	mg/kg	0 39 U	0.38 U	0.41 U	0 38 U
SW8270C	Benzo(g,h,i)perylene	mg/kg	0.39 U	0 38 U	0 41 U	0 38 U
SW8270C	Benzo(k)fluoranthene	mg/kg	0.39 U	0.38 U	0 41 U	0.38 U
SW8270C	Benzoic acid	mg/kg	1.9 U	1.9 U	2 U	1.9 U
SW8270C	Benzyl alcohol	mg/kg	0 39 U	0 38 U	0.41 U	0 38 U
SW8270C	Benzyl butyl phthalate	mg/kg	0.39 U	0 38 U	0.41 U	0 38 U
SW8270C	bis(2-Chloroethoxy)methane	mg/kg	0 39 U	0.38 U	0.41 U	0.38 U
SW8270C	bis(2-Chloroethyl)ether (2-Chloroethyl ether)	mg/kg	0.39 U	0 38 U	0.41 U	0 38 U
SW8270C	bis(2-Ethylhexyl)phthalate	mg/kg	0 39 U	0.38 U	0 41 U	0.22 F
SW8270C	Chlorobenzilate	mg/kg	0 39 U	0 38 U	0.41 U	0.38 U
SW8270C	Chrysene	mg/kg	0.39 U	0.38 U	0.41 U	0.38 U
SW8270C	Cresols, m & p	mg/kg	0 39 U	0.38 U	0.41 U	0.38 U

Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU06002 00 ft 1999-06-04	BHGLSWMU06002 05 ft 1999-06-04	BHGLSWMU12001 00 ft 1999-06-08	BHGLSWMU12001 05 ft 1999-06-08
SW8270C	Diallate (total of cis and trans isomers)	mg/kg	0 39 U	0.38 U	0 41 U	0.38 U
SW8270C	Dibenz(a,h)anthracene	mg/kg	0.39 U	0.38 U	0.41 U	0 38 U
SW8270C	Dibenzofuran	mg/kg	0.39 U	0.38 U	0 41 U	0.26 F
SW8270C	Diethyl phthalate	mg/kg	0.39 U	0.38 U	0.41 U	0.38 U
SW8270C	Dimethyl phthalate	mg/kg	0 39 U	0.38 U	0.41 U	0.38 U
SW8270C	Di-n-butyl phthalate	mg/kg	0.39 U	0.38 U	0.41 U	0.38 U
SW8270C	Di-n-octyl phthalate	mg/kg	0 39 U	0.38 U	0 41 U	0.38 U
SW8270C	Dinoseb	mg/kg	0.77 U	0.75 U	0 82 U	0.77 U
SW8270C	Diphenylamine	mg/kg	0.39 U	0.38 U	0.41 U	0.38 U
SW8270C	Ethyl methanesulfonate	mg/kg	0.77 U	0 75 U	0.82 U	0.77 U
SW8270C	Fluoranthene	mg/kg	0.39 U	0.38 U	0 41 U	0.38 U
SW8270C	Fluorene	mg/kg	0.39 U	0.38 U	0 41 U	0 61
SW8270C	Hexachlorobenzene	mg/kg	0.39 U	0.38 U	0 41 U	0 38 U
SW8270C	Hexachlorobutadiene	mg/kg	0.39 U	0.38 U	0.41 U	0.38 U
SW8270C	Hexachlorocyclopentadiene	mg/kg	0.39 U	0.38 U	0.41 U	0.38 U
SW8270C	Hexachloroethane	mg/kg	0.39 U	0 38 U	0.41 U	0.38 U
SW8270C	Hexachlorophene	mg/kg	5.8 U	5.6 U	6.1 U	5.8 U
SW8270C	Hexachloropropene	mg/kg	1.9 U	1.9 U	2 U	1.9 U
SW8270C	Indeno(1,2,3-c,d)pyrene	mg/kg	0.39 U	0.38 U	0 41 U	0 38 U
SW8270C	Isophorone	mg/kg	0.39 U	0.38 U	0.41 U	0.38 U
SW8270C	Isosafrole	mg/kg	0.39 U	0 38 U	0.41 U	0 38 U
SW8270C	Methapyrilene	mg/kg	0.97 U	0.94 U	1 U	0.96 U
SW8270C	Methyl methanesulfonate	mg/kg	0.39 U	0.38 U	0.41 U	0.38 U
SW8270C	Naphthalene	mg/kg	0.39 U	0 38 U	0.41 U	0.85
SW8270C	Nitrobenzene	mg/kg	0 39 U	0 38 U	0 41 U	0.38 U
SW8270C	N-Nitrosodiethylamine	mg/kg	0 77 U	0.75 U	0 82 U	0.77 U
SW8270C	N-Nitrosodimethylamine	mg/kg	0.77 U	0.75 U	0 82 R	0.77 R
SW8270C	N-Nitrosodi-n-butylamine	mg/kg	0 39 U	0.38 U	0.41 U	0.38 U
SW8270C	N-Nitrosodi-n-propylamine	mg/kg	0.39 U	0.38 U	0.41 U	0 38 U
SW8270C	N-Nitrosodiphenylamine	mg/kg	0.39 U	0.38 U	0.41 U	0.38 U
SW8270C	N-Nitrosomethylethylamine	mg/kg	0.39 U	0.38 U	0 41 U	0.38 U
SW8270C	N-Nitrosomorpholine	mg/kg	0 77 U	0 75 U	0.82 U	0 77 U
SW8270C	N-Nitrosopiperidine	mg/kg	0.39 U	0.38 U	0.41 U	0.38 U
SW8270C	N-Nitrosopyrrolidine	mg/kg	0.77 U	0.75 U	0.82 U	0.77 U
SW8270C	o-Toluidine	mg/kg	0 77 U	0 75 U	0 82 U	0 77 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU06002 00 ft 1999-06-04	BHGLSWMU06002 05 ft 1999-06-04	BHGLSWMU12001 00 ft 1999-06-08	BHGLSWMU12001 05 ft 1999-06-08
SW8270C	p-Dimethylaminoazobenzene	mg/kg	0.77 U	0 75 U	0.82 U	0.77 U
SW8270C	Pentachlorobenzene	mg/kg	0.39 U	0.38 U	0.41 U	0.38 U
SW8270C	Pentachloronitrobenzene	mg/kg	0 39 U	0.38 U	0 41 U	0 38 U
SW8270C	Pentachlorophenol	mg/kg	1.9 U	1 9 U	2 U	1 9 U
SW8270C	Phenacetin	mg/kg	0.39 U	0 38 U	0 41 U	0.38 U
SW8270C	Phenanthrene	mg/kg	0.39 U	0.38 U	0.41 U	0.57
SW8270C	Phenol	mg/kg	0.39 U	0.38 U	0 41 U	0.38 U
SW8270C	p-Phenylenediamine	mg/kg	1.5 U	1.5 U	1 6 U	1.5 U
SW8270C	Pronamide	mg/kg	0.39 U	0.38 U	0 41 U	0 38 U
SW8270C	Pyrene	mg/kg	0.39 U	0 38 U	0 41 U	0.38 U
SW8270C	Pyridine	mg/kg	0.77 U	0 75 U	0.82 R	0.77 R
SW8270C	Safrole	mg/kg	0.39 U	0.38 U	0.41 U	0.38 U
SW9045C	pH	pH Units	8.1	8 2	NA	NA
TX1005	Petroleum Hydrocarbons, Gasoline (C6 - C10)	mg/kg	54 UJ	54 UJ	3.7 F	390
TX1005	Petroleum Hydrocarbons, Heavy/Residual Fuel Oils (>C10 - C28)	mg/kg	54 UJ	54 UJ	11 F	380
TX1005	Petroleum Hydrocarbons, total (C6 - C28)	mg/kg	54 UJ	54 UJ	15 F	770

Notes
RRS 1 = Risk Reduction Standard 1
RRS 2 = Risk Reduction Standard 2
F = Estimated value below reporting limit and above the MDL
J = Estimated value above the reporting limit
U = The analyte was not detected The associated numerical value is the MQL
UJ = The analyte was not detected The associated numerical value is the MQL, estimated due to deficiences in the QC criteria
R = The associated result was rejected due to deficiencies in QC criteria

Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU12001 10 ft 1999-06-08	BHGLSWMU12002 00 ft 1999-06-08	BHGLSWMU12002 05 ft 1999-06-08	BHGLSWMU12002 10 ft 1999-06-08
M5500	Ethylene glycol	mg/kg	NA	NA	NA	NA
SW6010B	Antimony	mg/kg	3.7 UJ	3.4 UJ	4 UJ	3.6 UJ
SW6010B	Arsenic	mg/kg	10 5 J	4.4 J	3 9 F	1.7 F
SW6010B	Barium	mg/kg	123	79.3	82.5	67.9
SW6010B	Beryllium	mg/kg	0 58	0.56	0.92	0.66
SW6010B	Cadmium	mg/kg	0.37 U	0.98	0.06 F	0.05 F
SW6010B	Chromium, total	mg/kg	4 2 F	15.2 J	14.2 J	6 F
SW6010B	Cobalt	mg/kg	4.4 F	4 1 F	4 9	4 5
SW6010B	Copper	mg/kg	5.7 F	10.3 J	8 4 J	7.8 J
SW6010B	Lead	mg/kg	8.2	89.4	10 1	8.6
SW6010B	Nickel	mg/kg	6.3 F	8.6	9.9	6 F
SW6010B	Tin	mg/kg	29.7 U	27.5 U	32.2 U	28 6 U
SW6010B	Vanadium	mg/kg	10.2 F	18.4 F	27 2 J	12 3 F
SW6010B	Zinc	mg/kg	10.5 F	84.8	19.8 F	14.7 F
SW7421	Lead	mg/kg	NA	NA	NA	NA
SW7471A	Mercury	mg/kg	0 04 U	0.04 U	0 04 U	0 04 U
SW7740	Selenium	mg/kg	0.21 UJ	0.25 F	0.24 F	0.25 F
SW7761	Silver	mg/kg	0.07 F	0.11 F	0.1 F	0.1 F
SW7841	Thallium	mg/kg	0.72 U	0.68 U	0 15 F	0.7 U
SW8260B	1,1,1,2-Tetrachloroethane	mg/kg	0 003 U	0.003 U	0.003 U	0.003 U
SW8260B	1,1,1-Trichloroethane	mg/kg	0.004 U	0 004 U	0 004 U	0.004 U
SW8260B	1,1,2,2-Tetrachloroethane	mg/kg	0.002 U	0.002 U	0.002 U	0 002 UJ
SW8260B	1,1,2-Trichloroethane	mg/kg	0.005 U	0.004 U	0.005 U	0 005 U
SW8260B	1,1-Dichloroethane	mg/kg	0 002 U	0 002 U	0 002 U	0.002 U
SW8260B	1,1-Dichloroethene	mg/kg	0 005 U	0.004 U	0.005 U	0 005 U
SW8260B	1,2,3-Trichloropropane	mg/kg	0.005 U	0.004 U	0 005 U	0.005 UJ
SW8260B	1,2-Dibromo-3-chloropropane	mg/kg	0 005 U	0.004 U	0.005 U	0 005 UJ
SW8260B	1,2-Dibromoethane (Ethylene dibromide)	mg/kg	0.003 U	0.003 U	0 003 U	0 003 U
SW8260B	1,2-Dichloroethane	mg/kg	0 003 U	0 003 U	0.003 U	0.003 U
SW8260B	1,2-Dichloropropane	mg/kg	0 002 U	0.002 U	0.002 U	0.002 U
SW8260B	2-Chloro-1,3-butadiene	mg/kg	0 005 U	0 004 U	0 005 U	0.005 U
SW8260B	2-Hexanone	mg/kg	0.005 U	0.004 U	0.005 U	0 005 U
SW8260B	Acetone	mg/kg	0 005 U	0 004 U	0 005 U	0.005 U
SW8260B	Acetonitrile	mg/kg	0.039 U	0.036 U	0.042 U	0 037 U
SW8260B	Acrolein	mg/kg	0.098 U	0.09 U	0.1 U	0.094 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU12001 10 ft 1999-06-08	BHGLSWMU12002 00 ft 1999-06-08	BHGLSWMU12002 05 ft 1999-06-08	BHGLSWMU12002 10 ft 1999-06-08
SW8260B	Acrylonitrile	mg/kg	0.039 U	0.036 U	0.042 U	0.037 U
SW8260B	Allyl chloride (3-Chloropropene)	mg/kg	0.01 U	0.009 U	0 01 U	0.009 U
SW8260B	Benzene	mg/kg	0.003	0.002 U	0 003	0.006
SW8260B	Bromodichloromethane	mg/kg	0.004 U	0 004 U	0 004 U	0.004 U
SW8260B	Bromoform	mg/kg	0 005 R	0.004 R	0.005 R	0.005 U
SW8260B	Bromomethane	mg/kg	0.005 U	0.004 U	0.005 U	0.005 U
SW8260B	Carbon disulfide	mg/kg	0.005 U	0.004 U	0.005 U	0.005 U
SW8260B	Carbon tetrachloride	mg/kg	0.005 U	0 004 U	0 005 U	0.005 U
SW8260B	Chlorobenzene	mg/kg	0.002 U	0.002 U	0 002 U	0.002 U
SW8260B	Chloroethane	mg/kg	0.005 U	0.004 U	0.005 U	0.005 U
SW8260B	Chloroform	mg/kg	0 002 U	0.002 U	0.002 U	0 002 U
SW8260B	Chloromethane	mg/kg	0.005 U	0 004 U	0 005 U	0 005 U
SW8260B	cis-1,2-Dichloroethene	mg/kg	0.005 U	0 004 U	0 005 U	0.005 U
SW8260B	cis-1,3-Dichloropropene	mg/kg	0.005 U	0.004 U	0.005 U	0.005 U
SW8260B	Dibromochloromethane	mg/kg	0 003 U	0.003 U	0.003 U	0.003 U
SW8260B	Dibromomethane	mg/kg	0.005 U	0.004 U	0.005 U	0.005 U
SW8260B	Dichlorodifluoromethane	mg/kg	0.005 R	0 004 R	0 005 R	0.005 R
SW8260B	Ethyl methacrylate	mg/kg	0 005 U	0.004 U	0 005 U	0.005 U
SW8260B	Ethylbenzene	mg/kg	0.003 U	0.003 U	0.003 U	0.003 U
SW8260B	Iodomethane (Methyl iodide)	mg/kg	0.005 U	0.004 U	0.005 U	0.005 U
SW8260B	Isobutanol	mg/kg	0 2 U	0.18 U	0.21 U	0.19 U
SW8260B	m,p-Xylene (sum of isomers)	mg/kg	0.005 U	0.004 U	0.005 U	0 005 U
SW8260B	Methyl ethyl ketone (2-Butanone)	mg/kg	0.005 U	0 004 U	0 005 U	0.005 U
SW8260B	Methyl isobutyl ketone (4-Methyl-2-pentanone)	mg/kg	0.005 U	0 004 U	0 005 U	0.005 U
SW8260B	Methyl methacrylate	mg/kg	0 005 U	0.004 U	0.005 U	0.005 U
SW8260B	Methylacrylonitrile	mg/kg	0.005 U	0.004 U	0.005 U	0.005 U
SW8260B	Methylene chloride	mg/kg	0.002 U	0.002 U	0 002 U	0 002 U
SW8260B	o-Xylene (1,2-Dimethylbenzene)	mg/kg	0 005 U	0.004 U	0 005 U	0.005 U
SW8260B	Pentachloroethane	mg/kg	0.005 U	0.004 U	0.005 U	0.005 U
SW8260B	Propane nitrile (Propionitrile)	mg/kg	0 02 U	0.018 U	0.021 U	0.019 U
SW8260B	Styrene	mg/kg	0.002 R	0.002 R	0 002 R	0.002 U
SW8260B	Tetrachloroethene (PCE)	mg/kg	0.005 U	0.004 U	0.005 U	0 005 U
SW8260B	Toluene	mg/kg	0.005 U	0 004 U	0.005 U	0 005 U
SW8260B	Trans-1,2-Dichloroethene	mg/kg	0 003 U	0 003 U	0.003 U	0.003 U
SW8260B	Trans-1,3-Dichloropropene	mg/kg	0.005 U	0.004 U	0 005 U	0.005 U

Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU12001 10 ft 1999-06-08	BHGLSWMU12002 00 ft 1999-06-08	BHGLSWMU12002 05 ft 1999-06-08	BHGLSWMU12002 10 ft 1999-06-08
SW8260B	Trans-1,4-Dichloro-2-Butene	mg/kg	0.005 U	0 004 U	0.005 U	0.005 U
SW8260B	Trichloroethene (TCE)	mg/kg	0 005 U	0.004 U	0.005 U	0 005 U
SW8260B	Trichlorofluoromethane	mg/kg	NA	NA	NA	NA
SW8260B	Vinyl acetate	mg/kg	0.005 U	0.004 U	0 005 U	0.005 U
SW8260B	Vinyl chloride	mg/kg	0 005 U	0.004 U	0 005 U	0.007
SW8270C	1,2,4,5-Tetrachlorobenzene	mg/kg	0.38 U	0 37 U	0 41 U	0.39 U
SW8270C	1,2,4-Trichlorobenzene	mg/kg	0.38 U	0.37 U	0 41 U	0.39 U
SW8270C	1,2-Dichlorobenzene	mg/kg	0.38 U	0.37 U	0.41 U	0.39 U
SW8270C	1,3,5-Trinitrobenzene	mg/kg	1.5 U	1.5 U	1.6 U	1 6 U
SW8270C	1,3-Dichlorobenzene	mg/kg	0.38 U	0 37 U	0.41 U	0.39 U
SW8270C	1,3-Dinitrobenzene	mg/kg	0 38 U	0 37 U	0.41 U	0 39 U
SW8270C	1,4-Dichlorobenzene	mg/kg	0.38 U	0.37 U	0.41 U	0.39 U
SW8270C	1,4-Dioxane (p-Dioxane)	mg/kg	1.5 U	1.5 U	1 6 U	1.6 U
SW8270C	1,4-Naphthoquinone	mg/kg	1.9 U	1.8 U	2 U	2 U
SW8270C	1-Naphthylamine	mg/kg	0.76 U	0.74 U	0.81 U	0 78 U
SW8270C	2,2'-Oxybis(1-chloropropane)	mg/kg	0.38 R	0.37 R	0.41 R	0 39 R
SW8270C	2,3,4,6-Tetrachlorophenol	mg/kg	0.38 U	0.37 U	0.41 U	0 39 U
SW8270C	2,4,5-Trichlorophenol	mg/kg	1.9 U	1.8 U	2 U	2 U
SW8270C	2,4,6-Trichlorophenol	mg/kg	0.38 U	0.37 U	0.41 U	0.39 U
SW8270C	2,4-Dichlorophenol	mg/kg	0 38 U	0 37 U	0.41 U	0.39 U
SW8270C	2,4-Dimethylphenol	mg/kg	0.38 U	0 37 U	0.41 U	0.39 U
SW8270C	2,4-Dinitrophenol	mg/kg	1.9 U	1.8 U	2 U	2 U
SW8270C	2,4-Dinitrotoluene	mg/kg	0.38 U	0.37 U	0.41 U	0.39 U
SW8270C	2,6-Dichlorophenol	mg/kg	0 76 U	0 74 U	0.81 U	0.78 U
SW8270C	2,6-Dinitrotoluene	mg/kg	0.38 U	0.37 U	0.41 U	0.39 U
SW8270C	2-Acetylaminofluorene	mg/kg	0 76 U	0.74 U	0.81 U	0.78 U
SW8270C	2-Aminonaphthalene (beta-Naphthylamine)	mg/kg	0.76 U	0.74 U	0 81 U	0.78 U
SW8270C	2-Chloronaphthalene	mg/kg	0.38 U	0.37 U	0 41 U	0.39 U
SW8270C	2-Chlorophenol	mg/kg	0.38 U	0.37 U	0 41 U	0 39 U
SW8270C	2-Methylnaphthalene	mg/kg	0.38 U	0.37 U	0.41 U	0.39 U
SW8270C	2-Methylphenol (o-Cresol)	mg/kg	0 38 U	0 37 U	0.41 U	0.39 U
SW8270C	2-Nitroaniline	mg/kg	1.9 U	1.8 U	2 U	2 U
SW8270C	2-Nitrophenol	mg/kg	0.38 U	0.37 U	0.41 U	0.39 U
SW8270C	2-Picoline (alpha-Picoline)	mg/kg	0.38 U	0 37 U	0.41 U	0.39 U
SW8270C	3,3'-Dichlorobenzidine	mg/kg	0 76 U	0.74 U	0 81 U	0 78 U

Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU12001 10 ft 1999-06-08	BHGLSWMU12002 00 ft 1999-06-08	BHGLSWMU12002 05 ft 1999-06-08	BHGLSWMU12002 10 ft 1999-06-08
SW8270C	3,3'-Dimethylbenzidine	mg/kg	1.9 U	1.8 U	2 U	2 U
SW8270C	3-Methylcholanthrene	mg/kg	0.38 U	0.37 U	0.41 U	0.39 U
SW8270C	3-Nitroaniline	mg/kg	1.9 U	1.8 U	2 U	2 U
SW8270C	4,6-Dinitro-2-methylphenol	mg/kg	1 9 U	1.8 U	2 U	2 U
SW8270C	4-Aminobiphenyl (4-Biphenylamine)	mg/kg	0.76 U	0.74 U	0.81 U	0.78 U
SW8270C	4-Bromophenyl phenyl ether	mg/kg	0.38 U	0 37 U	0 41 U	0.39 U
SW8270C	4-Chloro-3-methylphenol	mg/kg	0.76 U	0.74 U	0.81 U	0 78 U
SW8270C	4-Chloroaniline	mg/kg	0.76 U	0.74 U	0.81 U	0.78 U
SW8270C	4-Chlorophenyl phenyl ether	mg/kg	0.38 U	0 37 U	0.41 U	0.39 U
SW8270C	4-Nitroaniline	mg/kg	1.9 U	1.8 U	2 U	2 U
SW8270C	4-Nitrophenol	mg/kg	1.9 U	1.8 U	2 U	2 U
SW8270C	4-Nitroquinoline-1-oxide	mg/kg	1.9 U	1 8 U	2 U	2 U
SW8270C	5-Nitro-o-toluidine	mg/kg	0 76 U	0.74 U	0.81 U	0.78 U
SW8270C	7,12-Dimethylbenzo(a)anthracene	mg/kg	0.76 U	0.74 U	0 81 U	0.78 U
SW8270C	Acenaphthene	mg/kg	0.38 U	0.37 U	0.41 U	0.39 U
SW8270C	Acenaphthylene	mg/kg	0.38 U	0.37 U	0.41 U	0.39 U
SW8270C	Acetophenone	mg/kg	0.76 U	0.74 U	0 81 U	0.78 U
SW8270C	alpha, alpha-Dimethylphenethylamine	mg/kg	1.9 U	1 8 U	2 U	2 U
SW8270C	Aniline (Phenylamine, Aminobenzene)	mg/kg	0.38 U	0 37 U	0.41 U	0.39 U
SW8270C	Anthracene	mg/kg	0.38 U	0 37 U	0.41 U	0.39 U
SW8270C	Aramite (total)	mg/kg	0.76 U	0.74 U	0.81 U	0 78 U
SW8270C	Benzo(a)anthracene	mg/kg	0.38 U	0.22 F	0 41 U	0.39 U
SW8270C	Benzo(a)pyrene	mg/kg	0.38 U	0.22 F	0 41 U	0.39 U
SW8270C	Benzo(b)fluoranthene	mg/kg	0 38 U	0.32 F	0.41 U	0.39 U
SW8270C	Benzo(g,h,i)perylene	mg/kg	0.38 U	0.15 F	0 41 U	0.39 U
SW8270C	Benzo(k)fluoranthene	mg/kg	0.38 U	0.13 F	0 41 U	0.39 U
SW8270C	Benzoic acid	mg/kg	1 9 U	1 8 U	2 U	2 U
SW8270C	Benzyl alcohol	mg/kg	0.38 U	0.37 U	0 41 U	0.39 U
SW8270C	Benzyl butyl phthalate	mg/kg	0 38 U	0 37 U	0.41 U	0 39 U
SW8270C	bis(2-Chloroethoxy)methane	mg/kg	0.38 U	0.37 U	0 41 U	0.39 U
SW8270C	bis(2-Chloroethyl)ether (2-Chloroethyl ether)	mg/kg	0 38 U	0.37 U	0.41 U	0.39 U
SW8270C	bis(2-Ethylhexyl)phthalate	mg/kg	0.38 U	0.37 U	0 41 U	0.39 U
SW8270C	Chlorobenzilate	mg/kg	0 38 U	0 37 U	0.41 U	0.39 U
SW8270C	Chrysene	mg/kg	0.38 U	0 25 F	0.41 U	0 39 U
SW8270C	Cresols, m & p	mg/kg	0.38 U	0.37 U	0.41 U	0.39 U

Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU12001 10 ft 1999-06-08	BHGLSWMU12002 00 ft 1999-06-08	BHGLSWMU12002 05 ft 1999-06-08	BHGLSWMU12002 10 ft 1999-06-08
SW8270C	Diallate (total of cis and trans isomers)	mg/kg	0.38 U	0.37 U	0 41 U	0.39 U
SW8270C	Dibenz(a,h)anthracene	mg/kg	0.38 U	0.37 U	0.41 U	0.39 U
SW8270C	Dibenzofuran	mg/kg	0.38 U	0.37 U	0 41 U	0.39 U
SW8270C	Diethyl phthalate	mg/kg	0.38 U	0 37 U	0 41 U	0 39 U
SW8270C	Dimethyl phthalate	mg/kg	0.38 U	0.37 U	0.41 U	0.39 U
SW8270C	Di-n-butyl phthalate	mg/kg	0.38 U	0.37 U	0.41 U	0.39 U
SW8270C	Di-n-octyl phthalate	mg/kg	0 38 U	0.37 U	0.41 U	0.39 U
SW8270C	Dinoseb	mg/kg	0.76 U	0.74 U	0.81 U	0.78 U
SW8270C	Diphenylamine	mg/kg	0.38 U	0.37 U	0.41 U	0.39 U
SW8270C	Ethyl methanesulfonate	mg/kg	0.76 U	0.74 U	0 81 U	0 78 U
SW8270C	Fluoranthene	mg/kg	0.38 U	0 37 F	0 41 U	0.39 U
SW8270C	Fluorene	mg/kg	0.38 U	0.37 U	0 41 U	0 39 U
SW8270C	Hexachlorobenzene	mg/kg	0 38 U	0.37 U	0 41 U	0.39 U
SW8270C	Hexachlorobutadiene	mg/kg	0.38 U	0.37 U	0.41 U	0.39 U
SW8270C	Hexachlorocyclopentadiene	mg/kg	0.38 U	0.37 U	0.41 U	0 39 U
SW8270C	Hexachloroethane	mg/kg	0.38 U	0 37 U	0 41 U	0.39 U
SW8270C	Hexachlorophene	mg/kg	5 7 U	5.6 U	6.1 U	5.9 U
SW8270C	Hexachloropropene	mg/kg	1.9 U	1.8 U	2 U	2 U
SW8270C	Indeno(1,2,3-c,d)pyrene	mg/kg	0.38 U	0.18 F	0 41 U	0.39 U
SW8270C	Isophorone	mg/kg	0.38 U	0.37 U	0 41 U	0.39 U
SW8270C	Isosafrole	mg/kg	0.38 U	0.37 U	0.41 U	0.39 U
SW8270C	Methapyrilene	mg/kg	0.95 U	0.93 U	1 U	0.98 U
SW8270C	Methyl methanesulfonate	mg/kg	0.38 U	0.37 U	0.41 U	0 39 U
SW8270C	Naphthalene	mg/kg	0.38 U	0 37 U	0 41 U	0.39 U
SW8270C	Nitrobenzene	mg/kg	0.38 U	0.37 U	0.41 U	0 39 U
SW8270C	N-Nitrosodiethylamine	mg/kg	0.76 U	0.74 U	0 81 U	0.78 U
SW8270C	N-Nitrosodimethylamine	mg/kg	0.76 R	0 74 R	0 81 R	0.78 R
SW8270C	N-Nitrosodi-n-butylamine	mg/kg	0 38 U	0.37 U	0.41 U	0.39 U
SW8270C	N-Nitrosodi-n-propylamine	mg/kg	0.38 U	0.37 U	0 41 U	0.39 U
SW8270C	N-Nitrosodiphenylamine	mg/kg	0 38 U	0.37 U	0.41 U	0.39 U
SW8270C	N-Nitrosomethylethylamine	mg/kg	0.38 U	0 37 U	0 41 U	0 39 U
SW8270C	N-Nitrosomorpholine	mg/kg	0 76 U	0.74 U	0.81 U	0.78 U
SW8270C	N-Nitrosopiperidine	mg/kg	0.38 U	0.37 U	0 41 U	0.39 U
SW8270C	N-Nitrosopyrrolidine	mg/kg	0.76 U	0.74 U	0.81 U	0.78 U
SW8270C	o-Toluidine	mg/kg	0.76 U	0.74 U	0.81 U	0 78 U

Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU12001 10 ft 1999-06-08	BHGLSWMU12002 00 ft 1999-06-08	BHGLSWMU12002 05 ft 1999-06-08	BHGLSWMU12002 10 ft 1999-06-08
SW8270C	p-Dimethylaminoazobenzene	mg/kg	0.76 U	0.74 U	0.81 U	0 78 U
SW8270C	Pentachlorobenzene	mg/kg	0.38 U	0.37 U	0 41 U	0.39 U
SW8270C	Pentachloronitrobenzene	mg/kg	0.38 U	0 37 U	0.41 U	0 39 U
SW8270C	Pentachlorophenol	mg/kg	1.9 U	1.8 U	2 U	2 U
SW8270C	Phenacetin	mg/kg	0.38 U	0.37 U	0.41 U	0 39 U
SW8270C	Phenanthrene	mg/kg	0.38 U	0.13 F	0.41 U	0 39 U
SW8270C	Phenol	mg/kg	0 38 U	0.37 U	0.41 U	0.39 U
SW8270C	p-Phenylenediamine	mg/kg	1.5 U	1.5 U	1.6 U	1 6 U
SW8270C	Pronamide	mg/kg	0.38 U	0.37 U	0.41 U	0.39 U
SW8270C	Pyrene	mg/kg	0.38 U	0.42	0.41 U	0.39 U
SW8270C	Pyridine	mg/kg	0.76 R	0.74 R	0.81 R	0.78 R
SW8270C	Safrole	mg/kg	0.38 U	0 37 U	0.41 U	0.39 U
SW9045C	pH	pH Units	NA	NA	NA	NA
TX1005	Petroleum Hydrocarbons, Gasoline (C6 - C10)	mg/kg	3.4 F	3.5 F	3.6 F	3.5 F
TX1005	Petroleum Hydrocarbons, Heavy/Residual Fuel Oils (>C10 - C28)	mg/kg	46 F	8 7 F	23 F	36 F
TX1005	Petroleum Hydrocarbons, total (C6 - C28)	mg/kg	49 F	12 F	27 F	40 F

Notes
RRS 1 = Risk Reduction Standard 1
RRS 2 = Risk Reduction Standard 2
F = Estimated value below reporting limit and above the MDL
J = Estimated value above the reporting limit
U = The analyte was not detected The associated numerical value is the MQL
UJ = The analyte was not detected The associated numerical value is the MQL, estimated due to deficiences in the QC criteria
R = The associated result was rejected due to deficiencies in QC criteria

Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU12003 00 ft 1999-06-08	BHGLSWMU12003 05 ft 1999-06-08	BHGLSWMU12003 10 ft 1999-06-08	BHGLSWMU31001 00 ft 1999-06-07
M5500	Ethylene glycol	mg/kg	NA	NA	NA	NA
SW6010B	Antimony	mg/kg	3.7 UJ	0 48 F	0.54 F	3.4 U
SW6010B	Arsenic	mg/kg	3 7 F	6.5 J	2 1 F	3 F
SW6010B	Barium	mg/kg	51.9	63.4	49	506
SW6010B	Beryllium	mg/kg	0 44	0 52	0.41	0.29
SW6010B	Cadmium	mg/kg	0 74	0.36 U	0.1 F	1.5
SW6010B	Chromium, total	mg/kg	11.7 J	9.3 J	7.9 J	40.6
SW6010B	Cobalt	mg/kg	3 3 F	7.5	3.8 F	4.5
SW6010B	Copper	mg/kg	6.4 F	15.8 J	5.4 F	23.3
SW6010B	Lead	mg/kg	57.8	8.3	7.7	159
SW6010B	Nickel	mg/kg	7 F	7.9	7 F	8.4
SW6010B	Tin	mg/kg	29 4 U	28.6 U	29 1 U	27.5 U
SW6010B	Vanadium	mg/kg	17.2 F	22.5 J	13 7 F	16 3 F
SW6010B	Zinc	mg/kg	97.9	17.5 F	17.3 F	123
SW7421	Lead	mg/kg	NA	NA	NA	NA
SW7471A	Mercury	mg/kg	0.04 U	0.04 U	0.04 U	0.57
SW7740	Selenium	mg/kg	0.16 F	0.15 F	0 43 U	0.21 UJ
SW7761	Silver	mg/kg	0.09 F	0.17 U	0 14 U	0.14 UJ
SW7841	Thallium	mg/kg	0.75 UJ	0 76 UJ	0.72 UJ	0.71 UJ
SW8260B	1,1,1,2-Tetrachloroethane	mg/kg	0.003 U	0.003 U	0.003 U	0 003 U
SW8260B	1,1,1-Trichloroethane	mg/kg	0.004 U	0 004 U	0 004 U	0 004 U
SW8260B	1,1,2,2-Tetrachloroethane	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U
SW8260B	1,1,2-Trichloroethane	mg/kg	0 005 U	0.005 U	0.005 U	0.005 U
SW8260B	1,1-Dichloroethane	mg/kg	0.002 U	0 002 U	0 002 U	0.002 U
SW8260B	1,1-Dichloroethene	mg/kg	0.005 U	0.005 U	0 005 U	0.005 U
SW8260B	1,2,3-Trichloropropane	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	1,2-Dibromo-3-chloropropane	mg/kg	0.005 U	0.005 U	0 005 U	0 005 R
SW8260B	1,2-Dibromoethane (Ethylene dibromide)	mg/kg	0.003 U	0 003 U	0 003 U	0.003 U
SW8260B	1,2-Dichloroethane	mg/kg	0.003 U	0.003 U	0.003 U	0.003 U
SW8260B	1,2-Dichloropropane	mg/kg	0.002 U	0 002 U	0 002 U	0.002 U
SW8260B	2-Chloro-1,3-butadiene	mg/kg	0.005 U	0.005 U	0.005 U	0 005 U
SW8260B	2-Hexanone	mg/kg	0.005 U	0.005 U	0 005 U	0.005 U
SW8260B	Acetone	mg/kg	0.005 U	0.005 U	0.012	0 005 U
SW8260B	Acetonitrile	mg/kg	0.039 U	0.04 U	0 043 U	0.041 U
SW8260B	Acrolein	mg/kg	0.098 U	0 1 U	0.11 U	0.1 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU12003 00 ft 1999-06-08	BHGLSWMU12003 05 ft 1999-06-08	BHGLSWMU12003 10 ft 1999-06-08	BHGLSWMU31001 00 ft 1999-06-07
SW8260B	Acrylonitrile	mg/kg	0.039 U	0 04 U	0 043 U	0.041 U
SW8260B	Allyl chloride (3-Chloropropene)	mg/kg	0.01 U	0 01 U	0 011 U	0 01 U
SW8260B	Benzene	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U
SW8260B	Bromodichloromethane	mg/kg	0 004 U	0.004 U	0 004 U	0.004 U
SW8260B	Bromoform	mg/kg	0 005 R	0.005 U	0 005 U	0.005 U
SW8260B	Bromomethane	mg/kg	0.005 U	0.005 R	0.005 R	0.005 R
SW8260B	Carbon disulfide	mg/kg	0.005 U	0.005 U	0.005 U	0 005 U
SW8260B	Carbon tetrachloride	mg/kg	0 005 U	0 005 U	0 005 U	0.005 U
SW8260B	Chlorobenzene	mg/kg	0 002 U	0.002 U	0 002 U	0.002 U
SW8260B	Chloroethane	mg/kg	0 005 U	0.005 U	0 005 U	0.005 U
SW8260B	Chloroform	mg/kg	0.002 U	0 002 U	0.002 U	0 002 U
SW8260B	Chloromethane	mg/kg	0.005 U	0 005 U	0.005 U	0 005 U
SW8260B	cis-1,2-Dichloroethene	mg/kg	0 005 U	0 005 U	0 005 U	0.005 U
SW8260B	cis-1,3-Dichloropropene	mg/kg	0 005 U	0.005 U	0.005 U	0.005 U
SW8260B	Dibromochloromethane	mg/kg	0.003 U	0.003 U	0.003 U	0.003 U
SW8260B	Dibromomethane	mg/kg	0.005 U	0.005 U	0.005 U	0 005 U
SW8260B	Dichlorodifluoromethane	mg/kg	0.005 R	0.005 R	0 005 R	0 005 R
SW8260B	Ethyl methacrylate	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Ethylbenzene	mg/kg	0 003 U	0.003 U	0 003 U	0.003 U
SW8260B	Iodomethane (Methyl iodide)	mg/kg	0 005 U	0.005 U	0.005 U	0.005 U
SW8260B	Isobutanol	mg/kg	0 2 U	0 2 U	0.21 U	0 2 U
SW8260B	m,p-Xylene (sum of isomers)	mg/kg	0.005 U	0.005 R	0.005 R	0.005 U
SW8260B	Methyl ethyl ketone (2-Butanone)	mg/kg	0.005 U	0 005 U	0 005 U	0 005 U
SW8260B	Methyl isobutyl ketone (4-Methyl-2-pentanone)	mg/kg	0.005 U	0 005 U	0.005 U	0.005 U
SW8260B	Methyl methacrylate	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Methylacrylonitrile	mg/kg	0 005 U	0.005 U	0.005 U	0 005 U
SW8260B	Methylene chloride	mg/kg	0.002 U	0.002 U	0.002 U	0 002 U
SW8260B	o-Xylene (1,2-Dimethylbenzene)	mg/kg	0.005 U	0.005 U	0 005 U	0 005 U
SW8260B	Pentachloroethane	mg/kg	0.005 U	0 005 U	0.005 U	0.005 U
SW8260B	Propane nitrile (Propionitrile)	mg/kg	0.02 U	0.02 U	0.021 U	0 02 U
SW8260B	Styrene	mg/kg	0.002 R	0 002 R	0.002 R	0 002 U
SW8260B	Tetrachloroethene (PCE)	mg/kg	0.005 U	0 005 U	0 005 U	0.005 U
SW8260B	Toluene	mg/kg	0.005 U	0.005 U	0 005 U	0.005 U
SW8260B	Trans-1,2-Dichloroethene	mg/kg	0.003 U	0.003 U	0 003 U	0 003 U
SW8260B	Trans-1,3-Dichloropropene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U

Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU12003 00 ft 1999-06-08	BHGLSWMU12003 05 ft 1999-06-08	BHGLSWMU12003 10 ft 1999-06-08	BHGLSWMU31001 00 ft 1999-06-07
SW8260B	Trans-1,4-Dichloro-2-Butene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Trichloroethene (TCE)	mg/kg	0.005 U	0.005 U	0 005 U	0.005 U
SW8260B	Trichlorofluoromethane	mg/kg	NA	NA	NA	0.004 R
SW8260B	Vinyl acetate	mg/kg	0.005 U	0 005 U	0.005 U	0.005 U
SW8260B	Vinyl chloride	mg/kg	0 005 U	0.005 U	0.003 F	0.005 U
SW8270C	1,2,4,5-Tetrachlorobenzene	mg/kg	0.38 U	0 4 U	0.39 U	0.36 U
SW8270C	1,2,4-Trichlorobenzene	mg/kg	0 38 U	0.4 U	0.39 U	0.36 U
SW8270C	1,2-Dichlorobenzene	mg/kg	0.38 U	0 4 U	0.39 U	0.36 U
SW8270C	1,3,5-Trinitrobenzene	mg/kg	1.5 U	1.6 U	1 6 U	1.4 U
SW8270C	1,3-Dichlorobenzene	mg/kg	0 38 U	0.4 U	0 39 U	0.36 U
SW8270C	1,3-Dinitrobenzene	mg/kg	0.38 U	0.4 U	0.39 U	0.36 U
SW8270C	1,4-Dichlorobenzene	mg/kg	0 38 U	0.4 U	0.39 U	0.36 U
SW8270C	1,4-Dioxane (p-Dioxane)	mg/kg	1.5 U	1 6 U	1.6 U	1.4 U
SW8270C	1,4-Naphthoquinone	mg/kg	1.9 U	2 U	2 U	1 8 U
SW8270C	1-Naphthylamine	mg/kg	0.75 U	0.8 U	0.78 U	0 72 U
SW8270C	2,2'-Oxybis(1-chloropropane)	mg/kg	0.38 R	0.4 R	0.39 R	0.36 U
SW8270C	2,3,4,6-Tetrachlorophenol	mg/kg	0.38 U	0.4 U	0.39 U	0.36 U
SW8270C	2,4,5-Trichlorophenol	mg/kg	1.9 U	2 U	2 U	1.8 U
SW8270C	2,4,6-Trichlorophenol	mg/kg	0.38 U	0 4 U	0.39 U	0.36 U
SW8270C	2,4-Dichlorophenol	mg/kg	0.38 U	0.4 U	0 39 U	0.36 U
SW8270C	2,4-Dimethylphenol	mg/kg	0 38 U	0.4 U	0.39 U	0 36 U
SW8270C	2,4-Dinitrophenol	mg/kg	1.9 U	2 U	2 U	1.8 U
SW8270C	2,4-Dinitrotoluene	mg/kg	0 38 U	0.4 U	0.39 U	0.36 U
SW8270C	2,6-Dichlorophenol	mg/kg	0.75 U	0 8 U	0.78 U	0 72 U
SW8270C	2,6-Dinitrotoluene	mg/kg	0.38 U	0.4 U	0 39 U	0.36 U
SW8270C	2-Acetylaminofluorene	mg/kg	0.75 U	0 8 U	0.78 U	0 72 U
SW8270C	2-Aminonaphthalene (beta-Naphthylamine)	mg/kg	0.75 U	0.8 U	0.78 U	0.72 U
SW8270C	2-Chloronaphthalene	mg/kg	0.38 U	0.4 U	0 39 U	0.36 U
SW8270C	2-Chlorophenol	mg/kg	0.38 U	0 4 U	0.39 U	0.36 U
SW8270C	2-Methylnaphthalene	mg/kg	0.38 U	0.4 U	0.39 U	0 36 U
SW8270C	2-Methylphenol (o-Cresol)	mg/kg	0.38 U	0.4 U	0.39 U	0.36 U
SW8270C	2-Nitroaniline	mg/kg	1.9 U	2 U	2 U	1 8 U
SW8270C	2-Nitrophenol	mg/kg	0.38 U	0 4 U	0.39 U	0 36 U
SW8270C	2-Picoline (alpha-Picoline)	mg/kg	0.38 U	0.4 U	0.39 U	0.36 U
SW8270C	3,3'-Dichlorobenzidine	mg/kg	0.75 U	0 8 U	0 78 U	0 72 U

Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU12003 00 ft 1999-06-08	BHGLSWMU12003 05 ft 1999-06-08	BHGLSWMU12003 10 ft 1999-06-08	BHGLSWMU31001 00 ft 1999-06-07
SW8270C	3,3'-Dimethylbenzidine	mg/kg	1.9 U	2 U	2 U	1.8 U
SW8270C	3-Methylcholanthrene	mg/kg	0.38 U	0.4 U	0 39 U	0.36 U
SW8270C	3-Nitroaniline	mg/kg	1.9 U	2 U	2 U	1.8 U
SW8270C	4,6-Dinitro-2-methylphenol	mg/kg	1.9 U	2 U	2 U	1.8 U
SW8270C	4-Aminobiphenyl (4-Biphenylamine)	mg/kg	0.75 U	0.8 U	0.78 U	0.72 U
SW8270C	4-Bromophenyl phenyl ether	mg/kg	0.38 U	0.4 U	0.39 U	0 36 U
SW8270C	4-Chloro-3-methylphenol	mg/kg	0.75 U	0.8 U	0.78 U	0 72 U
SW8270C	4-Chloroaniline	mg/kg	0.75 U	0.8 U	0.78 U	0.72 UJ
SW8270C	4-Chlorophenyl phenyl ether	mg/kg	0.38 U	0.4 U	0.39 U	0.36 U
SW8270C	4-Nitroaniline	mg/kg	1 9 U	2 U	2 U	1.8 U
SW8270C	4-Nitrophenol	mg/kg	1.9 U	2 U	2 U	1.8 U
SW8270C	4-Nitroquinoline-1-oxide	mg/kg	1.9 U	2 U	2 U	1.8 U
SW8270C	5-Nitro-o-toluidine	mg/kg	0.75 U	0.8 U	0.78 U	0.72 U
SW8270C	7,12-Dimethylbenzo(a)anthracene	mg/kg	0.75 U	0.8 U	0 78 U	0.72 U
SW8270C	Acenaphthene	mg/kg	0.38 U	0.4 U	0 39 U	0.36 U
SW8270C	Acenaphthylene	mg/kg	0.38 U	0.4 U	0.39 U	0.36 U
SW8270C	Acetophenone	mg/kg	0.75 U	0.8 U	0.78 U	0.72 U
SW8270C	alpha, alpha-Dimethylphenethylamine	mg/kg	1 9 U	2 U	2 U	1.8 U
SW8270C	Aniline (Phenylamine, Aminobenzene)	mg/kg	0.38 U	0.4 U	0 39 U	0.36 U
SW8270C	Anthracene	mg/kg	0.29 F	0.4 U	0.39 U	0.052 F
SW8270C	Aramite (total)	mg/kg	0.75 U	0.8 U	0.78 U	0 72 U
SW8270C	Benzo(a)anthracene	mg/kg	1.7	0.4 U	0.39 U	0.28 F
SW8270C	Benzo(a)pyrene	mg/kg	1.4	0.4 U	0.39 U	0.28 F
SW8270C	Benzo(b)fluoranthene	mg/kg	2	0.4 U	0 39 U	0 51
SW8270C	Benzo(g,h,i)perylene	mg/kg	0 75	0.4 U	0.39 U	0.44
SW8270C	Benzo(k)fluoranthene	mg/kg	0 76	0.4 U	0.39 U	0.17 F
SW8270C	Benzoic acid	mg/kg	1.9 U	2 U	2 U	0 41 F
SW8270C	Benzyl alcohol	mg/kg	0 38 U	0 4 U	0 39 U	0.36 U
SW8270C	Benzyl butyl phthalate	mg/kg	0.38 U	0.4 U	0 39 U	0.36 U
SW8270C	bis(2-Chloroethoxy)methane	mg/kg	0.38 U	0.4 U	0 39 U	0.36 U
SW8270C	bis(2-Chloroethyl)ether (2-Chloroethyl ether)	mg/kg	0.38 U	0.4 U	0.39 U	0.36 U
SW8270C	bis(2-Ethylhexyl)phthalate	mg/kg	0.42	0.4 U	0.39 U	0.36 U
SW8270C	Chlorobenzilate	mg/kg	0.38 U	0.4 U	0.39 U	0.36 U
SW8270C	Chrysene	mg/kg	1.8	0.4 U	0.39 U	0.38
SW8270C	Cresols, m & p	mg/kg	0 38 U	0 4 U	0 39 U	0.36 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU12003 00 ft 1999-06-08	BHGLSWMU12003 05 ft 1999-06-08	BHGLSWMU12003 10 ft 1999-06-08	BHGLSWMU31001 00 ft 1999-06-07
SW8270C	Diallate (total of cis and trans isomers)	mg/kg	0.38 U	0 4 U	0 39 U	0 36 U
SW8270C	Dibenz(a,h)anthracene	mg/kg	0.2 F	0 4 U	0 39 U	0.069 F
SW8270C	Dibenzofuran	mg/kg	0.38 U	0.4 U	0.39 U	0 36 U
SW8270C	Diethyl phthalate	mg/kg	0.38 U	0.4 U	0.39 U	0.36 U
SW8270C	Dimethyl phthalate	mg/kg	0.38 U	0.4 U	0.39 U	0.36 U
SW8270C	Di-n-butyl phthalate	mg/kg	0.38 U	0 4 U	0.39 U	0.36 U
SW8270C	Di-n-octyl phthalate	mg/kg	0.38 U	0 4 U	0 39 U	0.36 U
SW8270C	Dinoseb	mg/kg	0.75 U	0 8 U	0.78 U	0.72 U
SW8270C	Diphenylamine	mg/kg	0.38 U	0.4 U	0.39 U	0.36 U
SW8270C	Ethyl methanesulfonate	mg/kg	0 75 U	0.8 U	0 78 U	0.72 U
SW8270C	Fluoranthene	mg/kg	3 3	0.4 U	0 39 U	0.79
SW8270C	Fluorene	mg/kg	0.081 F	0.4 U	0 39 U	0.36 U
SW8270C	Hexachlorobenzene	mg/kg	0.38 U	0.4 U	0.39 U	0 36 U
SW8270C	Hexachlorobutadiene	mg/kg	0.38 U	0.4 U	0 39 U	0.36 U
SW8270C	Hexachlorocyclopentadiene	mg/kg	0.38 U	0.4 U	0.39 U	0.36 U
SW8270C	Hexachloroethane	mg/kg	0.38 U	0.4 U	0 39 U	0.36 U
SW8270C	Hexachlorophene	mg/kg	5 6 U	6 U	5.8 U	5 4 U
SW8270C	Hexachloropropene	mg/kg	1.9 U	2 U	2 U	1.8 U
SW8270C	Indeno(1,2,3-c,d)pyrene	mg/kg	0 96	0.4 U	0.39 U	0.42
SW8270C	Isophorone	mg/kg	0 38 U	0.4 U	0.39 U	0.36 U
SW8270C	Isosafrole	mg/kg	0 38 U	0.4 U	0 39 U	0.36 U
SW8270C	Methapyrilene	mg/kg	0 94 U	0.99 U	0 98 U	0 9 U
SW8270C	Methyl methanesulfonate	mg/kg	0 38 U	0.4 U	0.39 U	0.36 U
SW8270C	Naphthalene	mg/kg	0 38 U	0 4 U	0 39 U	0.36 U
SW8270C	Nitrobenzene	mg/kg	0.38 U	0 4 U	0 39 U	0.36 U
SW8270C	N-Nitrosodiethylamine	mg/kg	0.75 U	0.8 U	0.78 U	0 72 U
SW8270C	N-Nitrosodimethylamine	mg/kg	0.75 R	0.8 R	0.78 R	0.72 U
SW8270C	N-Nitrosodi-n-butylamine	mg/kg	0.38 U	0 4 U	0 39 U	0.36 U
SW8270C	N-Nitrosodi-n-propylamine	mg/kg	0.38 U	0.4 U	0 39 U	0.36 U
SW8270C	N-Nitrosodiphenylamine	mg/kg	0.38 U	0.4 U	0.39 U	0 36 U
SW8270C	N-Nitrosomethylethylamine	mg/kg	0 38 U	0 4 U	0 39 U	0.36 U
SW8270C	N-Nitrosomorpholine	mg/kg	0.75 U	0 8 U	0 78 U	0 72 U
SW8270C	N-Nitrosopiperidine	mg/kg	0.38 U	0.4 U	0 39 U	0 36 U
SW8270C	N-Nitrosopyrrolidine	mg/kg	0.75 U	0.8 U	0.78 U	0 72 U
SW8270C	o-Toluidine	mg/kg	0.75 U	0.8 U	0 78 U	0.72 U

Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU12003 00 ft 1999-06-08	BHGLSWMU12003 05 ft 1999-06-08	BHGLSWMU12003 10 ft 1999-06-08	BHGLSWMU31001 00 ft 1999-06-07
SW8270C	p-Dimethylaminoazobenzene	mg/kg	0.75 U	0 8 U	0 78 U	0.72 U
SW8270C	Pentachlorobenzene	mg/kg	0.38 U	0 4 U	0.39 U	0.36 U
SW8270C	Pentachloronitrobenzene	mg/kg	0.38 U	0 4 U	0.39 U	0.36 U
SW8270C	Pentachlorophenol	mg/kg	1.9 U	2 U	2 U	1.8 U
SW8270C	Phenacetin	mg/kg	0.38 U	0 4 U	0 39 U	0.36 U
SW8270C	Phenanthrene	mg/kg	1 6	0.4 U	0.39 U	0.5
SW8270C	Phenol	mg/kg	0.38 U	0.4 U	0.39 U	0.36 U
SW8270C	p-Phenylenediamine	mg/kg	1.5 U	1.6 U	1 6 U	1.4 U
SW8270C	Pronamide	mg/kg	0.38 U	0.4 U	0.39 U	0.36 U
SW8270C	Pyrene	mg/kg	3.3	0.4 U	0.39 U	0.64
SW8270C	Pyridine	mg/kg	0 75 R	0.8 R	0.78 R	0 72 U
SW8270C	Safrole	mg/kg	0.38 U	0 4 U	0.39 U	0.36 U
SW9045C	pH	pH Units	NA	NA	NA	NA
TX1005	Petroleum Hydrocarbons, Gasoline (C6 - C10)	mg/kg	3 4 F	3.7 F	3.7 F	57 UJ
TX1005	Petroleum Hydrocarbons, Heavy/Residual Fuel Oils (>C10 - C28)	mg/kg	10 F	2 5 F	9 F	57 UJ
TX1005	Petroleum Hydrocarbons, total (C6 - C28)	mg/kg	14 F	6 2 F	13 F	57 UJ

Notes
RRS 1 = Risk Reduction Standard 1
RRS 2 = Risk Reduction Standard 2
F = Estimated value below reporting limit and above the MDL
J = Estimated value above the reporting limit
U = The analyte was not detected The associated numerical value is the MQL
UJ = The analyte was not detected The associated numerical value is the MQL, estimated due to deficiences in the QC criteria
R = The associated result was rejected due to deficiencies in QC criteria

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU31001 05 ft 1999-06-07	BHGLSWMU31001 10 ft 1999-06-07	BHGLSWMU31001 15 ft 1999-06-07	BHGLSWMU31001 15 ft 1999-06-07 Duplicate
M5500	Ethylene glycol	mg/kg	NA	NA	NA	NA
SW6010B	Antimony	mg/kg	3 6 U	0.28 F	0.32 F	3.7 U
SW6010B	Arsenic	mg/kg	2 5 F	3.8	4.4	3.5 F
SW6010B	Barium	mg/kg	28.1 F	38 3	29 5 F	24 6 F
SW6010B	Beryllium	mg/kg	0.08 F	0 43	0.35	0 28
SW6010B	Cadmium	mg/kg	0.05 F	0.1 F	0.08 F	0 09 F
SW6010B	Chromium, total	mg/kg	6.9 F	11.5	10.4 J	7.4 J
SW6010B	Cobalt	mg/kg	1.9 F	4.8	2 F	1 8 F
SW6010B	Copper	mg/kg	3.1 F	5.2 F	4.3 F	4 F
SW6010B	Lead	mg/kg	3.4	8.1	5.1	5.1
SW6010B	Nickel	mg/kg	5 3 F	9 7	6.5 F	5 6 F
SW6010B	Tin	mg/kg	28.4 U	27.4 U	30.5 U	29.3 U
SW6010B	Vanadium	mg/kg	10.3 F	22.2	21.8 F	16 3 F
SW6010B	Zinc	mg/kg	9.8 F	17.8 F	13.9 F	11.6 F
SW7421	Lead	mg/kg	NA	NA	NA	NA
SW7471A	Mercury	mg/kg	0 04 U	0 04 U	0.04 U	0.04 U
SW7740	Selenium	mg/kg	1 U	0.22 UJ	1 1 UJ	0.22 UJ
SW7761	Silver	mg/kg	0.14 UJ	0.14 UJ	0.15 UJ	0.15 UJ
SW7841	Thallium	mg/kg	0.69 UJ	0.72 UJ	0 74 UJ	0 74 UJ
SW8260B	1,1,1,2-Tetrachloroethane	mg/kg	0 003 U	0.003 U	0 003 U	0.003 U
SW8260B	1,1,1-Trichloroethane	mg/kg	0.004 U	0.004 U	0 004 U	0.004 U
SW8260B	1,1,2,2-Tetrachloroethane	mg/kg	0.002 U	0.002 U	0 002 U	0.002 U
SW8260B	1,1,2-Trichloroethane	mg/kg	0.004 U	0.005 U	0.004 U	0 005 U
SW8260B	1,1-Dichloroethane	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U
SW8260B	1,1-Dichloroethene	mg/kg	0.004 U	0 005 U	0 004 U	0.005 U
SW8260B	1,2,3-Trichloropropane	mg/kg	0 004 U	0.005 U	0 004 U	0.005 U
SW8260B	1,2-Dibromo-3-chloropropane	mg/kg	0.004 R	0.005 R	0.004 R	0 005 R
SW8260B	1,2-Dibromoethane (Ethylene dibromide)	mg/kg	0.003 U	0.003 U	0.003 U	0.003 U
SW8260B	1,2-Dichloroethane	mg/kg	0.003 U	0.003 U	0 003 U	0 003 U
SW8260B	1,2-Dichloropropane	mg/kg	0.002 U	0.002 U	0.002 U	0 002 U
SW8260B	2-Chloro-1,3-butadiene	mg/kg	0.004 U	0 005 U	0.004 U	0.005 U
SW8260B	2-Hexanone	mg/kg	0 004 U	0 005 U	0 004 U	0 005 U
SW8260B	Acetone	mg/kg	0.004 U	0.005 U	0 004 U	0 005 U
SW8260B	Acetonitrile	mg/kg	0.036 U	0.039 U	0.036 U	0.038 U
SW8260B	Acrolein	mg/kg	0 091 U	0.097 U	0 09 U	0.095 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU31001 05 ft 1999-06-07	BHGLSWMU31001 10 ft 1999-06-07	BHGLSWMU31001 15 ft 1999-06-07	BHGLSWMU31001 15 ft 1999-06-07 Duplicate
SW8260B	Acrylonitrile	mg/kg	0.036 U	0.039 U	0 036 U	0.038 U
SW8260B	Allyl chloride (3-Chloropropene)	mg/kg	0 009 U	0 01 U	0 009 U	0.01 U
SW8260B	Benzene	mg/kg	0.002 U	0 002 U	0.002 U	0 002 U
SW8260B	Bromodichloromethane	mg/kg	0 004 U	0.004 U	0 004 U	0 004 U
SW8260B	Bromoform	mg/kg	0.004 U	0.005 U	0.004 U	0.005 U
SW8260B	Bromomethane	mg/kg	0 004 R	0.005 R	0 004 R	0.005 R
SW8260B	Carbon disulfide	mg/kg	0.004 U	0 005 U	0.004 U	0.005 U
SW8260B	Carbon tetrachloride	mg/kg	0.004 U	0.005 U	0.004 U	0.005 U
SW8260B	Chlorobenzene	mg/kg	0 002 U	0.002 U	0.002 U	0.002 U
SW8260B	Chloroethane	mg/kg	0 004 U	0.005 U	0.004 U	0 005 U
SW8260B	Chloroform	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U
SW8260B	Chloromethane	mg/kg	0 004 U	0.005 U	0.004 U	0.005 U
SW8260B	cis-1,2-Dichloroethene	mg/kg	0 004 U	0.005 U	0.004 U	0.005 U
SW8260B	cis-1,3-Dichloropropene	mg/kg	0.004 U	0 005 U	0 004 U	0.005 U
SW8260B	Dibromochloromethane	mg/kg	0.003 U	0.003 U	0.003 U	0.003 U
SW8260B	Dibromomethane	mg/kg	0 004 U	0.005 U	0.004 U	0.005 U
SW8260B	Dichlorodifluoromethane	mg/kg	0.004 R	0 005 R	0.004 R	0 005 R
SW8260B	Ethyl methacrylate	mg/kg	0.004 U	0 005 U	0 004 U	0.005 U
SW8260B	Ethylbenzene	mg/kg	0.003 U	0 003 U	0 003 U	0.003 U
SW8260B	Iodomethane (Methyl iodide)	mg/kg	0 004 U	0.005 U	0.004 U	0.005 U
SW8260B	Isobutanol	mg/kg	0.18 U	0 19 U	0 18 U	0 19 U
SW8260B	m,p-Xylene (sum of isomers)	mg/kg	0.004 U	0.005 U	0.004 U	0.005 U
SW8260B	Methyl ethyl ketone (2-Butanone)	mg/kg	0.004 U	0 005 U	0 004 U	0.005 U
SW8260B	Methyl isobutyl ketone (4-Methyl-2-pentanone)	mg/kg	0.004 U	0.005 U	0.004 U	0.005 U
SW8260B	Methyl methacrylate	mg/kg	0.004 U	0.005 U	0.004 U	0 005 U
SW8260B	Methylacrylonitrile	mg/kg	0.004 U	0.005 U	0 004 U	0 005 U
SW8260B	Methylene chloride	mg/kg	0.002 U	0.002 U	0 002 U	0.002 U
SW8260B	o-Xylene (1,2-Dimethylbenzene)	mg/kg	0 004 U	0.005 U	0 004 U	0 005 U
SW8260B	Pentachloroethane	mg/kg	0.004 U	0 005 U	0 004 U	0.005 U
SW8260B	Propane nitrile (Propionitrile)	mg/kg	0.018 U	0.019 U	0 018 U	0.019 U
SW8260B	Styrene	mg/kg	0.002 U	0.002 U	0 002 U	0.002 U
SW8260B	Tetrachloroethene (PCE)	mg/kg	0 004 U	0.005 U	0 004 U	0.005 U
SW8260B	Toluene	mg/kg	0.004 U	0.005 U	0 004 U	0.005 U
SW8260B	Trans-1,2-Dichloroethene	mg/kg	0 003 U	0.003 U	0.003 U	0.003 U
SW8260B	Trans-1,3-Dichloropropene	mg/kg	0 004 U	0 005 U	0 004 U	0.005 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU31001 05 ft 1999-06-07	BHGLSWMU31001 10 ft 1999-06-07	BHGLSWMU31001 15 ft 1999-06-07	BHGLSWMU31001 15 ft 1999-06-07 Duplicate
SW8260B	Trans-1,4-Dichloro-2-Butene	mg/kg	0.004 U	0.005 U	0.004 U	0.005 U
SW8260B	Trichloroethene (TCE)	mg/kg	0.004 U	0.005 U	0.004 U	0.005 U
SW8260B	Trichlorofluoromethane	mg/kg	0.004 R	0.004 R	0.004 R	0.004 R
SW8260B	Vinyl acetate	mg/kg	0.004 U	0.005 U	0 004 U	0 005 U
SW8260B	Vinyl chloride	mg/kg	0.004 U	0.005 U	0.004 U	0.005 U
SW8270C	1,2,4,5-Tetrachlorobenzene	mg/kg	0.36 U	0.38 U	0 39 U	0.38 U
SW8270C	1,2,4-Trichlorobenzene	mg/kg	0.36 U	0.38 U	0.39 U	0.38 U
SW8270C	1,2-Dichlorobenzene	mg/kg	0 36 U	0.38 U	0 39 U	0 38 U
SW8270C	1,3,5-Trinitrobenzene	mg/kg	1.4 U	1.5 U	1.6 U	1.5 U
SW8270C	1,3-Dichlorobenzene	mg/kg	0.36 U	0.38 U	0 39 U	0.38 U
SW8270C	1,3-Dinitrobenzene	mg/kg	0.36 U	0.38 U	0.39 U	0.38 U
SW8270C	1,4-Dichlorobenzene	mg/kg	0.36 U	0.38 U	0 39 U	0.38 U
SW8270C	1,4-Dioxane (p-Dioxane)	mg/kg	1.4 U	1.5 U	1.6 U	1 5 U
SW8270C	1,4-Naphthoquinone	mg/kg	1.8 U	1.9 U	1.9 U	1.9 U
SW8270C	1-Naphthylamine	mg/kg	0.72 U	0.76 U	0.78 U	0.77 U
SW8270C	2,2'-Oxybis(1-chloropropane)	mg/kg	0.36 U	0.38 U	0.39 U	0.38 U
SW8270C	2,3,4,6-Tetrachlorophenol	mg/kg	0 36 U	0.38 U	0 39 U	0.38 U
SW8270C	2,4,5-Trichlorophenol	mg/kg	1.8 U	1.9 U	1.9 U	1.9 U
SW8270C	2,4,6-Trichlorophenol	mg/kg	0.36 U	0.38 U	0.39 U	0.38 U
SW8270C	2,4-Dichlorophenol	mg/kg	0.36 U	0 38 U	0 39 U	0.38 U
SW8270C	2,4-Dimethylphenol	mg/kg	0.36 U	0.38 U	0.39 U	0.38 U
SW8270C	2,4-Dinitrophenol	mg/kg	1 8 U	1.9 U	1 9 U	1.9 U
SW8270C	2,4-Dinitrotoluene	mg/kg	0.36 U	0.38 U	0.39 U	0 38 U
SW8270C	2,6-Dichlorophenol	mg/kg	0.72 U	0 76 U	0 78 U	0 77 U
SW8270C	2,6-Dinitrotoluene	mg/kg	0.36 U	0.38 U	0.39 U	0.38 U
SW8270C	2-Acetylaminofluorene	mg/kg	0.72 U	0.76 U	0.78 U	0.77 U
SW8270C	2-Aminonaphthalene (beta-Naphthylamine)	mg/kg	0 72 U	0 76 U	0 78 U	0 77 U
SW8270C	2-Chloronaphthalene	mg/kg	0 36 U	0.38 U	0.39 U	0 38 U
SW8270C	2-Chlorophenol	mg/kg	0.36 U	0.38 U	0 39 U	0.38 U
SW8270C	2-Methylnaphthalene	mg/kg	0 36 U	0.38 U	0 39 U	0 38 U
SW8270C	2-Methylphenol (o-Cresol)	mg/kg	0.36 U	0.38 U	0.39 U	0.38 U
SW8270C	2-Nitroaniline	mg/kg	1 8 U	1.9 U	1.9 U	1 9 U
SW8270C	2-Nitrophenol	mg/kg	0.36 U	0.38 U	0.39 U	0.38 U
SW8270C	2-Picoline (alpha-Picoline)	mg/kg	0.36 U	0.38 U	0.39 U	0 38 U
SW8270C	3,3'-Dichlorobenzidine	mg/kg	0.72 U	0.76 U	0 78 U	0 77 U

Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU31001 05 ft 1999-06-07	BHGLSWMU31001 10 ft 1999-06-07	BHGLSWMU31001 15 ft 1999-06-07	BHGLSWMU31001 15 ft 1999-06-07 Duplicate
SW8270C	3,3'-Dimethylbenzidine	mg/kg	1.8 U	1 9 U	1.9 U	1 9 U
SW8270C	3-Methylcholanthrene	mg/kg	0.36 U	0.38 U	0.39 U	0.38 U
SW8270C	3-Nitroaniline	mg/kg	1.8 U	1 9 U	1.9 U	1.9 U
SW8270C	4,6-Dinitro-2-methylphenol	mg/kg	1.8 U	1.9 U	1.9 U	1.9 U
SW8270C	4-Aminobiphenyl (4-Biphenylamine)	mg/kg	0.72 U	0.76 U	0.78 U	0.77 U
SW8270C	4-Bromophenyl phenyl ether	mg/kg	0.36 U	0 38 U	0.39 U	0.38 U
SW8270C	4-Chloro-3-methylphenol	mg/kg	0.72 U	0.76 U	0 78 U	0.77 U
SW8270C	4-Chloroaniline	mg/kg	0 72 UJ	0.76 UJ	0.78 UJ	0.77 UJ
SW8270C	4-Chlorophenyl phenyl ether	mg/kg	0.36 U	0 38 U	0.39 U	0 38 U
SW8270C	4-Nitroaniline	mg/kg	1 8 U	1 9 U	1 9 U	1.9 U
SW8270C	4-Nitrophenol	mg/kg	1.8 U	1.9 U	1.9 U	1 9 U
SW8270C	4-Nitroquinoline-1-oxide	mg/kg	1.8 U	1 9 U	1 9 U	1.9 U
SW8270C	5-Nitro-o-toluidine	mg/kg	0.72 U	0 76 U	0 78 U	0.77 U
SW8270C	7,12-Dimethylbenzo(a)anthracene	mg/kg	0 72 U	0.76 U	0.78 U	0.77 U
SW8270C	Acenaphthene	mg/kg	0.36 U	0.38 U	0.39 U	0.38 U
SW8270C	Acenaphthylene	mg/kg	0.36 U	0 38 U	0.39 U	0.38 U
SW8270C	Acetophenone	mg/kg	0 72 U	0 76 U	0.78 U	0 77 U
SW8270C	alpha, alpha-Dimethylphenethylamine	mg/kg	1.8 U	1.9 U	1.9 U	1 9 U
SW8270C	Aniline (Phenylamine, Aminobenzene)	mg/kg	0.36 U	0 38 U	0 39 U	0.38 U
SW8270C	Anthracene	mg/kg	0.36 U	0.38 U	0 39 U	0.38 U
SW8270C	Aramite (total)	mg/kg	0.72 U	0.76 U	0.78 U	0 77 U
SW8270C	Benzo(a)anthracene	mg/kg	0.36 U	0.38 U	0.39 U	0 38 U
SW8270C	Benzo(a)pyrene	mg/kg	0.36 U	0 38 U	0 39 U	0.38 U
SW8270C	Benzo(b)fluoranthene	mg/kg	0 36 U	0 38 U	0.39 U	0 38 U
SW8270C	Benzo(g,h,i)perylene	mg/kg	0 36 U	0.38 U	0.39 U	0 38 U
SW8270C	Benzo(k)fluoranthene	mg/kg	0.36 U	0.38 U	0.39 U	0 38 U
SW8270C	Benzoic acid	mg/kg	0.41 F	1 9 U	1.9 U	1 9 U
SW8270C	Benzyl alcohol	mg/kg	0 36 U	0.38 U	0.39 U	0 38 U
SW8270C	Benzyl butyl phthalate	mg/kg	0.36 U	0.38 U	0 39 U	0.38 U
SW8270C	bis(2-Chloroethoxy)methane	mg/kg	0.36 U	0 38 U	0.39 U	0.38 U
SW8270C	bis(2-Chloroethyl)ether (2-Chloroethyl ether)	mg/kg	0.36 U	0.38 U	0.39 U	0.38 U
SW8270C	bis(2-Ethylhexyl)phthalate	mg/kg	0 36 U	0.38 U	0.39 U	0.38 U
SW8270C	Chlorobenzilate	mg/kg	0 36 U	0.38 U	0 39 U	0 38 U
SW8270C	Chrysene	mg/kg	0.36 U	0.38 U	0.39 U	0.38 U
SW8270C	Cresols, m & p	mg/kg	0.36 U	0.38 U	0 39 U	0.38 U

Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU31001 05 ft 1999-06-07	BHGLSWMU31001 10 ft 1999-06-07	BHGLSWMU31001 15 ft 1999-06-07	BHGLSWMU31001 15 ft 1999-06-07 Duplicate
SW8270C	Diallate (total of cis and trans isomers)	mg/kg	0.36 U	0.38 U	0.39 U	0.38 U
SW8270C	Dibenz(a,h)anthracene	mg/kg	0.36 U	0 38 U	0 39 U	0.38 U
SW8270C	Dibenzofuran	mg/kg	0.36 U	0 38 U	0.39 U	0.38 U
SW8270C	Diethyl phthalate	mg/kg	0.36 U	0.38 U	0 39 U	0.38 U
SW8270C	Dimethyl phthalate	mg/kg	0.36 U	0.38 U	0 39 U	0.38 U
SW8270C	Di-n-butyl phthalate	mg/kg	0 36 U	0 38 U	0 39 U	0.38 U
SW8270C	Di-n-octyl phthalate	mg/kg	0.36 U	0 38 U	0.39 U	0.38 U
SW8270C	Dinoseb	mg/kg	0.72 U	0 76 U	0.78 U	0 77 U
SW8270C	Diphenylamine	mg/kg	0.36 U	0.38 U	0 39 U	0.38 U
SW8270C	Ethyl methanesulfonate	mg/kg	0.72 U	0.76 U	0.78 U	0 77 U
SW8270C	Fluoranthene	mg/kg	0 36 U	0.38 U	0.39 U	0.38 U
SW8270C	Fluorene	mg/kg	0.36 U	0 38 U	0.39 U	0.38 U
SW8270C	Hexachlorobenzene	mg/kg	0 36 U	0 38 U	0.39 U	0.38 U
SW8270C	Hexachlorobutadiene	mg/kg	0.36 U	0 38 U	0.39 U	0.38 U
SW8270C	Hexachlorocyclopentadiene	mg/kg	0.36 U	0.38 U	0.39 U	0.38 U
SW8270C	Hexachloroethane	mg/kg	0.36 U	0.38 U	0 39 U	0.38 U
SW8270C	Hexachlorophene	mg/kg	5 4 U	5.7 U	5.8 U	5.8 U
SW8270C	Hexachloropropene	mg/kg	1 8 U	1 9 U	1.9 U	1.9 U
SW8270C	Indeno(1,2,3-c,d)pyrene	mg/kg	0.36 U	0 38 U	0.39 U	0.38 U
SW8270C	Isophorone	mg/kg	0.36 U	0 38 U	0 39 U	0.38 U
SW8270C	Isosafrole	mg/kg	0.36 U	0.38 U	0 39 U	0.38 U
SW8270C	Methapyrilene	mg/kg	0.9 U	0.95 U	0 97 U	0 96 U
SW8270C	Methyl methanesulfonate	mg/kg	0.36 U	0.38 U	0.39 U	0.38 U
SW8270C	Naphthalene	mg/kg	0 36 U	0.38 U	0.39 U	0 38 U
SW8270C	Nitrobenzene	mg/kg	0.36 U	0 38 U	0.39 U	0.38 U
SW8270C	N-Nitrosodiethylamine	mg/kg	0.72 U	0 76 U	0 78 U	0.77 U
SW8270C	N-Nitrosodimethylamine	mg/kg	0.72 U	0 76 U	0 78 U	0 77 U
SW8270C	N-Nitrosodi-n-butylamine	mg/kg	0.36 U	0.38 U	0 39 U	0 38 U
SW8270C	N-Nitrosodi-n-propylamine	mg/kg	0 36 U	0.38 U	0 39 U	0 38 U
SW8270C	N-Nitrosodiphenylamine	mg/kg	0.36 U	0 38 U	0.39 U	0.38 U
SW8270C	N-Nitrosomethylethylamine	mg/kg	0.36 U	0 38 U	0 39 U	0 38 U
SW8270C	N-Nitrosomorpholine	mg/kg	0.72 U	0.76 U	0 78 U	0 77 U
SW8270C	N-Nitrosopiperidine	mg/kg	0.36 U	0.38 U	0.39 U	0.38 U
SW8270C	N-Nitrosopyrrolidine	mg/kg	0.72 U	0.76 U	0 78 U	0.77 U
SW8270C	o-Toluidine	mg/kg	0.72 U	0.76 U	0 78 U	0.77 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU31001 05 ft 1999-06-07	BHGLSWMU31001 10 ft 1999-06-07	BHGLSWMU31001 15 ft 1999-06-07	BHGLSWMU31001 15 ft 1999-06-07 Duplicate
SW8270C	p-Dimethylaminoazobenzene	mg/kg	0.72 U	0.76 U	0.78 U	0.77 U
SW8270C	Pentachlorobenzene	mg/kg	0 36 U	0.38 U	0.39 U	0.38 U
SW8270C	Pentachloronitrobenzene	mg/kg	0.36 U	0.38 U	0.39 U	0.38 U
SW8270C	Pentachlorophenol	mg/kg	1 8 U	1.9 U	1 9 U	1 9 U
SW8270C	Phenacetin	mg/kg	0 36 U	0.38 U	0 39 U	0 38 U
SW8270C	Phenanthrene	mg/kg	0.36 U	0.38 U	0.39 U	0.38 U
SW8270C	Phenol	mg/kg	0.36 U	0.38 U	0.39 U	0 38 U
SW8270C	p-Phenylenediamine	mg/kg	1.4 U	1 5 U	1.6 U	1.5 U
SW8270C	Pronamide	mg/kg	0.36 U	0 38 U	0 39 U	0.38 U
SW8270C	Pyrene	mg/kg	0.36 U	0.38 U	0 39 U	0 38 U
SW8270C	Pyridine	mg/kg	0 72 U	0 76 U	0.78 U	0.77 U
SW8270C	Safrole	mg/kg	0 36 U	0.38 U	0.39 U	0.38 U
SW9045C	pH	pH Units	NA	NA	NA	NA
TX1005	Petroleum Hydrocarbons, Gasoline (C6 - C10)	mg/kg	65 UJ	57 UJ	58 UJ	57 UJ
TX1005	Petroleum Hydrocarbons, Heavy/Residual Fuel Oils (>C10 - C28)	mg/kg	65 UJ	57 UJ	58 UJ	57 UJ
TX1005	Petroleum Hydrocarbons, total (C6 - C28)	mg/kg	65 UJ	57 UJ	58 UJ	57 UJ

Notes
RRS 1 = Risk Reduction Standard 1
RRS 2 = Risk Reduction Standard 2
F = Estimated value below reporting limit and above the MDL
J = Estimated value above the reporting limit
U = The analyte was not detected The associated numerical value is the MQL
UJ = The analyte was not detected The associated numerical value is the MQL, estimated due to deficiences in the QC criteria
R = The associated result was rejected due to deficiencies in QC criteria

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU31002 00 ft 1999-06-08	BHGLSWMU31002 05 ft 1999-06-08	BHGLSWMU31002 10 ft 1999-06-08	BHGLSWMU31002 15 ft 1999-06-08
M5500	Ethylene glycol	mg/kg	NA	NA	NA	NA
SW6010B	Antimony	mg/kg	3.3 U	3.8 U	3.7 U	3.4 U
SW6010B	Arsenic	mg/kg	2.1 F	2 3 F	3.6 F	3.2 F
SW6010B	Barium	mg/kg	35 7	38.3	38.9	29.1
SW6010B	Beryllium	mg/kg	0.12 F	0.22 F	0 5	0.36
SW6010B	Cadmium	mg/kg	0 99	0.05 F	0 13 F	0.11 F
SW6010B	Chromium, total	mg/kg	12 6	7 F	11.1	9.8
SW6010B	Cobalt	mg/kg	2 1 F	2.4 F	3.3 F	2 F
SW6010B	Copper	mg/kg	10.2	3.8 F	5 F	3.6 F
SW6010B	Lead	mg/kg	58.5	4.5	6	6.3
SW6010B	Nickel	mg/kg	4 8 F	5.3 F	9.2	6.1 F
SW6010B	Tin	mg/kg	26 U	30 4 U	29.6 U	27 U
SW6010B	Vanadium	mg/kg	10.6 F	12 F	16.4 F	16.7 F
SW6010B	Zinc	mg/kg	22 6	13.9 F	18.3 F	13.6 F
SW7421	Lead	mg/kg	NA	NA	NA	NA
SW7471A	Mercury	mg/kg	0.04 U	0 04 U	0.04 U	0.2
SW7740	Selenium	mg/kg	0.21 UJ	0 2 UJ	0 23 UJ	0.23 UJ
SW7761	Silver	mg/kg	0 14 UJ	0.13 UJ	0.15 UJ	0.15 UJ
SW7841	Thallium	mg/kg	0 71 UJ	0.67 UJ	0.76 U	0.75 UJ
SW8260B	1,1,1,2-Tetrachloroethane	mg/kg	0.003 U	0 003 U	0 003 U	0.003 U
SW8260B	1,1,1-Trichloroethane	mg/kg	0 004 U	0 004 U	0.004 U	0 004 U
SW8260B	1,1,2,2-Tetrachloroethane	mg/kg	0 002 U	0.002 U	0.002 U	0.002 U
SW8260B	1,1,2-Trichloroethane	mg/kg	0 004 U	0 005 U	0.004 U	0.004 U
SW8260B	1,1-Dichloroethane	mg/kg	0.002 U	0.002 U	0.002 U	0 002 U
SW8260B	1,1-Dichloroethene	mg/kg	0 004 R	0 005 R	0.004 R	0 004 R
SW8260B	1,2,3-Trichloropropane	mg/kg	0.004 U	0.005 U	0 004 U	0.004 U
SW8260B	1,2-Dibromo-3-chloropropane	mg/kg	0 004 U	0.005 U	0.004 U	0.004 U
SW8260B	1,2-Dibromoethane (Ethylene dibromide)	mg/kg	0.003 U	0.003 U	0 003 U	0.003 U
SW8260B	1,2-Dichloroethane	mg/kg	0 003 U	0.003 U	0.003 U	0.003 U
SW8260B	1,2-Dichloropropane	mg/kg	0 002 U	0.002 U	0.002 U	0.002 U
SW8260B	2-Chloro-1,3-butadiene	mg/kg	0.004 U	0.005 U	0.004 U	0.004 U
SW8260B	2-Hexanone	mg/kg	0.004 U	0.005 U	0 004 U	0 004 U
SW8260B	Acetone	mg/kg	0.15	0.005 U	0.004 U	0.004 U
SW8260B	Acetonitrile	mg/kg	0.036 U	0.041 U	0 035 U	0.036 U
SW8260B	Acrolein	mg/kg	0.09 U	0.1 U	0.088 U	0 091 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU31002 00 ft 1999-06-08	BHGLSWMU31002 05 ft 1999-06-08	BHGLSWMU31002 10 ft 1999-06-08	BHGLSWMU31002 15 ft 1999-06-08
SW8260B	Acrylonitrile	mg/kg	0 036 U	0.041 U	0.035 U	0.036 U
SW8260B	Allyl chloride (3-Chloropropene)	mg/kg	0.009 U	0.01 U	0 009 U	0.009 U
SW8260B	Benzene	mg/kg	NA	0.002 U	0.002 U	0 002 U
SW8260B	Bromodichloromethane	mg/kg	0.004 U	0.004 U	0.004 U	0 004 U
SW8260B	Bromoform	mg/kg	0.004 U	0.005 U	0.004 U	0.004 U
SW8260B	Bromomethane	mg/kg	0 004 U	0 005 U	0 004 U	0.004 U
SW8260B	Carbon disulfide	mg/kg	0.004 U	0.005 U	0.004 U	0.004 U
SW8260B	Carbon tetrachloride	mg/kg	0.004 U	0.005 U	0.004 U	0.004 U
SW8260B	Chlorobenzene	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U
SW8260B	Chloroethane	mg/kg	0.004 U	0 005 U	0.004 U	0.004 U
SW8260B	Chloroform	mg/kg	0 002 U	0 002 U	0.002 U	0 002 U
SW8260B	Chloromethane	mg/kg	0.004 U	0.005 U	0 004 U	0.004 U
SW8260B	cis-1,2-Dichloroethene	mg/kg	0.004 U	0 005 U	0.004 U	0.004 U
SW8260B	cis-1,3-Dichloropropene	mg/kg	0 004 U	0 005 U	0.004 U	0.004 U
SW8260B	Dibromochloromethane	mg/kg	0.003 U	0.003 U	0.003 U	0.003 U
SW8260B	Dibromomethane	mg/kg	0.004 U	0.005 U	0.004 U	0.004 U
SW8260B	Dichlorodifluoromethane	mg/kg	0.004 U	0 005 U	0 004 U	0.004 U
SW8260B	Ethyl methacrylate	mg/kg	0.004 U	0 005 U	0.004 U	0.004 U
SW8260B	Ethylbenzene	mg/kg	0 003 U	0 003 U	0.003 U	0 003 U
SW8260B	Iodomethane (Methyl iodide)	mg/kg	0 004 U	0.005 U	0.004 U	0 004 U
SW8260B	Isobutanol	mg/kg	0 18 U	0 2 U	0 18 U	0.18 U
SW8260B	m,p-Xylene (sum of isomers)	mg/kg	0.004 U	0.005 U	0.004 U	0.004 U
SW8260B	Methyl ethyl ketone (2-Butanone)	mg/kg	0.019	0.005 U	0.004 U	0.004 U
SW8260B	Methyl isobutyl ketone (4-Methyl-2-pentanone)	mg/kg	0 004 U	0.005 U	0.004 U	0 004 U
SW8260B	Methyl methacrylate	mg/kg	0.004 U	0 005 U	0.004 U	0 004 U
SW8260B	Methylacrylonitrile	mg/kg	0.004 U	0.005 U	0.004 U	0.004 U
SW8260B	Methylene chloride	mg/kg	0.002 U	0.002 U	0 002 U	0.002 U
SW8260B	o-Xylene (1,2-Dimethylbenzene)	mg/kg	0 004 U	0 005 U	0.004 U	0.004 U
SW8260B	Pentachloroethane	mg/kg	0.004 U	0.005 U	0.004 U	0 004 U
SW8260B	Propane nitrile (Propionitrile)	mg/kg	0.018 U	0 02 U	0 018 U	0.018 U
SW8260B	Styrene	mg/kg	0 002 U	0.002 U	0.002 U	0.002 U
SW8260B	Tetrachloroethene (PCE)	mg/kg	0.004 U	0.005 U	0.004 U	0 004 U
SW8260B	Toluene	mg/kg	0.004 U	0.005 U	0.004 U	0.004 U
SW8260B	Trans-1,2-Dichloroethene	mg/kg	0 003 U	0.003 U	0.003 U	0.003 U
SW8260B	Trans-1,3-Dichloropropene	mg/kg	0 004 U	0.005 U	0.004 U	0.004 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU31002 00 ft 1999-06-08	BHGLSWMU31002 05 ft 1999-06-08	BHGLSWMU31002 10 ft 1999-06-08	BHGLSWMU31002 15 ft 1999-06-08
SW8260B	Trans-1,4-Dichloro-2-Butene	mg/kg	0.004 U	0 005 U	0.004 U	0.004 U
SW8260B	Trichloroethene (TCE)	mg/kg	0.004 U	0.005 U	0.004 U	0.004 U
SW8260B	Trichlorofluoromethane	mg/kg	0.004 U	0.004 U	0.004 U	0.004 U
SW8260B	Vinyl acetate	mg/kg	0.004 U	0 005 U	0 004 U	0.004 U
SW8260B	Vinyl chloride	mg/kg	0.004 U	0.005 U	0 004 U	0 004 U
SW8270C	1,2,4,5-Tetrachlorobenzene	mg/kg	0.37 U	1.9 U	0 38 U	0.38 U
SW8270C	1,2,4-Trichlorobenzene	mg/kg	0.37 U	1.9 U	0 38 U	0 38 U
SW8270C	1,2-Dichlorobenzene	mg/kg	0.37 U	1 9 U	0.38 U	0.38 U
SW8270C	1,3,5-Trinitrobenzene	mg/kg	1 5 U	7.4 U	1 5 U	1.5 U
SW8270C	1,3-Dichlorobenzene	mg/kg	0.37 U	1.9 U	0.38 U	0.38 U
SW8270C	1,3-Dinitrobenzene	mg/kg	0.37 U	1.9 U	0.38 U	0.38 U
SW8270C	1,4-Dichlorobenzene	mg/kg	0 37 U	1.9 U	0 38 U	0.38 U
SW8270C	1,4-Dioxane (p-Dioxane)	mg/kg	1.5 U	7 4 U	1.5 U	1.5 U
SW8270C	1,4-Naphthoquinone	mg/kg	1.8 U	9.3 U	1.9 U	1.9 U
SW8270C	1-Naphthylamine	mg/kg	0 73 U	3.7 U	0 76 U	0.75 U
SW8270C	2,2'-Oxybis(1-chloropropane)	mg/kg	0.37 U	1 9 U	0.38 U	0.38 U
SW8270C	2,3,4,6-Tetrachlorophenol	mg/kg	0 37 U	1.9 U	0.38 U	0.38 U
SW8270C	2,4,5-Trichlorophenol	mg/kg	1.8 U	9.3 U	1 9 U	1.9 U
SW8270C	2,4,6-Trichlorophenol	mg/kg	0.37 U	1 9 U	0 38 U	0.38 U
SW8270C	2,4-Dichlorophenol	mg/kg	0.37 U	1.9 U	0.38 U	0.38 U
SW8270C	2,4-Dimethylphenol	mg/kg	0 14 F	1.9 U	0 38 U	0.38 U
SW8270C	2,4-Dinitrophenol	mg/kg	1 8 U	9.3 U	1 9 U	1 9 U
SW8270C	2,4-Dinitrotoluene	mg/kg	0 37 U	1 9 U	0.38 U	0 38 U
SW8270C	2,6-Dichlorophenol	mg/kg	0.73 U	3 7 U	0.76 U	0.75 U
SW8270C	2,6-Dinitrotoluene	mg/kg	0.37 U	1.9 U	0 38 U	0.38 U
SW8270C	2-Acetylaminofluorene	mg/kg	0.73 U	3.7 U	0.76 U	0.75 U
SW8270C	2-Aminonaphthalene (beta-Naphthylamine)	mg/kg	0.73 U	3.7 U	0 76 U	0 75 U
SW8270C	2-Chloronaphthalene	mg/kg	0.37 U	1.9 U	0 38 U	0.38 U
SW8270C	2-Chlorophenol	mg/kg	0 37 U	1 9 U	0.38 U	0 38 U
SW8270C	2-Methylnaphthalene	mg/kg	0 37 U	1.9 U	0 38 U	0.38 U
SW8270C	2-Methylphenol (o-Cresol)	mg/kg	0 37 U	1.9 U	0.38 U	0.38 U
SW8270C	2-Nitroaniline	mg/kg	1 8 U	9.3 U	1.9 U	1.9 U
SW8270C	2-Nitrophenol	mg/kg	0.37 U	1 9 U	0.38 U	0.38 U
SW8270C	2-Picoline (alpha-Picoline)	mg/kg	0.37 U	1 9 U	0.38 U	0 38 U
SW8270C	3,3'-Dichlorobenzidine	mg/kg	0.73 U	3.7 U	0.76 U	0 75 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU31002 00 ft 1999-06-08	BHGLSWMU31002 05 ft 1999-06-08	BHGLSWMU31002 10 ft 1999-06-08	BHGLSWMU31002 15 ft 1999-06-08
SW8270C	3,3'-Dimethylbenzidine	mg/kg	1.8 U	9 3 U	1.9 U	1.9 U
SW8270C	3-Methylcholanthrene	mg/kg	0.37 U	1 9 U	0.38 U	0.38 U
SW8270C	3-Nitroaniline	mg/kg	1.8 U	9 3 U	1.9 U	1.9 U
SW8270C	4,6-Dinitro-2-methylphenol	mg/kg	1.8 U	9 3 U	1 9 U	1 9 U
SW8270C	4-Aminobiphenyl (4-Biphenylamine)	mg/kg	0.73 U	3.7 U	0 76 U	0.75 U
SW8270C	4-Bromophenyl phenyl ether	mg/kg	0.37 U	1.9 U	0.38 U	0.38 U
SW8270C	4-Chloro-3-methylphenol	mg/kg	0.73 U	3.7 U	0.76 U	0.75 U
SW8270C	4-Chloroaniline	mg/kg	0.73 UJ	3 7 UJ	0.76 UJ	0.75 UJ
SW8270C	4-Chlorophenyl phenyl ether	mg/kg	0.37 U	1.9 U	0.38 U	0.38 U
SW8270C	4-Nitroaniline	mg/kg	1.8 U	9.3 U	1 9 U	1.9 U
SW8270C	4-Nitrophenol	mg/kg	1.8 U	9.3 U	1 9 U	1.9 U
SW8270C	4-Nitroquinoline-1-oxide	mg/kg	1.8 U	9.3 U	1 9 U	1.9 U
SW8270C	5-Nitro-o-toluidine	mg/kg	0.73 U	3.7 U	0 76 U	0.75 U
SW8270C	7,12-Dimethylbenzo(a)anthracene	mg/kg	0.73 U	3.7 U	0 76 U	0 75 U
SW8270C	Acenaphthene	mg/kg	0.37 U	1.9 U	0.38 U	0.38 U
SW8270C	Acenaphthylene	mg/kg	0.37 U	1.9 U	0.38 U	0 38 U
SW8270C	Acetophenone	mg/kg	0.73 U	3.7 U	0.76 U	0 75 U
SW8270C	alpha, alpha-Dimethylphenethylamine	mg/kg	1.8 U	9.3 U	1 9 U	1.9 U
SW8270C	Aniline (Phenylamine, Aminobenzene)	mg/kg	0 37 U	1.9 U	0.38 U	0.38 U
SW8270C	Anthracene	mg/kg	0 37 U	1.9 U	0.38 U	0.38 U
SW8270C	Aramite (total)	mg/kg	0.73 U	3 7 U	0 76 U	0.75 U
SW8270C	Benzo(a)anthracene	mg/kg	0.13 F	1 9 U	0.38 U	0 38 U
SW8270C	Benzo(a)pyrene	mg/kg	0.12 F	1.9 U	0.38 U	0.38 U
SW8270C	Benzo(b)fluoranthene	mg/kg	0.22 F	1.9 U	0 38 U	0.38 U
SW8270C	Benzo(g,h,i)perylene	mg/kg	0.14 F	1.9 U	0.38 U	0 38 U
SW8270C	Benzo(k)fluoranthene	mg/kg	0 084 F	1.9 U	0 38 U	0.38 U
SW8270C	Benzoic acid	mg/kg	1.8 U	9.3 U	1.9 U	1.9 U
SW8270C	Benzyl alcohol	mg/kg	0.37 U	1.9 U	0 38 U	0.38 U
SW8270C	Benzyl butyl phthalate	mg/kg	0 37 U	1 9 U	0 38 U	0.38 U
SW8270C	bis(2-Chloroethoxy)methane	mg/kg	0.37 U	1.9 U	0.38 U	0.38 U
SW8270C	bis(2-Chloroethyl)ether (2-Chloroethyl ether)	mg/kg	0.37 U	1.9 U	0.38 U	0.38 U
SW8270C	bis(2-Ethylhexyl)phthalate	mg/kg	0.37 U	1.9 U	0.38 U	0.38 U
SW8270C	Chlorobenzilate	mg/kg	0.37 U	1.9 U	0.38 U	0.38 U
SW8270C	Chrysene	mg/kg	0.16 F	1.9 U	0 38 U	0 38 U
SW8270C	Cresols, m & p	mg/kg	0.12 F	1.9 U	0 38 U	0.38 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU31002 00 ft 1999-06-08	BHGLSWMU31002 05 ft 1999-06-08	BHGLSWMU31002 10 ft 1999-06-08	BHGLSWMU31002 15 ft 1999-06-08
SW8270C	Diallate (total of cis and trans isomers)	mg/kg	0.37 U	1 9 U	0.38 U	0.38 U
SW8270C	Dibenz(a,h)anthracene	mg/kg	0.37 U	1.9 U	0.38 U	0.38 U
SW8270C	Dibenzofuran	mg/kg	0 37 U	1 9 U	0.38 U	0.38 U
SW8270C	Diethyl phthalate	mg/kg	0 37 U	1.9 U	0.38 U	0.38 U
SW8270C	Dimethyl phthalate	mg/kg	0.37 U	1.9 U	0.38 U	0.38 U
SW8270C	Di-n-butyl phthalate	mg/kg	0.37 U	1 9 U	0.38 U	0.38 U
SW8270C	Di-n-octyl phthalate	mg/kg	0.37 U	1 9 U	0.38 U	0.38 U
SW8270C	Dinoseb	mg/kg	0 73 U	3 7 U	0.76 U	0 75 U
SW8270C	Diphenylamine	mg/kg	0 37 U	1 9 U	0 38 U	0.38 U
SW8270C	Ethyl methanesulfonate	mg/kg	0.73 U	3.7 U	0 76 U	0.75 U
SW8270C	Fluoranthene	mg/kg	0 34 F	1.9 U	0.38 U	0 38 U
SW8270C	Fluorene	mg/kg	0.37 U	1.9 U	0 38 U	0.38 U
SW8270C	Hexachlorobenzene	mg/kg	0.37 U	1.9 U	0.38 U	0 38 U
SW8270C	Hexachlorobutadiene	mg/kg	0.37 U	1 9 U	0.38 U	0 38 U
SW8270C	Hexachlorocyclopentadiene	mg/kg	0.37 U	1 9 U	0.38 U	0.38 U
SW8270C	Hexachloroethane	mg/kg	0.37 U	1.9 U	0.38 U	0.38 U
SW8270C	Hexachlorophene	mg/kg	5.5 U	28 U	5.7 U	5.6 U
SW8270C	Hexachloropropene	mg/kg	1.8 U	9.3 U	1.9 U	1.9 U
SW8270C	Indeno(1,2,3-c,d)pyrene	mg/kg	0.14 F	1.9 U	0 38 U	0.38 U
SW8270C	Isophorone	mg/kg	0.37 U	1.9 U	0.38 U	0.38 U
SW8270C	Isosafrole	mg/kg	0.37 U	1 9 U	0 38 U	0.38 U
SW8270C	Methapyrilene	mg/kg	0.92 U	4 6 U	0 95 U	0.94 U
SW8270C	Methyl methanesulfonate	mg/kg	0.37 U	1.9 U	0 38 U	0.38 U
SW8270C	Naphthalene	mg/kg	0.37 U	1.9 U	0.38 U	0.38 U
SW8270C	Nitrobenzene	mg/kg	0 37 U	1 9 U	0.38 U	0.38 U
SW8270C	N-Nitrosodiethylamine	mg/kg	0.73 U	3.7 U	0.76 U	0.75 U
SW8270C	N-Nitrosodimethylamine	mg/kg	0.73 U	3.7 U	0 76 U	0.75 U
SW8270C	N-Nitrosodi-n-butylamine	mg/kg	0 37 U	1.9 U	0 38 U	0.38 U
SW8270C	N-Nitrosodi-n-propylamine	mg/kg	0 37 U	1 9 U	0 38 U	0.38 U
SW8270C	N-Nitrosodiphenylamine	mg/kg	0.37 U	1 9 U	0.38 U	0 38 U
SW8270C	N-Nitrosomethylethylamine	mg/kg	0.37 U	1.9 U	0 38 U	0.38 U
SW8270C	N-Nitrosomorpholine	mg/kg	0 73 U	3.7 U	0 76 U	0.75 U
SW8270C	N-Nitrosopiperidine	mg/kg	0.37 U	1 9 U	0.38 U	0.38 U
SW8270C	N-Nitrosopyrrolidine	mg/kg	0.73 U	3 7 U	0.76 U	0.75 U
SW8270C	o-Toluidine	mg/kg	0.73 U	3 7 U	0.76 U	0 75 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU31002 00 ft 1999-06-08	BHGLSWMU31002 05 ft 1999-06-08	BHGLSWMU31002 10 ft 1999-06-08	BHGLSWMU31002 15 ft 1999-06-08
SW8270C	p-Dimethylaminoazobenzene	mg/kg	0.73 U	3 7 U	0.76 U	0.75 U
SW8270C	Pentachlorobenzene	mg/kg	0.37 U	1.9 U	0 38 U	0.38 U
SW8270C	Pentachloronitrobenzene	mg/kg	0.37 U	1.9 U	0.38 U	0 38 U
SW8270C	Pentachlorophenol	mg/kg	1.8 U	9.3 U	1.9 U	1 9 U
SW8270C	Phenacetin	mg/kg	0.37 U	1 9 U	0.38 U	0 38 U
SW8270C	Phenanthrene	mg/kg	0.15 F	1.9 U	0.38 U	0 38 U
SW8270C	Phenol	mg/kg	0.37 U	1.9 U	0.38 U	0 38 U
SW8270C	p-Phenylenediamine	mg/kg	1.5 U	7.4 U	1 5 U	1.5 U
SW8270C	Pronamide	mg/kg	0 37 U	1.9 U	0 38 U	0.38 U
SW8270C	Pyrene	mg/kg	0.27 F	1.9 U	0 38 U	0.38 U
SW8270C	Pyridine	mg/kg	0.73 U	3.7 U	0 76 U	0.75 U
SW8270C	Safrole	mg/kg	0 37 U	1.9 U	0.38 U	0.38 U
SW9045C	pH	pH Units	NA	NA	NA	NA
TX1005	Petroleum Hydrocarbons, Gasoline (C6 - C10)	mg/kg	57 UJ	55 UJ	58 UJ	57 UJ
TX1005	Petroleum Hydrocarbons, Heavy/Residual Fuel Oils (>C10 - C28)	mg/kg	57 UJ	55 UJ	58 UJ	57 UJ
TX1005	Petroleum Hydrocarbons, total (C6 - C28)	mg/kg	57 UJ	55 UJ	58 UJ	57 UJ

Notes

RRS 1 = Risk Reduction Standard 1

RRS 2 = Risk Reduction Standard 2

F = Estimated value below reporting limit and above the MDL

J = Estimated value above the reporting limit

U = The analyte was not detected The associated numerical value is the MQL

UJ = The analyte was not detected The associated numerical value is the MQL, estimated due to deficiences in the QC criteria

R = The associated result was rejected due to deficiencies in QC criteria

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU61001 00 ft 1999-06-03	BHGLSWMU61001 05 ft 1999-06-03	BHGLSWMU61002 00 ft 1999-06-03	BHGLSWMU61002 05 ft 1999-06-03
M5500	Ethylene glycol	mg/kg	6 U	6 U	6 U	5 U
SW6010B	Antimony	mg/kg	4.1 UJ	4.1 UJ	0.4 F	3.7 UJ
SW6010B	Arsenic	mg/kg	3 F	1 4 F	2.8 F	1.5 F
SW6010B	Barium	mg/kg	109	86	80 2	72.4
SW6010B	Beryllium	mg/kg	0 9	0.22 F	0.8	0 24 J
SW6010B	Cadmium	mg/kg	0 19 F	0.16 F	0.17 F	0.21 F
SW6010B	Chromium, total	mg/kg	14.9	5 6 F	15.3	6.3 F
SW6010B	Cobalt	mg/kg	4.2 F	2.3 F	4 F	1 8 F
SW6010B	Copper	mg/kg	8.7	2.8 F	9 3	4 F
SW6010B	Lead	mg/kg	9.2 J	5.1 J	13 6 J	4.5 J
SW6010B	Nickel	mg/kg	8.9	3.8 F	8.5	3.8 F
SW6010B	Tin	mg/kg	32.9 U	32 7 U	33 U	29.4 U
SW6010B	Vanadium	mg/kg	26 8	10 4 F	28.7	14.1 F
SW6010B	Zinc	mg/kg	27.4	12 6 F	28.8	13.3 F
SW7421	Lead	mg/kg	NA	NA	NA	NA
SW7471A	Mercury	mg/kg	0 04 U	0.04 U	0.04 U	0.04 U
SW7740	Selenium	mg/kg	0 25 UJ	1.2 UJ	0.26 UJ	0.23 UJ
SW7761	Silver	mg/kg	0.16 UJ	0.16 UJ	0.34 U	0.16 UJ
SW7841	Thallium	mg/kg	0.82 U	0.81 UJ	0.85 U	0.78 UJ
SW8260B	1,1,1,2-Tetrachloroethane	mg/kg	0 003 U	0.003 U	0.003 U	0.003 U
SW8260B	1,1,1-Trichloroethane	mg/kg	0 004 U	0.004 U	0 004 R	0.004 U
SW8260B	1,1,2,2-Tetrachloroethane	mg/kg	0.002 UJ	0.002 U	0.002 U	0 002 U
SW8260B	1,1,2-Trichloroethane	mg/kg	0.005 U	0.005 U	0 005 U	0.005 U
SW8260B	1,1-Dichloroethane	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U
SW8260B	1,1-Dichloroethene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	1,2,3-Trichloropropane	mg/kg	0.005 UJ	0.005 U	0.005 R	0.005 U
SW8260B	1,2-Dibromo-3-chloropropane	mg/kg	0 005 UJ	0.005 U	0.005 U	0.005 U
SW8260B	1,2-Dibromoethane (Ethylene dibromide)	mg/kg	0.003 U	0.003 U	0 003 U	0 003 U
SW8260B	1,2-Dichloroethane	mg/kg	0.003 U	0.003 U	0 003 U	0.003 U
SW8260B	1,2-Dichloropropane	mg/kg	0 002 U	0.002 U	0.002 U	0.002 U
SW8260B	2-Chloro-1,3-butadiene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	2-Hexanone	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Acetone	mg/kg	0.005 U	0 005 U	0.005 U	0.005 U
SW8260B	Acetonitrile	mg/kg	0.04 U	0.038 U	0.038 U	0.037 U
SW8260B	Acrolein	mg/kg	0.1 U	0.096 U	0.095 U	0.093 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU61001 00 ft 1999-06-03	BHGLSWMU61001 05 ft 1999-06-03	BHGLSWMU61002 00 ft 1999-06-03	BHGLSWMU61002 05 ft 1999-06-03
SW8260B	Acrylonitrile	mg/kg	0 04 U	0.038 U	0.038 U	0.037 U
SW8260B	Allyl chloride (3-Chloropropene)	mg/kg	0.01 U	0.01 U	0 01 U	0 009 U
SW8260B	Benzene	mg/kg	0 005 J	0 002 U	0.002 U	0 002 U
SW8260B	Bromodichloromethane	mg/kg	0.004 U	0 004 U	0.004 U	0.004 U
SW8260B	Bromoform	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Bromomethane	mg/kg	0.005 U	0.005 U	0.005 R	0 005 U
SW8260B	Carbon disulfide	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Carbon tetrachloride	mg/kg	0 005 U	0 005 U	0 005 R	0 005 U
SW8260B	Chlorobenzene	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U
SW8260B	Chloroethane	mg/kg	0.005 U	0.005 U	0 005 U	0.005 U
SW8260B	Chloroform	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U
SW8260B	Chloromethane	mg/kg	0 005 U	0.005 U	0.005 U	0.005 U
SW8260B	cis-1,2-Dichloroethene	mg/kg	0.073 J	0.005 U	0.005 U	0.005 U
SW8260B	cis-1,3-Dichloropropene	mg/kg	0.005 U	0.005 U	0.005 U	0 005 U
SW8260B	Dibromochloromethane	mg/kg	0.003 U	0.003 U	0.003 U	0.003 U
SW8260B	Dibromomethane	mg/kg	0.005 U	0.005 U	0 005 U	0.005 U
SW8260B	Dichlorodifluoromethane	mg/kg	0 005 R	0.005 R	0.005 R	0.005 R
SW8260B	Ethyl methacrylate	mg/kg	0.005 U	0.005 U	0.005 U	0 005 U
SW8260B	Ethylbenzene	mg/kg	0.024 J	0 003 U	0.003 U	0.003 U
SW8260B	Iodomethane (Methyl iodide)	mg/kg	0 005 U	0 005 U	0.005 U	0.005 U
SW8260B	Isobutanol	mg/kg	0.2 U	0.19 U	0 19 U	0.19 U
SW8260B	m,p-Xylene (sum of isomers)	mg/kg	0 054 J	0 005 U	0.005 U	0.005 U
SW8260B	Methyl ethyl ketone (2-Butanone)	mg/kg	0.005 U	0.005 U	0 005 U	0.005 U
SW8260B	Methyl isobutyl ketone (4-Methyl-2-pentanone)	mg/kg	0 005 U	0 005 U	0 005 U	0.005 U
SW8260B	Methyl methacrylate	mg/kg	0.005 U	0.005 U	0 005 U	0.005 U
SW8260B	Methylacrylonitrile	mg/kg	0 005 U	0.005 U	0.005 U	0.005 U
SW8260B	Methylene chloride	mg/kg	0 002 U	0 002 U	0.002 U	0.002 U
SW8260B	o-Xylene (1,2-Dimethylbenzene)	mg/kg	0.028 J	0.005 U	0.005 U	0.005 U
SW8260B	Pentachloroethane	mg/kg	0.005 U	0 005 U	0 005 U	0.005 U
SW8260B	Propane nitrile (Propionitrile)	mg/kg	0.02 U	0.019 U	0.019 U	0 019 U
SW8260B	Styrene	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U
SW8260B	Tetrachloroethene (PCE)	mg/kg	4.9 J	0.006 J	0.057	0.021 J
SW8260B	Toluene	mg/kg	0.094 J	0 005 U	0 005 U	0.005 U
SW8260B	Trans-1,2-Dichloroethene	mg/kg	0.003 U	0.003 U	0.003 U	0.003 U
SW8260B	Trans-1,3-Dichloropropene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU61001 00 ft 1999-06-03	BHGLSWMU61001 05 ft 1999-06-03	BHGLSWMU61002 00 ft 1999-06-03	BHGLSWMU61002 05 ft 1999-06-03
SW8260B	Trans-1,4-Dichloro-2-Butene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Trichloroethene (TCE)	mg/kg	0.077 J	0.005 U	0.005 U	0.005 U
SW8260B	Trichlorofluoromethane	mg/kg	NA	NA	NA	NA
SW8260B	Vinyl acetate	mg/kg	0 005 U	0 005 U	0 005 U	0.005 U
SW8260B	Vinyl chloride	mg/kg	0.005 U	0 005 U	0.005 U	0.005 U
SW8270C	1,2,4,5-Tetrachlorobenzene	mg/kg	0.4 U	0.37 U	0.39 U	0 37 U
SW8270C	1,2,4-Trichlorobenzene	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	1,2-Dichlorobenzene	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	1,3,5-Trinitrobenzene	mg/kg	1.6 U	1.5 U	1.6 U	1.5 U
SW8270C	1,3-Dichlorobenzene	mg/kg	0.4 U	0 37 U	0.39 U	0 37 U
SW8270C	1,3-Dinitrobenzene	mg/kg	0.4 U	0 37 U	0.39 U	0 37 U
SW8270C	1,4-Dichlorobenzene	mg/kg	0.4 U	0 37 U	0.39 U	0.37 U
SW8270C	1,4-Dioxane (p-Dioxane)	mg/kg	1 6 U	1 5 U	1.6 U	1.5 U
SW8270C	1,4-Naphthoquinone	mg/kg	2 U	1 9 U	2 U	1.8 U
SW8270C	1-Naphthylamine	mg/kg	0.79 U	0.74 U	0.78 U	0 74 U
SW8270C	2,2'-Oxybis(1-chloropropane)	mg/kg	0.4 U	0.37 U	0.39 U	0 37 U
SW8270C	2,3,4,6-Tetrachlorophenol	mg/kg	0 4 U	0.37 U	0.39 U	0.37 U
SW8270C	2,4,5-Trichlorophenol	mg/kg	2 U	1.9 U	2 U	1.8 U
SW8270C	2,4,6-Trichlorophenol	mg/kg	0.4 U	0.37 U	0.39 U	0 37 U
SW8270C	2,4-Dichlorophenol	mg/kg	0.4 U	0.37 U	0 39 U	0.37 U
SW8270C	2,4-Dimethylphenol	mg/kg	0.4 U	0 37 U	0.39 U	0.37 U
SW8270C	2,4-Dinitrophenol	mg/kg	2 U	1.9 U	2 U	1.8 U
SW8270C	2,4-Dinitrotoluene	mg/kg	0.4 U	0.37 U	0.39 U	0 37 U
SW8270C	2,6-Dichlorophenol	mg/kg	0.79 U	0.74 U	0.78 U	0.74 U
SW8270C	2,6-Dinitrotoluene	mg/kg	0 4 U	0.37 U	0.39 U	0.37 U
SW8270C	2-Acetylaminofluorene	mg/kg	0.79 U	0.74 U	0 78 U	0.74 U
SW8270C	2-Aminonaphthalene (beta-Naphthylamine)	mg/kg	0 79 U	0.74 U	0 78 U	0.74 U
SW8270C	2-Chloronaphthalene	mg/kg	0.4 U	0.37 U	0 39 U	0 37 U
SW8270C	2-Chlorophenol	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	2-Methylnaphthalene	mg/kg	0.4 U	0.37 U	0.39 U	0 37 U
SW8270C	2-Methylphenol (o-Cresol)	mg/kg	0.4 U	0 37 U	0.39 U	0.37 U
SW8270C	2-Nitroaniline	mg/kg	2 U	1.9 U	2 U	1.8 U
SW8270C	2-Nitrophenol	mg/kg	0.4 U	0 37 U	0 39 U	0.37 U
SW8270C	2-Picoline (alpha-Picoline)	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	3,3'-Dichlorobenzidine	mg/kg	0.79 U	0.74 U	0.78 U	0 74 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU61001.00 ft 1999-06-03	BHGLSWMU61001.05 ft 1999-06-03	BHGLSWMU61002.00 ft 1999-06-03	BHGLSWMU61002.05 ft 1999-06-03
SW8270C	3,3'-Dimethylbenzidine	mg/kg	2 U	1.9 U	2 U	1.8 U
SW8270C	3-Methylcholanthrene	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	3-Nitroaniline	mg/kg	2 U	1.9 U	2 U	1.8 U
SW8270C	4,6-Dinitro-2-methylphenol	mg/kg	2 U	1.9 U	2 U	1.8 U
SW8270C	4-Aminobiphenyl (4-Biphenylamine)	mg/kg	0.79 U	0.74 U	0.78 U	0.74 U
SW8270C	4-Bromophenyl phenyl ether	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	4-Chloro-3-methylphenol	mg/kg	0.79 U	0.74 U	0.78 U	0.74 U
SW8270C	4-Chloroaniline	mg/kg	0.79 U	0.74 U	0.78 U	0.74 U
SW8270C	4-Chlorophenyl phenyl ether	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	4-Nitroaniline	mg/kg	2 U	1.9 U	2 U	1.8 U
SW8270C	4-Nitrophenol	mg/kg	2 U	1.9 U	2 U	1.8 U
SW8270C	4-Nitroquinoline-1-oxide	mg/kg	2 U	1.9 U	2 U	1.8 U
SW8270C	5-Nitro-o-toluidine	mg/kg	0.79 U	0.74 U	0.78 U	0.74 U
SW8270C	7,12-Dimethylbenzo(a)anthracene	mg/kg	0.79 U	0.74 U	0.78 U	0.74 U
SW8270C	Acenaphthene	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	Acenaphthylene	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	Acetophenone	mg/kg	0.79 U	0.74 U	0.78 U	0.74 U
SW8270C	alpha, alpha-Dimethylphenethylamine	mg/kg	2 U	1.9 U	2 U	1.8 U
SW8270C	Aniline (Phenylamine, Aminobenzene)	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	Anthracene	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	Aramite (total)	mg/kg	0.79 U	0.74 U	0.78 U	0.74 U
SW8270C	Benzo(a)anthracene	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	Benzo(a)pyrene	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	Benzo(b)fluoranthene	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	Benzo(g,h,i)perylene	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	Benzo(k)fluoranthene	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	Benzoic acid	mg/kg	2 U	1.9 R	2 R	1.8 R
SW8270C	Benzyl alcohol	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	Benzyl butyl phthalate	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	bis(2-Chloroethoxy)methane	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	bis(2-Chloroethyl)ether (2-Chloroethyl ether)	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	bis(2-Ethylhexyl)phthalate	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	Chlorobenzilate	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	Chrysene	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	Cresols, m & p	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU61001 00 ft 1999-06-03	BHGLSWMU61001 05 ft 1999-06-03	BHGLSWMU61002 00 ft 1999-06-03	BHGLSWMU61002 05 ft 1999-06-03
SW8270C	Diallate (total of cis and trans isomers)	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	Dibenz(a,h)anthracene	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	Dibenzofuran	mg/kg	0 4 U	0.37 U	0.39 U	0.37 U
SW8270C	Diethyl phthalate	mg/kg	0.4 U	0.37 U	0 39 U	0.37 U
SW8270C	Dimethyl phthalate	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	Di-n-butyl phthalate	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	Di-n-octyl phthalate	mg/kg	0 4 U	0.37 U	0 39 U	0.37 U
SW8270C	Dinoseb	mg/kg	0.79 U	0.74 U	0.78 U	0.74 U
SW8270C	Diphenylamine	mg/kg	0.4 U	0.37 U	0.39 U	0 37 U
SW8270C	Ethyl methanesulfonate	mg/kg	0.79 U	0.74 U	0 78 U	0.74 U
SW8270C	Fluoranthene	mg/kg	0.4 U	0.37 U	0.39 U	0 37 U
SW8270C	Fluorene	mg/kg	0.34 F	0.37 U	0.39 U	0.37 U
SW8270C	Hexachlorobenzene	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	Hexachlorobutadiene	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	Hexachlorocyclopentadiene	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	Hexachloroethane	mg/kg	0.4 U	0 37 U	0.39 U	0.37 U
SW8270C	Hexachlorophene	mg/kg	5 9 U	5.6 U	5 9 U	5.6 U
SW8270C	Hexachloropropene	mg/kg	2 U	1.9 U	2 U	1.8 U
SW8270C	Indeno(1,2,3-c,d)pyrene	mg/kg	0.4 U	0 37 U	0.39 U	0.37 U
SW8270C	Isophorone	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	Isosafrole	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	Methapyrilene	mg/kg	0 99 U	0.93 U	0 98 U	0.93 U
SW8270C	Methyl methanesulfonate	mg/kg	0 4 U	0.37 U	0 39 U	0.37 U
SW8270C	Naphthalene	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	Nitrobenzene	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	N-Nitrosodiethylamine	mg/kg	0.79 U	0.74 U	0 78 U	0.74 U
SW8270C	N-Nitrosodimethylamine	mg/kg	0.79 U	0.74 U	0.78 U	0.74 U
SW8270C	N-Nitrosodi-n-butylamine	mg/kg	0.4 U	0.37 U	0 39 U	0.37 U
SW8270C	N-Nitrosodi-n-propylamine	mg/kg	0.4 U	0.37 U	0 39 U	0.37 U
SW8270C	N-Nitrosodiphenylamine	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	N-Nitrosomethylethylamine	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	N-Nitrosomorpholine	mg/kg	0.79 U	0.74 U	0.78 U	0.74 U
SW8270C	N-Nitrosopiperidine	mg/kg	0 4 U	0.37 U	0.39 U	0.37 U
SW8270C	N-Nitrosopyrrolidine	mg/kg	0.79 U	0.74 U	0.78 U	0.74 U
SW8270C	o-Toluidine	mg/kg	0 79 U	0.74 U	0.78 U	0.74 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU61001 00 ft 1999-06-03	BHGLSWMU61001 05 ft 1999-06-03	BHGLSWMU61002 00 ft 1999-06-03	BHGLSWMU61002 05 ft 1999-06-03
SW8270C	p-Dimethylaminoazobenzene	mg/kg	0.79 U	0.74 U	0.78 U	0.74 U
SW8270C	Pentachlorobenzene	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	Pentachloronitrobenzene	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	Pentachlorophenol	mg/kg	2 U	1.9 U	2 U	1.8 U
SW8270C	Phenacetin	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	Phenanthrene	mg/kg	0.044 F	0.37 U	0.39 U	0.37 U
SW8270C	Phenol	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	p-Phenylenediamine	mg/kg	1.6 U	1.5 U	1.6 U	1.5 U
SW8270C	Pronamide	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	Pyrene	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW8270C	Pyridine	mg/kg	0.79 U	0.74 U	0.78 U	0.74 U
SW8270C	Safrole	mg/kg	0.4 U	0.37 U	0.39 U	0.37 U
SW9045C	pH	pH Units	7.5	8.4	8.1	8.3
TX1005	Petroleum Hydrocarbons, Gasoline (C6 - C10)	mg/kg	58 F	3.4 F	3 F	2.9 F
TX1005	Petroleum Hydrocarbons, Heavy/Residual Fuel Oils (>C10 - C28)	mg/kg	8500	5 F	7.6 F	52 U
TX1005	Petroleum Hydrocarbons, total (C6 - C28)	mg/kg	8500	8 3 F	11 F	2.9 F

Notes
RRS 1 = Risk Reduction Standard 1
RRS 2 = Risk Reduction Standard 2
F = Estimated value below reporting limit and above the MDL
J = Estimated value above the reporting limit
U = The analyte was not detected. The associated numerical value is the MQL
UJ = The analyte was not detected The associated numerical value is the MQL, estimated due to deficiences in the QC criteria
R = The associated result was rejected due to deficiencies in QC criteria

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU61002 05 ft 1999-06-03 Duplicate	BHGLSWMU61003 00 ft 1999-06-03	BHGLSWMU61003 05 ft 1999-06-03	BHGLSWMU61004 00 ft 1999-06-03
M5500	Ethylene glycol	mg/kg	6 U	6 U	28	6 U
SW6010B	Antimony	mg/kg	0.33 F	0.33 F	3.8 UJ	4 UJ
SW6010B	Arsenic	mg/kg	0.81 F	1.9 F	1.2 F	1.8 F
SW6010B	Barium	mg/kg	61.8	40.9	26.1 F	42.3
SW6010B	Beryllium	mg/kg	0.23 J	0.48	0.44	0.29 J
SW6010B	Cadmium	mg/kg	0.17 F	0.08 F	0.13 F	0.14 F
SW6010B	Chromium, total	mg/kg	6.1 F	8.9	7 1 F	5.4 F
SW6010B	Cobalt	mg/kg	1.7 F	2.5 F	2 2 F	2.6 F
SW6010B	Copper	mg/kg	3.1 F	6.5 F	6.2 F	5.1 F
SW6010B	Lead	mg/kg	4.3 J	5.3 J	4.5 J	6.3 J
SW6010B	Nickel	mg/kg	3.8 F	5.6 F	5.6 F	4.3 F
SW6010B	Tin	mg/kg	29.1 U	32 U	30 2 U	32.3 U
SW6010B	Vanadium	mg/kg	10 4 F	17.2 F	13.4 F	11.6 F
SW6010B	Zinc	mg/kg	12.5 F	19.6 F	14.4 F	10.9 F
SW7421	Lead	mg/kg	NA	NA	NA	NA
SW7471A	Mercury	mg/kg	0.04 U	0.04 U	0.04 U	0 04 U
SW7740	Selenium	mg/kg	0.22 UJ	0.23 UJ	0 23 UJ	0.24 UJ
SW7761	Silver	mg/kg	0.15 UJ	0.31 UJ	0.31 UJ	0.32 UJ
SW7841	Thallium	mg/kg	0.75 UJ	0.77 U	0.78 U	0.8 U
SW8260B	1,1,1,2-Tetrachloroethane	mg/kg	0.003 U	0.003 U	0.003 U	0.003 U
SW8260B	1,1,1-Trichloroethane	mg/kg	0.004 U	0 004 U	0.004 U	0.004 U
SW8260B	1,1,2,2-Tetrachloroethane	mg/kg	0 002 U	0.002 U	0.002 U	0.002 UJ
SW8260B	1,1,2-Trichloroethane	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	1,1-Dichloroethane	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U
SW8260B	1,1-Dichloroethene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	1,2,3-Trichloropropane	mg/kg	0.005 U	0.005 U	0 005 U	0 005 UJ
SW8260B	1,2-Dibromo-3-chloropropane	mg/kg	0.005 U	0.005 U	0.005 U	0.005 UJ
SW8260B	1,2-Dibromoethane (Ethylene dibromide)	mg/kg	0.003 U	0.003 U	0.003 U	0.003 U
SW8260B	1,2-Dichloroethane	mg/kg	0 003 U	0.003 U	0 003 U	0.003 U
SW8260B	1,2-Dichloropropane	mg/kg	0.002 U	0.002 U	0 002 U	0.002 U
SW8260B	2-Chloro-1,3-butadiene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	2-Hexanone	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Acetone	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Acetonitrile	mg/kg	0.04 U	0.037 U	0.037 U	0.039 U
SW8260B	Acrolein	mg/kg	0 1 U	0.092 U	0.094 U	0 098 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU61002 05 ft 1999-06-03 Duplicate	BHGLSWMU61003 00 ft 1999-06-03	BHGLSWMU61003 05 ft 1999-06-03	BHGLSWMU61004 00 ft 1999-06-03
SW8260B	Acrylonitrile	mg/kg	0.04 U	0.037 U	0.037 U	0.039 U
SW8260B	Allyl chloride (3-Chloropropene)	mg/kg	0 01 U	0.009 U	0.009 U	0.01 U
SW8260B	Benzene	mg/kg	0.002 U	0.002 U	0 002 U	0.002 U
SW8260B	Bromodichloromethane	mg/kg	0.004 U	0.004 U	0.004 U	0.004 U
SW8260B	Bromoform	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Bromomethane	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Carbon disulfide	mg/kg	0 005 U	0.005 U	0 005 U	0 005 U
SW8260B	Carbon tetrachloride	mg/kg	0.005 U	0.005 U	0 005 U	0.005 U
SW8260B	Chlorobenzene	mg/kg	0.002 U	0.002 U	0.002 U	0 002 U
SW8260B	Chloroethane	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Chloroform	mg/kg	0.002 U	0.002 U	0 002 U	0.002 U
SW8260B	Chloromethane	mg/kg	0.005 U	0 005 U	0.005 U	0.005 U
SW8260B	cis-1,2-Dichloroethene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	cis-1,3-Dichloropropene	mg/kg	0.005 U	0.005 U	0 005 U	0.005 U
SW8260B	Dibromochloromethane	mg/kg	0.003 U	0.003 U	0.003 U	0.003 U
SW8260B	Dibromomethane	mg/kg	0 005 U	0.005 U	0.005 U	0.005 U
SW8260B	Dichlorodifluoromethane	mg/kg	0.005 R	0.005 R	0.005 R	0.005 R
SW8260B	Ethyl methacrylate	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Ethylbenzene	mg/kg	0.003 U	0.003 U	0.003 U	0.003 U
SW8260B	Iodomethane (Methyl iodide)	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Isobutanol	mg/kg	0 2 U	0.18 U	0.19 U	0.2 U
SW8260B	m,p-Xylene (sum of isomers)	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Methyl ethyl ketone (2-Butanone)	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Methyl isobutyl ketone (4-Methyl-2-pentanone)	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Methyl methacrylate	mg/kg	0.005 U	0.005 U	0 005 U	0.005 U
SW8260B	Methylacrylonitrile	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Methylene chloride	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U
SW8260B	o-Xylene (1,2-Dimethylbenzene)	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Pentachloroethane	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Propane nitrile (Propionitrile)	mg/kg	0 02 U	0.018 U	0.019 U	0.02 U
SW8260B	Styrene	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U
SW8260B	Tetrachloroethene (PCE)	mg/kg	0.029 J	0.014	0.013	0.028 J
SW8260B	Toluene	mg/kg	0.005 U	0.005 U	0 005 U	0.005 U
SW8260B	Trans-1,2-Dichloroethene	mg/kg	0.003 U	0.003 U	0.003 U	0.003 U
SW8260B	Trans-1,3-Dichloropropene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU61002 05 ft 1999-06-03 Duplicate	BHGLSWMU61003 00 ft 1999-06-03	BHGLSWMU61003 05 ft 1999-06-03	BHGLSWMU61004 00 ft 1999-06-03
SW8260B	Trans-1,4-Dichloro-2-Butene	mg/kg	0.005 U	0.005 U	0.005 U	0 005 U
SW8260B	Trichloroethene (TCE)	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8260B	Trichlorofluoromethane	mg/kg	NA	NA	NA	NA
SW8260B	Vinyl acetate	mg/kg	0 005 U	0.005 U	0.005 U	0 005 U
SW8260B	Vinyl chloride	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U
SW8270C	1,2,4,5-Tetrachlorobenzene	mg/kg	0 37 U	0.38 U	0.37 U	0.38 U
SW8270C	1,2,4-Trichlorobenzene	mg/kg	0.37 U	0.38 UJ	0.37 U	0.38 UJ
SW8270C	1,2-Dichlorobenzene	mg/kg	0.37 U	0.38 U	0.37 U	0 38 UJ
SW8270C	1,3,5-Trinitrobenzene	mg/kg	1.5 U	1.5 U	1.5 U	1 5 U
SW8270C	1,3-Dichlorobenzene	mg/kg	0.37 U	0.38 U	0.37 U	0.38 UJ
SW8270C	1,3-Dinitrobenzene	mg/kg	0 37 U	0.38 U	0.37 U	0 38 U
SW8270C	1,4-Dichlorobenzene	mg/kg	0.37 U	0.38 U	0.37 U	0.38 UJ
SW8270C	1,4-Dioxane (p-Dioxane)	mg/kg	1.5 U	1.5 U	1.5 U	1.5 U
SW8270C	1,4-Naphthoquinone	mg/kg	1.8 U	1.9 U	1 8 U	1.9 U
SW8270C	1-Naphthylamine	mg/kg	0.74 U	0.75 U	0.74 U	0.77 U
SW8270C	2,2'-Oxybis(1-chloropropane)	mg/kg	0.37 U	0.38 U	0.37 U	0.38 U
SW8270C	2,3,4,6-Tetrachlorophenol	mg/kg	0.37 U	0.38 UJ	0.37 U	0.38 UJ
SW8270C	2,4,5-Trichlorophenol	mg/kg	1.8 U	1.9 UJ	1.8 U	1.9 UJ
SW8270C	2,4,6-Trichlorophenol	mg/kg	0.37 U	0.38 UJ	0.37 U	0 38 UJ
SW8270C	2,4-Dichlorophenol	mg/kg	0.37 U	0.38 UJ	0.37 U	0.38 UJ
SW8270C	2,4-Dimethylphenol	mg/kg	0.37 U	0.38 UJ	0.37 U	0.38 UJ
SW8270C	2,4-Dinitrophenol	mg/kg	1.8 U	1.9 UJ	1.8 U	1.9 UJ
SW8270C	2,4-Dinitrotoluene	mg/kg	0.37 U	0.38 UJ	0.37 U	0.38 UJ
SW8270C	2,6-Dichlorophenol	mg/kg	0.74 U	0.75 U	0.74 U	0.77 U
SW8270C	2,6-Dinitrotoluene	mg/kg	0.37 U	0.38 UJ	0 37 U	0.38 UJ
SW8270C	2-Acetylaminofluorene	mg/kg	0.74 U	0 75 U	0.74 U	0.77 U
SW8270C	2-Aminonaphthalene (beta-Naphthylamine)	mg/kg	0.74 U	0.75 U	0.74 U	0.77 U
SW8270C	2-Chloronaphthalene	mg/kg	0.37 U	0.38 UJ	0 37 U	0 38 UJ
SW8270C	2-Chlorophenol	mg/kg	0.37 U	0 38 U	0.37 U	0.38 UJ
SW8270C	2-Methylnaphthalene	mg/kg	0.37 U	0.38 UJ	0.37 U	0.38 UJ
SW8270C	2-Methylphenol (o-Cresol)	mg/kg	0.37 U	0.38 U	0.37 U	0.38 U
SW8270C	2-Nitroaniline	mg/kg	1.8 U	1.9 UJ	1 8 U	1.9 UJ
SW8270C	2-Nitrophenol	mg/kg	0.37 U	0.38 UJ	0.37 U	0.38 UJ
SW8270C	2-Picoline (alpha-Picoline)	mg/kg	0.37 U	0.38 U	0 37 U	0.38 U
SW8270C	3,3'-Dichlorobenzidine	mg/kg	0.74 U	0.75 U	0.74 U	0.77 UJ

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU61002 05 ft 1999-06-03 Duplicate	BHGLSWMU61003 00 ft 1999-06-03	BHGLSWMU61003 05 ft 1999-06-03	BHGLSWMU61004 00 ft 1999-06-03
SW8270C	3,3'-Dimethylbenzidine	mg/kg	1.8 U	1.9 U	1.8 U	1.9 U
SW8270C	3-Methylcholanthrene	mg/kg	0.37 U	0.38 U	0.37 U	0.38 U
SW8270C	3-Nitroaniline	mg/kg	1.8 U	1.9 UJ	1.8 U	1.9 UJ
SW8270C	4,6-Dinitro-2-methylphenol	mg/kg	1 8 U	1.9 U	1.8 U	1.9 UJ
SW8270C	4-Aminobiphenyl (4-Biphenylamine)	mg/kg	0.74 U	0.75 U	0.74 U	0.77 U
SW8270C	4-Bromophenyl phenyl ether	mg/kg	0.37 U	0.38 U	0.37 U	0.38 UJ
SW8270C	4-Chloro-3-methylphenol	mg/kg	0.74 U	0 75 UJ	0.74 U	0.77 UJ
SW8270C	4-Chloroaniline	mg/kg	0.74 U	0.75 UJ	0.74 U	0.77 UJ
SW8270C	4-Chlorophenyl phenyl ether	mg/kg	0.37 U	0.38 UJ	0 37 U	0.38 UJ
SW8270C	4-Nitroaniline	mg/kg	1.8 U	1.9 UJ	1.8 U	1.9 UJ
SW8270C	4-Nitrophenol	mg/kg	1.8 U	1.9 UJ	1.8 U	1.9 UJ
SW8270C	4-Nitroquinoline-1-oxide	mg/kg	1.8 U	1.9 U	1.8 U	1.9 U
SW8270C	5-Nitro-o-toluidine	mg/kg	0.74 U	0.75 U	0 74 U	0 77 U
SW8270C	7,12-Dimethylbenzo(a)anthracene	mg/kg	0 74 U	0.75 U	0.74 U	0.77 U
SW8270C	Acenaphthene	mg/kg	0.37 U	0.38 UJ	0.37 U	0.38 UJ
SW8270C	Acenaphthylene	mg/kg	0.37 U	0.38 UJ	0.37 U	0.38 UJ
SW8270C	Acetophenone	mg/kg	0.74 U	0.75 U	0.74 U	0.77 U
SW8270C	alpha, alpha-Dimethylphenethylamine	mg/kg	1.8 U	1.9 U	1.8 U	1.9 U
SW8270C	Aniline (Phenylamine, Aminobenzene)	mg/kg	0.37 U	0.38 U	0.37 U	0.38 UJ
SW8270C	Anthracene	mg/kg	0.37 U	0.38 U	0.37 U	0.38 UJ
SW8270C	Aramite (total)	mg/kg	0.74 U	0.75 U	0.74 U	0.77 U
SW8270C	Benzo(a)anthracene	mg/kg	0.37 U	0.38 U	0.37 U	0.38 UJ
SW8270C	Benzo(a)pyrene	mg/kg	0.37 U	0.38 U	0.37 U	0.38 U
SW8270C	Benzo(b)fluoranthene	mg/kg	0.37 U	0.38 U	0.37 U	0.38 U
SW8270C	Benzo(g,h,i)perylene	mg/kg	0.37 U	0.38 U	0 37 U	0.38 U
SW8270C	Benzo(k)fluoranthene	mg/kg	0.37 U	0.38 U	0 37 U	0.38 U
SW8270C	Benzoic acid	mg/kg	1 8 R	1.9 R	1.8 R	1.9 R
SW8270C	Benzyl alcohol	mg/kg	0.37 U	0.38 U	0.37 U	0.38 UJ
SW8270C	Benzyl butyl phthalate	mg/kg	0.37 U	0.38 U	0.37 U	0.38 UJ
SW8270C	bis(2-Chloroethoxy)methane	mg/kg	0.37 U	0.38 UJ	0.37 U	0.38 UJ
SW8270C	bis(2-Chloroethyl)ether (2-Chloroethyl ether)	mg/kg	0 37 U	0.38 U	0.37 U	0.38 UJ
SW8270C	bis(2-Ethylhexyl)phthalate	mg/kg	0.37 U	0.38 U	0.37 U	0.38 UJ
SW8270C	Chlorobenzilate	mg/kg	0.37 U	0.38 U	0.37 U	0.38 U
SW8270C	Chrysene	mg/kg	0.37 U	0.38 U	0.37 U	0.38 UJ
SW8270C	Cresols, m & p	mg/kg	0.37 U	0.38 U	0.37 U	0.38 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU61002 05 ft 1999-06-03 Duplicate	BHGLSWMU61003 00 ft 1999-06-03	BHGLSWMU61003 05 ft 1999-06-03	BHGLSWMU61004 00 ft 1999-06-03
SW8270C	Diallate (total of cis and trans isomers)	mg/kg	0.37 U	0.38 U	0.37 U	0.38 U
SW8270C	Dibenz(a,h)anthracene	mg/kg	0.37 U	0.38 U	0.37 U	0.38 U
SW8270C	Dibenzofuran	mg/kg	0.37 U	0.38 UJ	0.37 U	0.38 UJ
SW8270C	Diethyl phthalate	mg/kg	0.37 U	0.38 UJ	0 37 U	0.38 UJ
SW8270C	Dimethyl phthalate	mg/kg	0.37 U	0.38 UJ	0.37 U	0.38 UJ
SW8270C	Di-n-butyl phthalate	mg/kg	0.37 U	0.38 U	0.37 U	0.38 UJ
SW8270C	Di-n-octyl phthalate	mg/kg	0.37 U	0.38 U	0.37 U	0 38 U
SW8270C	Dinoseb	mg/kg	0.74 U	0.75 U	0.74 U	0.77 U
SW8270C	Diphenylamine	mg/kg	0.37 U	0 38 U	0.37 U	0.38 U
SW8270C	Ethyl methanesulfonate	mg/kg	0.74 U	0.75 U	0.74 U	0.77 U
SW8270C	Fluoranthene	mg/kg	0.37 U	0.38 U	0.37 U	0.38 UJ
SW8270C	Fluorene	mg/kg	0.37 U	0.38 UJ	0 37 U	0.38 UJ
SW8270C	Hexachlorobenzene	mg/kg	0.37 U	0.38 U	0.37 U	0.38 UJ
SW8270C	Hexachlorobutadiene	mg/kg	0.37 U	0.38 UJ	0.37 U	0.38 UJ
SW8270C	Hexachlorocyclopentadiene	mg/kg	0 37 U	0.38 UJ	0 37 U	0.38 UJ
SW8270C	Hexachloroethane	mg/kg	0.37 U	0.38 U	0.37 U	0.38 UJ
SW8270C	Hexachlorophene	mg/kg	5.5 U	5.6 U	5.5 U	5.8 U
SW8270C	Hexachloropropene	mg/kg	1.8 U	1.9 U	1 8 U	1.9 U
SW8270C	Indeno(1,2,3-c,d)pyrene	mg/kg	0.37 U	0.38 U	0.37 U	0.38 U
SW8270C	Isophorone	mg/kg	0.37 U	0.38 UJ	0 37 U	0.38 UJ
SW8270C	Isosafrole	mg/kg	0.37 U	0.38 U	0.37 U	0.38 U
SW8270C	Methapyrilene	mg/kg	0.92 U	0.94 U	0.92 U	0.96 U
SW8270C	Methyl methanesulfonate	mg/kg	0.37 U	0.38 U	0.37 U	0.38 U
SW8270C	Naphthalene	mg/kg	0.37 U	0.38 UJ	0.37 U	0.38 UJ
SW8270C	Nitrobenzene	mg/kg	0.37 U	0.38 UJ	0 37 U	0.38 UJ
SW8270C	N-Nitrosodiethylamine	mg/kg	0.74 U	0.75 U	0.74 U	0.77 U
SW8270C	N-Nitrosodimethylamine	mg/kg	0.74 U	0.75 U	0.74 U	0.77 UJ
SW8270C	N-Nitrosodi-n-butylamine	mg/kg	0.37 U	0.38 U	0.37 U	0.38 U
SW8270C	N-Nitrosodi-n-propylamine	mg/kg	0.37 U	0.38 U	0.37 U	0.38 UJ
SW8270C	N-Nitrosodiphenylamine	mg/kg	0 37 U	0.38 U	0.37 U	0.38 UJ
SW8270C	N-Nitrosomethylethylamine	mg/kg	0.37 U	0 38 U	0.37 U	0.38 U
SW8270C	N-Nitrosomorpholine	mg/kg	0.74 U	0.75 U	0.74 U	0.77 U
SW8270C	N-Nitrosopiperidine	mg/kg	0.37 U	0.38 U	0.37 U	0.38 U
SW8270C	N-Nitrosopyrrolidine	mg/kg	0.74 U	0.75 U	0.74 U	0.77 U
SW8270C	o-Toluidine	mg/kg	0.74 U	0.75 U	0.74 U	0.77 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU61002 05 ft 1999-06-03 Duplicate	BHGLSWMU61003 00 ft 1999-06-03	BHGLSWMU61003 05 ft 1999-06-03	BHGLSWMU61004 00 ft 1999-06-03
SW8270C	p-Dimethylaminoazobenzene	mg/kg	0.74 U	0.75 U	0 74 U	0.77 U
SW8270C	Pentachlorobenzene	mg/kg	0.37 U	0.38 U	0.37 U	0.38 U
SW8270C	Pentachloronitrobenzene	mg/kg	0.37 U	0.38 U	0.37 U	0.38 U
SW8270C	Pentachlorophenol	mg/kg	1.8 U	1.9 U	1.8 U	1.9 UJ
SW8270C	Phenacetin	mg/kg	0.37 U	0.38 U	0.37 U	0.38 U
SW8270C	Phenanthrene	mg/kg	0.37 U	0.38 U	0.37 U	0.38 UJ
SW8270C	Phenol	mg/kg	0 37 U	0.38 U	0 37 U	0.38 UJ
SW8270C	p-Phenylenediamine	mg/kg	1.5 U	1.5 U	1.5 U	1.5 U
SW8270C	Pronamide	mg/kg	0.37 U	0.38 U	0.37 U	0.38 U
SW8270C	Pyrene	mg/kg	0.37 U	0.38 U	0.37 U	0.38 UJ
SW8270C	Pyridine	mg/kg	0.74 U	0.75 U	0.74 U	0.77 UJ
SW8270C	Safrole	mg/kg	0.37 U	0.38 U	0 37 U	0.38 U
SW9045C	pH	pH Units	8.5	8.2	8	8 1
TX1005	Petroleum Hydrocarbons, Gasoline (C6 - C10)	mg/kg	3 5 F	3.3 F	2 8 F	54 U
TX1005	Petroleum Hydrocarbons, Heavy/Residual Fuel Oils (>C10 - C28)	mg/kg	3 4 F	56 U	55 U	54 U
TX1005	Petroleum Hydrocarbons, total (C6 - C28)	mg/kg	6.9 F	3.3 F	2.8 F	54 U

Notes
RRS 1 = Risk Reduction Standard 1
RRS 2 = Risk Reduction Standard 2
F = Estimated value below reporting limit and above the MDL
J = Estimated value above the reporting limit
U = The analyte was not detected The associated numerical value is the MQL
UJ = The analyte was not detected The associated numerical value is the MQL, estimated due to deficiences in the QC criteria
R = The associated result was rejected due to deficiencies in QC criteria

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU61004 05 ft 1999-06-03	BHGLSWMU61005 00 ft 1999-06-03	BHGLSWMU61005 05 ft 1999-06-03
M5500	Ethylene glycol	mg/kg	5 U	17	5 U
SW6010B	Antimony	mg/kg	4 UJ	4.2 UJ	0 36 F
SW6010B	Arsenic	mg/kg	1.2 F	3.5 F	1.9 F
SW6010B	Barium	mg/kg	42.9	147	61.3
SW6010B	Beryllium	mg/kg	0.3 J	0.97	0.36
SW6010B	Cadmium	mg/kg	0.2 F	0.33 F	0 18 F
SW6010B	Chromium, total	mg/kg	7.3 F	16.4	8.5
SW6010B	Cobalt	mg/kg	2 3 F	7.1	2.2 F
SW6010B	Copper	mg/kg	4.7 F	8.6	3.3 F
SW6010B	Lead	mg/kg	4 J	8.8 J	5.4 J
SW6010B	Nickel	mg/kg	5.6 F	14.7	5 F
SW6010B	Tin	mg/kg	31.8 U	33.3 U	32.7 U
SW6010B	Vanadium	mg/kg	13 1 F	29 2	13.5 F
SW6010B	Zinc	mg/kg	14.2 F	31.1	17.9 F
SW7421	Lead	mg/kg	NA	NA	NA
SW7471A	Mercury	mg/kg	0.04 U	0.04 U	0.04 U
SW7740	Selenium	mg/kg	1.2 UJ	0 24 UJ	0 24 UJ
SW7761	Silver	mg/kg	0.32 UJ	0 16 UJ	0 32 UJ
SW7841	Thallium	mg/kg	0 79 U	0.82 UJ	0.8 UJ
SW8260B	1,1,1,2-Tetrachloroethane	mg/kg	0.003 U	0.003 U	0 003 U
SW8260B	1,1,1-Trichloroethane	mg/kg	0.004 U	0.004 R	0.004 U
SW8260B	1,1,2,2-Tetrachloroethane	mg/kg	0.002 U	0.002 U	0.002 U
SW8260B	1,1,2-Trichloroethane	mg/kg	0.004 U	0.006 U	0.005 U
SW8260B	1,1-Dichloroethane	mg/kg	0.002 U	0.002 U	0 002 U
SW8260B	1,1-Dichloroethene	mg/kg	0.004 U	0.006 U	0 005 U
SW8260B	1,2,3-Trichloropropane	mg/kg	0.004 U	0.006 R	0.005 U
SW8260B	1,2-Dibromo-3-chloropropane	mg/kg	0.004 U	0.006 U	0.005 U
SW8260B	1,2-Dibromoethane (Ethylene dibromide)	mg/kg	0.003 U	0.003 U	0.003 U
SW8260B	1,2-Dichloroethane	mg/kg	0 003 U	0 003 U	0.003 U
SW8260B	1,2-Dichloropropane	mg/kg	0.002 U	0.002 U	0.002 U
SW8260B	2-Chloro-1,3-butadiene	mg/kg	0.004 U	0.006 U	0.005 U
SW8260B	2-Hexanone	mg/kg	0.004 U	0.006 U	0.005 U
SW8260B	Acetone	mg/kg	0.004 U	0.006 U	0.005 U
SW8260B	Acetonitrile	mg/kg	0.036 U	0.045 U	0.039 U
SW8260B	Acrolein	mg/kg	0.09 U	0.11 U	0.098 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU61004 05 ft 1999-06-03	BHGLSWMU61005 00 ft 1999-06-03	BHGLSWMU61005 05 ft 1999-06-03
SW8260B	Acrylonitrile	mg/kg	0.036 U	0.045 U	0 039 U
SW8260B	Allyl chloride (3-Chloropropene)	mg/kg	0.009 U	0.011 U	0.01 U
SW8260B	Benzene	mg/kg	0.002 U	0.002 U	0.002 U
SW8260B	Bromodichloromethane	mg/kg	0.004 U	0.004 U	0.004 U
SW8260B	Bromoform	mg/kg	0.004 U	0.006 U	0 005 U
SW8260B	Bromomethane	mg/kg	0.004 U	0 006 R	0 005 U
SW8260B	Carbon disulfide	mg/kg	0 004 U	0.006 U	0.005 U
SW8260B	Carbon tetrachloride	mg/kg	0.004 U	0.006 R	0 005 U
SW8260B	Chlorobenzene	mg/kg	0.002 U	0.002 U	0 002 U
SW8260B	Chloroethane	mg/kg	0.004 U	0.006 U	0 005 U
SW8260B	Chloroform	mg/kg	0.002 U	0.002 U	0.002 U
SW8260B	Chloromethane	mg/kg	0.004 U	0.006 U	0.005 U
SW8260B	cis-1,2-Dichloroethene	mg/kg	0.004 U	0 006 U	0 005 U
SW8260B	cis-1,3-Dichloropropene	mg/kg	0.004 U	0.006 U	0.005 U
SW8260B	Dibromochloromethane	mg/kg	0.003 U	0.003 U	0 003 U
SW8260B	Dibromomethane	mg/kg	0.004 U	0 006 U	0 005 U
SW8260B	Dichlorodifluoromethane	mg/kg	0.004 R	0.006 R	0.005 R
SW8260B	Ethyl methacrylate	mg/kg	0 004 U	0 006 U	0.005 U
SW8260B	Ethylbenzene	mg/kg	0.003 U	0.003 U	0.003 U
SW8260B	Iodomethane (Methyl iodide)	mg/kg	0.004 U	0.006 U	0.005 U
SW8260B	Isobutanol	mg/kg	0.18 U	0.22 U	0.2 U
SW8260B	m,p-Xylene (sum of isomers)	mg/kg	0.004 U	0.006 U	0 005 U
SW8260B	Methyl ethyl ketone (2-Butanone)	mg/kg	0.004 U	0.006 U	0.005 U
SW8260B	Methyl isobutyl ketone (4-Methyl-2-pentanone)	mg/kg	0.004 U	0.006 U	0 005 U
SW8260B	Methyl methacrylate	mg/kg	0.004 U	0.006 U	0.005 U
SW8260B	Methylacrylonitrile	mg/kg	0.004 U	0.006 U	0.005 U
SW8260B	Methylene chloride	mg/kg	0.002 U	0.002 U	0.002 U
SW8260B	o-Xylene (1,2-Dimethylbenzene)	mg/kg	0.004 U	0.006 U	0.005 U
SW8260B	Pentachloroethane	mg/kg	0.004 U	0.006 U	0.005 U
SW8260B	Propane nitrile (Propionitrile)	mg/kg	0.018 U	0.022 U	0.02 U
SW8260B	Styrene	mg/kg	0.002 U	0.002 U	0 002 U
SW8260B	Tetrachloroethene (PCE)	mg/kg	0.008 J	0.006 U	0.005 U
SW8260B	Toluene	mg/kg	0.004 U	0.006 U	0.005 U
SW8260B	Trans-1,2-Dichloroethene	mg/kg	0.003 U	0.003 U	0.003 U
SW8260B	Trans-1,3-Dichloropropene	mg/kg	0.004 U	0.006 U	0.005 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU61004 05 ft 1999-06-03	BHGLSWMU61005 00 ft 1999-06-03	BHGLSWMU61005 05 ft 1999-06-03
SW8260B	Trans-1,4-Dichloro-2-Butene	mg/kg	0.004 U	0.006 U	0 005 U
SW8260B	Trichloroethene (TCE)	mg/kg	0.004 U	0.006 U	0.005 U
SW8260B	Trichlorofluoromethane	mg/kg	NA	NA	NA
SW8260B	Vinyl acetate	mg/kg	0.004 U	0.006 U	0.005 U
SW8260B	Vinyl chloride	mg/kg	0.004 U	0.006 U	0 005 U
SW8270C	1,2,4,5-Tetrachlorobenzene	mg/kg	0.37 U	0.39 U	0 38 U
SW8270C	1,2,4-Trichlorobenzene	mg/kg	0.37 U	0.39 U	0 38 U
SW8270C	1,2-Dichlorobenzene	mg/kg	0.37 U	0.39 U	0 38 U
SW8270C	1,3,5-Trinitrobenzene	mg/kg	1.5 U	1.6 U	1.5 U
SW8270C	1,3-Dichlorobenzene	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	1,3-Dinitrobenzene	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	1,4-Dichlorobenzene	mg/kg	0 37 U	0.39 U	0.38 U
SW8270C	1,4-Dioxane (p-Dioxane)	mg/kg	1 5 U	1.6 U	1.5 U
SW8270C	1,4-Naphthoquinone	mg/kg	1.9 U	2 U	1.9 U
SW8270C	1-Naphthylamine	mg/kg	0.74 U	0.78 U	0.76 U
SW8270C	2,2'-Oxybis(1-chloropropane)	mg/kg	0.37 U	0.39 U	0 38 U
SW8270C	2,3,4,6-Tetrachlorophenol	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	2,4,5-Trichlorophenol	mg/kg	1.9 U	2 U	1.9 U
SW8270C	2,4,6-Trichlorophenol	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	2,4-Dichlorophenol	mg/kg	0 37 U	0.39 U	0.38 U
SW8270C	2,4-Dimethylphenol	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	2,4-Dinitrophenol	mg/kg	1.9 U	2 U	1.9 U
SW8270C	2,4-Dinitrotoluene	mg/kg	0 37 U	0.39 U	0 38 U
SW8270C	2,6-Dichlorophenol	mg/kg	0 74 U	0.78 U	0.76 U
SW8270C	2,6-Dinitrotoluene	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	2-Acetylaminofluorene	mg/kg	0.74 U	0.78 U	0.76 U
SW8270C	2-Aminonaphthalene (beta-Naphthylamine)	mg/kg	0.74 U	0.78 U	0 76 U
SW8270C	2-Chloronaphthalene	mg/kg	0 37 U	0.39 U	0.38 U
SW8270C	2-Chlorophenol	mg/kg	0 37 U	0.39 U	0.38 U
SW8270C	2-Methylnaphthalene	mg/kg	0 37 U	0.39 U	0.38 U
SW8270C	2-Methylphenol (o-Cresol)	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	2-Nitroaniline	mg/kg	1.9 U	2 U	1.9 U
SW8270C	2-Nitrophenol	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	2-Picoline (alpha-Picoline)	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	3,3'-Dichlorobenzidine	mg/kg	0.74 U	0.78 U	0 76 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU61004 05 ft 1999-06-03	BHGLSWMU61005 00 ft 1999-06-03	BHGLSWMU61005 05 ft 1999-06-03
SW8270C	3,3'-Dimethylbenzidine	mg/kg	1.9 U	2 U	1.9 U
SW8270C	3-Methylcholanthrene	mg/kg	0.37 U	0.39 U	0 38 U
SW8270C	3-Nitroaniline	mg/kg	1.9 U	2 U	1.9 U
SW8270C	4,6-Dinitro-2-methylphenol	mg/kg	1.9 U	2 U	1 9 U
SW8270C	4-Aminobiphenyl (4-Biphenylamine)	mg/kg	0 74 U	0 78 U	0 76 U
SW8270C	4-Bromophenyl phenyl ether	mg/kg	0.37 U	0 39 U	0.38 U
SW8270C	4-Chloro-3-methylphenol	mg/kg	0.74 U	0 78 U	0 76 U
SW8270C	4-Chloroaniline	mg/kg	0.74 U	0.78 U	0 76 U
SW8270C	4-Chlorophenyl phenyl ether	mg/kg	0.37 U	0.39 U	0 38 U
SW8270C	4-Nitroaniline	mg/kg	1.9 U	2 U	1.9 U
SW8270C	4-Nitrophenol	mg/kg	1.9 U	2 U	1.9 U
SW8270C	4-Nitroquinoline-1-oxide	mg/kg	1.9 U	2 U	1 9 U
SW8270C	5-Nitro-o-toluidine	mg/kg	0.74 U	0.78 U	0.76 U
SW8270C	7,12-Dimethylbenzo(a)anthracene	mg/kg	0.74 U	0.78 U	0.76 U
SW8270C	Acenaphthene	mg/kg	0 37 U	0.39 U	0.38 U
SW8270C	Acenaphthylene	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	Acetophenone	mg/kg	0.74 U	0.78 U	0 76 U
SW8270C	alpha, alpha-Dimethylphenethylamine	mg/kg	1.9 U	2 U	1.9 U
SW8270C	Aniline (Phenylamine, Aminobenzene)	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	Anthracene	mg/kg	0.37 U	0.39 U	0 38 U
SW8270C	Aramite (total)	mg/kg	0.74 U	0.78 U	0.76 U
SW8270C	Benzo(a)anthracene	mg/kg	0.37 U	0.39 U	0 38 U
SW8270C	Benzo(a)pyrene	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	Benzo(b)fluoranthene	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	Benzo(g,h,i)perylene	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	Benzo(k)fluoranthene	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	Benzoic acid	mg/kg	1.9 R	2 R	1.9 R
SW8270C	Benzyl alcohol	mg/kg	0 37 U	0.39 U	0.38 U
SW8270C	Benzyl butyl phthalate	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	bis(2-Chloroethoxy)methane	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	bis(2-Chloroethyl)ether (2-Chloroethyl ether)	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	bis(2-Ethylhexyl)phthalate	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	Chlorobenzilate	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	Chrysene	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	Cresols, m & p	mg/kg	0.37 U	0 39 U	0.38 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU61004 05 ft 1999-06-03	BHGLSWMU61005 00 ft 1999-06-03	BHGLSWMU61005 05 ft 1999-06-03
SW8270C	Diallate (total of cis and trans isomers)	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	Dibenz(a,h)anthracene	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	Dibenzofuran	mg/kg	0.37 U	0 39 U	0 38 U
SW8270C	Diethyl phthalate	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	Dimethyl phthalate	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	Di-n-butyl phthalate	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	Di-n-octyl phthalate	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	Dinoseb	mg/kg	0.74 U	0.78 U	0.76 U
SW8270C	Diphenylamine	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	Ethyl methanesulfonate	mg/kg	0.74 U	0.78 U	0.76 U
SW8270C	Fluoranthene	mg/kg	0.37 U	0.39 U	0 38 U
SW8270C	Fluorene	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	Hexachlorobenzene	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	Hexachlorobutadiene	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	Hexachlorocyclopentadiene	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	Hexachloroethane	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	Hexachlorophene	mg/kg	5 6 U	5.9 U	5.7 U
SW8270C	Hexachloropropene	mg/kg	1.9 U	2 U	1 9 U
SW8270C	Indeno(1,2,3-c,d)pyrene	mg/kg	0.37 U	0.39 U	0 38 U
SW8270C	Isophorone	mg/kg	0 37 U	0.39 U	0 38 U
SW8270C	Isosafrole	mg/kg	0.37 U	0.39 U	0 38 U
SW8270C	Methapyrilene	mg/kg	0.93 U	0.98 U	0.95 U
SW8270C	Methyl methanesulfonate	mg/kg	0.37 U	0.39 U	0 38 U
SW8270C	Naphthalene	mg/kg	0.37 U	0.39 U	0 38 U
SW8270C	Nitrobenzene	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	N-Nitrosodiethylamine	mg/kg	0.74 U	0.78 U	0.76 U
SW8270C	N-Nitrosodimethylamine	mg/kg	0.74 U	0.78 U	0.76 U
SW8270C	N-Nitrosodi-n-butylamine	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	N-Nitrosodi-n-propylamine	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	N-Nitrosodiphenylamine	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	N-Nitrosomethylethylamine	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	N-Nitrosomorpholine	mg/kg	0.74 U	0.78 U	0.76 U
SW8270C	N-Nitrosopiperidine	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	N-Nitrosopyrrolidine	mg/kg	0.74 U	0.78 U	0.76 U
SW8270C	o-Toluidine	mg/kg	0 74 U	0.78 U	0.76 U

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Table E.1
Phase I Analytical Soil Data Summary
SWMUs 5, 6, 12, 31, and 61
NAS Fort Worth JRB, Texas

Method	Analyte	Unit	BHGLSWMU61004 05 ft 1999-06-03	BHGLSWMU61005 00 ft 1999-06-03	BHGLSWMU61005 05 ft 1999-06-03
SW8270C	p-Dimethylaminoazobenzene	mg/kg	0.74 U	0.78 U	0.76 U
SW8270C	Pentachlorobenzene	mg/kg	0 37 U	0.39 U	0.38 U
SW8270C	Pentachloronitrobenzene	mg/kg	0 37 U	0.39 U	0.38 U
SW8270C	Pentachlorophenol	mg/kg	1.9 U	2 U	1.9 U
SW8270C	Phenacetin	mg/kg	0 37 U	0.39 U	0.38 U
SW8270C	Phenanthrene	mg/kg	0 37 U	0 39 U	0.38 U
SW8270C	Phenol	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	p-Phenylenediamine	mg/kg	1.5 U	1.6 U	1.5 U
SW8270C	Pronamide	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	Pyrene	mg/kg	0.37 U	0.39 U	0.38 U
SW8270C	Pyridine	mg/kg	0.74 U	0.78 U	0.76 U
SW8270C	Safrole	mg/kg	0.37 U	0.39 U	0.38 U
SW9045C	pH	pH Units	8.6	7 9	8.8
TX1005	Petroleum Hydrocarbons, Gasoline (C6 - C10)	mg/kg	3.1 F	3.3 F	2 9 F
TX1005	Petroleum Hydrocarbons, Heavy/Residual Fuel Oils (>C10 - C28)	mg/kg	55 U	56 U	54 U
TX1005	Petroleum Hydrocarbons, total (C6 - C28)	mg/kg	3.1 F	3 3 F	2 9 F

Notes

RRS 1 = Risk Reduction Standard 1

RRS 2 = Risk Reduction Standard 2

F = Estimated value below reporting limit and above the MDL

J = Estimated value above the reporting limit

U = The analyte was not detected The associated numerical value is the MQL

UJ = The analyte was not detected The associated numerical value is the MQL, estimated due to deficiences in the QC criteria

R = The associated result was rejected due to deficiencies in QC criteria

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TAB

APPENDIX F

APPENDIX F

Field Forms

BORING LOGS

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU05001

Project No: AFC001-15BBC
Project: WAA Phase I RFI
Client: AFCEE
Location: SWMU 05
Northing: 6967981 13

Date: 06/04/99
Geologist: M Kidwell
Ground Surface Elevation: 602 22
Easting: 2297803.52

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
1		*Clayey Silt* Top 6" surface soil and grass, 2.5YR 3/6 clayey silt, slightly plastic, stiff, transition to 7 5YR 3/3 dk brown clayey silt, slightly plastic, stiff, w/lenses of 7 5YR 2 5/1 black	600	ML	100%	Dry		
2		*Clayey Silt with Sand* 10YR 5/2 clayey silt marbled w/10YR 6/8 silty sand, stiff, slightly plastic, interspersed w/gravel (5%)	598	ML	100%	Dry		
3								
4		*Clayey Silt with Sand* Same as above w/lenses of 5YR 4/6 sand	596	ML	100%	Dry		
5								
6		*Clay, Silt, and Sand* 10YR 5/2 grayish brown sandy clay, slightly plastic, v stiff, transition to 10YR 4/6 dk yellowish brown sandy silt w/threads of the above clay, transition to 10YR 4/6 dk yellowish brown silty sand	594	ML	100%	Moist		
7								
8		*No Recovery*	592		0%			
9								
10		*Sand* 10YR 5/8 strong brown fine sand transitioning to 7.5YR 7/2 pinkish gray sand	590	SW	100%	Wet		Water table at 10 2' Did not collect sample
11								
12								
13								
14								
15								
16								

Drilled By: TEG
Drill Method: DPT
Drilling Equipment. Strataprobe

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2"
Total Depth Drilled· 12'
Sheet· 1 of 1

HydroGeoLogic INC.

Borehole ID: BHGLSWMU05002

Project No: AFC001-15BBC
Project: WAA Phase I RFI
Client: AFCEE
Location: SWMU 05
Northing: 6967964.6

Date: 06/04/99
Geologist: M Kidwell
Ground Surface Elevation: 602 15
Easting: 2297802.62

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
1–2		*Clayey Silt* 7 5YR 3/3 dk brown clayey silt, slightly plastic, v stiff w/marbling of 7.5YR 2 5/2 v dk brown clayey silt (same consistency and plasticity)	600	ML	85%	Dry		
2–4		*Clayey Silt with Sand* 10YR 5/2 grayish brown clayey silt marbled w/10YR 6/8 brownish yellow silty sand, stiff, slightly plastic, interspersed w/coarse sand and gravel (3%)	598	ML	100%	Dry		
4–6		*Clayey Silt with Sand* Same as above	596	ML	100%	Dry		
6–8		*Silty Sand* 10YR 3/3 dk brown fine silty sand, med dense w/lenses of 10YR 3/1 v dk gray silty sand, non-plastic, stiff	594	SM	100%	Moist		
8–10		*Sand* 10YR 5/2 grayish brown fine silty sand w/pockets of 10YR 4/6 dk yellowish brown, non-plastic, damp; transition to 7 5YR 5/8 strong brown fine sand, wet	592	SW	100%	Wet		Water table at 9.5'
10–16								

Drilled By: TEG
Drill Method: DPT
Drilling Equipment: Strataprobe

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2"
Total Depth Drilled: 10'
Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU05003

Project No: AFC001-15BBC
Project: WAA Phase I RFI
Client: AFCEE
Location: SWMU 05
Northing: 6967975.33

Date: 06/04/99
Geologist: M Kidwell
Ground Surface Elevation: 602 53
Easting: 2297823 29

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
1–2		***Clayey Silt*** 7 5YR 3/3 dk brown clayey silt, slightly plastic, stiff w/marbling of 7.5YR 2.5/2 v dk brown clayey silt, slightly plastic, stiff	601	ML	80%	Dry		
2–4		***Clayey Silt with Sand*** 10YR 5/2 grayish brown clayey silt, stiff, slightly plastic, marbled w/10YR 6/8 brownish yellow silty sand and lenses of 2 5YR 4/8 red sand	599	ML	100%	Dry		
4–6		***Clayey Silt with Sand*** Same as above	597	ML	100%	Dry		
6–8		***Silty Sand*** 7.5YR 5/8 strong brown silty sand, slightly plastic, v stiff, w/small lenses of 7 5YR 6/1 gray clay	595	SM	100%	Moist		
8–10		***Silty Sand*** 7 5YR 5/6 strong brown silty sand w/marbling of 7 5YR 6/1 gray silty sand (fine), soft, transitioning to 7 5YR 5/8 strong brown fine to medium sand	593	SW	100%	Moist		Slight petroleum odor
10–12		***Sand*** Same as above - fine to medium sand	591	SW	100%	Wet		Water table at 10.2' Strong petroleum odor
12–16								

Drilled By: TEG
Drill Method: DPT
Drilling Equipment: Strataprobe

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2"
Total Depth Drilled. 12'
Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU05004

Project No: AFC001-15BBC
Project: WAA Phase II RFI
Client: AFCEE
Location: SWMU 5
Northing: 6967952 717

Date: 4/24/00
Geologist: M. Kidwell
Ground Surface Elevation: 601.898
Easting: 2297803.508

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
1		*Silty Sand* 2 5YR 4/6 red Silty Sand, fine, well sorted, grass on top	601	SC	100%	Dry		
2		*Sandy Clay* 10YR 3/2 very dark grayish brown Sandy Clay, medium stiff, low plasticity	600	SC				
3		*Clayey Sand* 10YR 5/6 yellowish brown Clayey Sand with lenses of 10YR 6/2 light brownish gray fine Sand mixed with 5% coarse Sand			80%	Dry		
4				SC				
5					100%	Dry		Sample collected BHGLSWMU05004-02
6			596					End of boring
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By: ESN-South
Drill Method: DPT
Drilling Equipment: SP4

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2"
Total Depth Drilled: 6'
Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU05005

Project No: AFC001-15BBC
Project: WAA Phase II RFI
Client: AFCEE
Location: SWMU 5
Northing: 6967960 386

Date: 4/24/00
Geologist: M Kidwell
Ground Surface Elevation: 602.504
Easting: 2297820.562

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
1		*Clayey Sand* 2.5YR 5/6 red Clayey Sand mixed with 5% coarse Sand and lenses of 10YR 4/3 brown silt from 1-2'	601	SC	100%	Dry		
2		*Sandy Clay* 10YR 6/6 brownish yellow Sandy Clay, stiff, low plasticity with lenses of 10YR 6/2 light brownish gray fine Sand						
3					100%	Dry		
4				CL				
5					100%	Dry		Sample collected BHGLSWMU05005-02
6			597					End of boring
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By. ESN-South
Drill Method DPT
Drilling Equipment. SP4

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2"
Total Depth Drilled: 6'
Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU05006

Project No: AFC001-15BBC
Project: WAA Phase II RFI
Client: AFCEE
Location: SWMU 5
Northing: 6967979.796

Date: 4/24/00
Geologist: M. Kidwell
Ground Surface Elevation: 602.743
Easting: 2297834.497

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
		Concrete	602					
1		*Silty Clay* 10YR 3/2 very dark grayish brown Silty Clay, stiff, slight plasticity, uniform. Some wood		CL	50%	Dry		
2								
3			600		100%	Dry		
4		*Silty Clay* Grades from above lithology to 5Y 4/3 olive Silty Clay, stiff, slightly plastic Lenses of 10YR 4/4 dark yellowish brown Silty Clay below 3.5'		CL				
5					100%	Dry		Sample collected BHGLSWMU05006-02
6			597					End of boring
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By: ESN-South
Drill Method: DPT
Drilling Equipment: SP4

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2"
Total Depth Drilled: 6'
Sheet. 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU05007

Project No: EEG001-01B062
Project: WAA Phase III RFI
Client: AFCEE
Location: SWMU 5
Northing: 6967924.499

Date: 06/26/01
Geologist: M. Johnston
Ground Surface Elevation: 602.892
Easting: 2297789 122

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
1		*Silty Clay* 10YR 4/4 dark yellowish brown silty clay with grass and roots, 5% gravel (2-10mm)	602	CL	100%	Dry		No odor, PID=0 0ppm
2		*Silty Clay with Sand* 7 5YR 4/6 strong brown silty clay w/sand, stiff, no odor, dry	600	CL				
3		*Silty Clay* 7 5YR 3/1 v dk gray silty clay, stiff, dry, no odor	600	CL	100%	Damp		No odor, PID=0.0ppm
4		*Sandy Clay* Mottled 7 5YR 6/8 reddish yellow w/ 3/1 dk gray sandy clay, stiff, damp		CL				
5		Bottom foot color changes to mottled 7 5YR 4/6 strong brown and 6/1 gray sandy clay			100%	Damp		Collected BEEGSWMU05007-02 from 4.75-5.25' at 1525
6			597					End boring at 6'
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By: ESN-South
Drill Method: DPT
Drilling Equipment: SP4

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size. 2"
Total Depth Drilled: 6'
Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU06001

Project No: AFC001-15BBC
Project: WAA Phase I RFI
Client: AFCEE
Location: SWMU 06
Northing: 6968000.00

Date: 06/04/99
Geologist: P Daruwala
Ground Surface Elevation: 602 59
Easting: 2297797.54

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
1–2		*Silty Clay* 7 5YR 3/3 dk brown silty clay, v stiff, low plasticity	601	CL	70%	Wet*		*Wet soil believed to be from concrete cover
2–4		*Silty Clay and Sandy Silt* 10YR 5/4 yellowish brown silty clay, v stiff, low plasticity, bottom ft 10YR 5/3 brown sandy silt w/lenses of 10YR 7/8 yellow and coarse sand (10%)	599	CL/ML	100%	Moist*		
4–6		*Silty Sand* Same as above; bottom ft lenses of 10YR 7/8 yellow and 10YR 5/3 brown silty sand w/coarse sand (15%)	597	SM	100%	Moist*		
6–8		*Sand with Silt and Gravel* 10YR 5/6 yellowish brown silty sand w/25% coarse sand, transition to 10YR 6/3 pale brown fine sand w/gravel and coarse sand (40%)	595	SW	100%	Moist		
8–10		*Sand and Gravel* Top ft 10YR 6/3 pale brown fine sand; coarse sand and gravel around 9', 7.5YR 5/8 strong brown fine to med sand in the bottom ft	593	SP	100%	Moist		
10–12		*Sand and Gravel* Same as above, water in the split spoon	591	SP	100%	Wet		Water table at 10'
12–14		*Sand and Gravel* Same as above; 70% gravel and shells	589	SP	100%	Wet		
14–16								

Drilled By: TEG
Drill Method: DPT
Drilling Equipment. Strataprobe

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Hole Size: 2"
Total Depth Drilled: 14'
Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU06002

Project No: AFC001-15BBC
Project: WAA Phase I RFI
Client: AFCEE
Location: SWMU 06
Northing: 6967983.77

Date: 06/04/99
Geologist: P Daruwala
Ground Surface Elevation: 601.96
Easting: 2297783 96

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
1		***Sandy Silt*** Top 6" topsoil, next ft 10YR 4/4 reddish brown sandy silt, non-plastic, med stiff, bottom 6" 10YR 3/2 v dk gray sandy silt, non-plastic, med stiff	600	ML	100%	Dry		
2		***Sandy Silt*** Same as above	598	ML	60%	Dry		
3								
4		***Sandy Silt*** 10YR 6/2 lt brownish gray sandy silt marbled w/10YR 5/8 silty sand, hard, non-plastic	596	ML	100%	Dry		
5								
6		***Silty Sand*** 10YR 6/2 lt brownish gray sandy silt marbled w/10YR 5/8 silty sand mixed w/cobbles and coarse sand, at 7 5' 10YR 6/2 lt brownish gray and 10YR 6/8 brownish yellow soft, fine silty sand	594	SM	100%	Dry		
7								
8		***Sand and Gravel*** Same as above transitioning to 10YR 6/2 lt brownish gray fine sand w/3% gravel, and then to 7.5YR 5/8 fine sand mixed w/med-coarse sand (50%)	592	SP	100%	Moist		
9								
10		***Sand and Gravel*** Same as above, saturated	590	SP	100%	Wet		Water table at 10.2'
11								
12								
13								
14								
15								
16								

Drilled By: TEG
Drill Method: DPT
Drilling Equipment: Strataprobe

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Hole Size: 2"
Total Depth Drilled: 12'
Sheet. 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU06003

Project No: AFC001-15BBC
Project: WAA Phase II RFI
Client: AFCEE
Location: SWMU 6
Northing: 6967987.659

Date: 4/24/00
Geologist: M Kidwell
Ground Surface Elevation: 601.903
Easting: 2297774.915

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
1		*Sandy Silt* 10YR 3/4 dark yellowish brown Sandy Silt	601	ML	100%	Dry		
2		*Silty Clay* 10YR 3/2 very dark grayish brown Silty Clay, soft, very uniform	599	CL	100%	Dry		No odor
3		*Sandy Clay* Grades from above lithology to 10YR 4/3 brown Sandy Clay mixed with 10% 10YR 6/8 brownish yellow Sand	598	CL				
4		10YR 7/2 light gray fine Sand (5%) from 3 5 - 4.0'						
5		*Clayey Sand* Above lithology transitioning to fine Clayey Sand	596	SC	100%	Dry		No odor Sample collected BHGLSWMU06003-02
6								End of boring
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By: ESN-South
Drill Method: DPT
Drilling Equipment. SP4

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Hole Size: 2"
Total Depth Drilled. 6'
Sheet. 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU06004

Project No: AFC001-15BBC
Project: WAA Phase II RFI
Client: AFCEE
Location: SWMU 6
Northing: 6967968 756

Date: 4/24/00
Geologist: M. Kidwell
Ground Surface Elevation: 601 818
Easting: 2297779 676

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
1		*Sandy Silt* 10YR 4/4 dark yellowish brown Sandy Silt, uniform	601	ML	100%	Dry		
2		*Silty Clay* Grades from above lithology to 10YR 3/2 very dark grayish brown Silty Clay, stiff, low plasticity	600	CL				
3		*Sandy Clay* 10YR 4/4 dark yellowish brown Sandy Clay, stiff, low plasticity	599	CL	100%	Dry		PID = 12.0 ppm
4		*Sandy Clay* Grades from above lithology to 10YR 5/4 yellowish brown Sandy Clay with lenses of 10YR 6/8 brownish yellow and 10YR 6/2 light brownish gray fine Sand		CL				
5			597		100%	Dry		PID = 355 0 ppm Sample collected BHGLSWMU06004-02
6		*Clayey Sand* 10YR 5/2 grayish brown Clayey Sand, well sorted with lenses of 10YR 6/8 brownish yellow fine Sand (10%)	596	SC				End of boring
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By: ESN-South
Drill Method: DPT
Drilling Equipment: SP4

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Hole Size: 2"
Total Depth Drilled: 6'
Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BEEGSWMU06005

Project No: EEG001-01B062
Project: WAA Phase III RFI
Client: AFCEE
Location: SWMU 6
Northing: 6968006.546

Date: 06/26/01
Geologist: M. Johnston
Ground Surface Elevation: 602.21
Easting: 2297768.72

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
		Fill Asphalt, concrete, and gravel fill	602					
1		*Silty Sand* Mottled 7.5YR 3/1 v dk gray and 5/8 strong brown silty sand, dry, no odor	601	SM	100%	Dry		
2		*Silty Clay* 10YR 3/1 v dk gray silty clay, dry, stiff, med plastic, no odor	599	CL	100%	Dry		
3		*Sandy Clay* Mottled 7 5YR 5/6 strong brown, 3/1 v dk gray, and 10YR 6/2 lt brownish gray sandy clay, damp, med stiff, no odor Color change at 5' to mottled 10YR 6/2 lt brownish gray and 7 5YR 5/6 strong brown						
4				CL				
5					100%	Dry		Collected DUP01 and BEEGSWMU06005-02 from 4.5-5.5' at 1445 End boring at 6'
6			596					
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By: ESN-South
Drill Method: DPT
Drilling Equipment SP4

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Hole Size: 2"
Total Depth Drilled: 6'
Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BEEGSWMU06006

Project No: EEG001-01B062
Project: WAA Phase III RFI
Client: AFCEE
Location: SWMU 6
Northing: 6967988 93

Date: 06/26/01
Geologist: M. Johnston
Ground Surface Elevation: 602 64
Easting: 2297755 24

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
		Silty Clay with Gravel 10YR 4/4 dk yellowish brown silty clay w/10% gravel (2-10mm subang-subroun), poorly sorted	602	CL				
1			601	CL	100%	Dry		
2		*Silty Clay* Mottled 10YR 4/4 dk yellowish brown and 3/1 dk gray silty clay with 10% calcium nodules and limestone gravel Color change to7 5YR 5/6 strong brown, 6/1 dk gray, and 8/1 white at 1.5'		CL				
3			599		100%	Dry		
4		*Silty Clay with Gravel* 10YR 3/1 v dk gray silty clay w/increasing gravel (red chert,qtz) from 3-15%, sub-round, dry, stiff, med plastic		CL				
5					100%	Damp		Collected DUP01 and BEEGSWMU06006-02 from 4.75-5 25' at 1510
6			597					End boring at 6'
		Sandy Clay Mottled 7.5YR 5/8 strong brown 6/1 gray sandy clay, stiff, damp, no odor.						
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By: ESN-South
Drill Method: DPT
Drilling Equipment: SP4

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Hole Size: 2"
Total Depth Drilled: 6'
Sheet 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU12001

Project No: AFC001-15BBC
Project: WAA Phase I RFI
Client: AFCEE
Location: SWMU 12
Northing: 6967764.590

Date: 06/08/99
Geologist: M Kidwell
Ground Surface Elevation: 606 78
Easting: 2297412.060

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
1–2		*Silty Clay* Top few inches grass and topsoil w/gravel, 10YR 3/3 dk brown silty clay, medium plastic, v stiff	604	CL	100%	Dry		
2–4		*Clayey Silt* Same as above, transition to clayey silt, same color as above, non-plastic, w/small fine sand lenses and gravel (5%)	602	ML	100%	Dry		Slight petroleum odor
4–6		*Clayey Silt* Same as above, but damp soil w/strong fuel-like odor and a sheen on the soil, wood debris at 6'	600	ML	100%	Damp		Strong odor and sheen Wood debris at 6'
6–8		*Silty Sand* Same as above, transition to 5YR 4/6 yellowish red fine silty sand, non-plastic, v stiff, trans to 5YR 4/2 dk reddish gray fine sand	598	SM	100%	Damp		No odor
8–10		*Sandy Silt and Clay* Same as above, wet, transition to 10YR 2/2 sandy silt, non-plastic, stiff, trans to 10YR 5/1 gray sandy clay w/coarse sand (5%), v stiff, slightly plastic, dry	596	ML/CL	100%	Wet Dry		
10–12		*Sand with Clay* Same as above, transition to 5Y 5/2 olive gray sandy clay w/coarse gravel (5%); trans to 5Y 5/2 olive gray fine sand marbled w/5Y 5/8 olive sand and 5% coarse sand	594	SM	100%	Damp		
12–14		*Sand and Gravel* 10YR 6/2 lt brownish gray fine sand w/coarse sand and gravel (50%), trans to 10YR 4/3 brown coarse sand and gravel, moist, wet at 14 5'		SP	100%	Damp		
14–16			590	SP	100%	Wet		Water table at 14.5'

Drilled By: TEG
Drill Method: DPT
Drilling Equipment: Strataprobe

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Hole Size: 2"
Total Depth Drilled: 16'
Sheet. 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU12002

Project No: AFC001-15BBC
Project: WAA Phase I RFI
Client: AFCEE
Location: SWMU 12
Northing: 6967749.270

Date: 06/08/99
Geologist: M Kidwell
Ground Surface Elevation: 607.03
Easting: 2297424 250

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
1–2		*Silty Clay and Gravel* Top few inches grass and topsoil, 7.5YR 2 5/1 black silt w/lenses of 5/8 strong brown sand, layer of gravel and cobbles; then 7.5YR 4/1 dk gray silty clay, v stiff, slight plasticity	605	CL	85%	Dry		
3–4		*No Recovery*	603		0%			
5–6		*Silty Clay* 10YR 3/3 dk brown silty clay, v stiff, med plasticity, trans to 10YR 2/2 v dk brown clayey silt w/lenses of 10YR 8/1 white clay	601	CL	100%	Dry		
7–8		*Silty Sand* 7 5YR 4/6 strong brown sandy silt, uniform color and texture, transition to 7 5YR 3/2 dk brown silty sand (fine)	599	SM	100%	Moist		
9–10		*Sandy Clay and Silt* 7 5YR strong brown sandy clay, med plasticity, stiff, marbled w/7.5YR 4/1 dk gray silty clay, trans to 7 5YR 3/1 v dk gray clayey silt, slightly plastic, v stiff	597	CL/ML	100%	Dry		
11–12		*Silty Sand* Same as above, transition to 7.5YR 2 5/1 black silty sand w/coarse sand (10%), bottom 6" 10YR 6/3 fine sand	595	SM	100%	Dry		
13–14		*Sand* Same as above, at 13' 2 5YR 4/4 fine sand, bottom 6" color change to 2 gley 5/5BG greenish gray	593	SW	100%	Moist		
15–16		*Sand* Same as above, transition to 10YR 5/4 fine sand, wet, uniform color and texture	591	SW	100%	Wet		Water table at 14 5'

Drilled By: TEG
Drill Method: DPT
Drilling Equipment Strataprobe

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Hole Size 2"
Total Depth Drilled. 16'
Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU12003

Project No: AFC001-15BBC
Project: WAA Phase I RFI
Client: AFCEE
Location: SWMU 12
Northing: 6967733 380

Date: 06/08/99
Geologist: M Kidwell
Ground Surface Elevation: 607.66
Easting: 2297442.140

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
1–2		*Silty Clay and Sand* Top few inches grass and gravel, 10YR 3/2 silty clay, stiff, slightly plastic, w/lenses of 7 5YR 4/6 strong brown sand, transitioning to silty sand, non-plasticity, slightly stiff	606	CL	100%	Dry		
3–4		*Silty Clay* 7 5YR 4/6 strong brown silty sand transitioning to 10YR 3/3 dk brown silty clay, slightly plastic, v stiff	604	CL	100%	Dry		
5–6		*Silty Sand* Same as above, bottom 6" 10YR 3/6 dk yellowish brown fine silty sand, non-plastic, stiff	602	SM	100%	Dry Moist		
7–8		*Silty Sand* Same as above, transition to 7 5YR 4/6 strong brown silty sand w/5% gravel, trans to 5YR 4/6 yellowish red fine sand, hard, uniform color/texture	600	SM	100%	Moist		
9–10		*Sand and Sandy Clay* Same as above, transition to 7 5YR 4/1 fine sand, trans to 10YR 4/3 sandy clay, stiff, slightly plastic; trans to 10YR 3/1 silty sand, non-plastic, stiff	598	SM	100%	Moist		
11–12		*Sandy Clay* Same as above transitioning to 10YR 3/3 dk brown sandy clay, slightly plastic, stiff, bottom 6" 10YR 8/1 sandy clay, stiff, slightly plastic, flaky	596	SM	100%	Dry		
13–14		*Sand* Top ft 10YR 3/2 v dk grayish brown silty sand, at 13' 5Y 4/3 olive fine sand w/coarse sand and gravel (10%), bottom 6" 10YR 6/2 fine sand, moist	594	SP	100%	Damp		
15–16		*Sand* Same as above, at 15' 2 5Y 5/3 lt olive brown fine sand, uniform color/texture	592	SW	100%	Wet		Water table at 14.5'

Drilled By: TEG
Drill Method. DPT
Drilling Equipment: Strataprobe

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Hole Size. 2"
Total Depth Drilled: 16'
Sheet: 1 of 1

HydroGeoLogic INC.

Borehole ID: BHGLSWMU12004

Project No: AFC001-15BBC
Project: WAA Phase II RFI
Client: AFCEE
Location: SWMU 12
Northing: 6967773.915

Date: 4/28/00
Geologist: Melanie Kidwell
Ground Surface Elevation: 606.98
Easting: 2297398.068

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
		Concrete	606					
1		*No recovery*	605		0	Dry		
2		*Silty Clay* 7.5YR 3/1 Very dark grey Silty Clay, very stiff, slightly plastic						
3					100%	Dry		Slight petroleum odor
4				CL				
5			602			Moist		Heavy petroleum odor/sheen
6		*Silty Sand* 7.5YR 4/6 Strong brown Silty Sand, soft, asphalt-like crystals from 6-7'		SM				
7			600			Dry		Heavy petroleum odor
8		*Silty Clay* 7 5YR 4/3 Silty Clay, very stiff, non-plastic						
9				CL				
10								Sample collected BHGLSWMU12004-03
11			596					End of boring
12								
13								
14								
15								
16								

Drilled By: ESN-South
Drill Method. DPT
Drilling Equipment: SP4

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Hole Size: 2"
Total Depth Drilled: 11'
Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU12005

Project No: AFC001-15BBC
Project: WAA Phase II RFI
Client: AFCEE
Location: SWMU 12
Northing: 6967698.117

Date: 4/28/00
Geologist: Melanie Kidwell
Ground Surface Elevation: 608 15
Easting: 2297477.152

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
		Concrete	607		50%	Dry		
1		*Sand* 7.5YR 5/8 Strong brown fine Sand, well sorted	605	SW	100%	Dry		Sample collected BHGLSWMU12005-02
2								
3		*Silty Clay* 7 5YR 4/2 Brown Silty Clay, stiff, medium plastic	604	CL	100%	Dry		
4								
5		*Clay* 7 5YR 6/2 Pinkish grey Clay, stiff, non-plastic	603	CL				Sample collected BHGLSWMU12005-02
6		*Silty Clay* 7.5YR 4/1 Dark grey Silty Clay, stiff, medium plastic, uniform	602	CL				End of boring
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By. ESN-South
Drill Method: DPT
Drilling Equipment. SP4

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Hole Size· 2"
Total Depth Drilled: 6'
Sheet. 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU12006

Project No: AFC001-15BBC
Project: WAA Phase II RFI
Client: AFCEE
Location: SWMU 12
Northing: 6967744.893

Date: 4/28/00
Geologist: Melanie Kidwell
Ground Surface Elevation: 607.68
Easting: 2297399.097

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
1		*Silty Clay* 7 5YR 4/2 Brown Silty Clay, medium stiff, uniform, medium plastic	606	CL	100%	Dry		
2		*Silty Clay* 7 5YR 4/1 Dark grey Silty Clay, stiff, medium plastic						
3						Dry		
4				CL				
5			602			Dry		Sample collected BHGLSWMU12006-02
6		*Clayey Sand* 7.5YR 5/6 Strong brown Clayey Sand, soft	601	SC				
7		*Silty Clay* 7 5YR 4/1 Dark grey Silty Clay, stiff, slightly plastic	600	CL		Moist		
8		*Silty Clay* 7 5YR 5/1 Grey Silty Clay, very stiff, non-plastic						
9				CL	100%	Dry		
10								Sample collected BHGLSWMU12006-03
11			597					End of boring
12								
13								
14								
15								
16								

Drilled By: ESN-South
Drill Method. DPT
Drilling Equipment: SP4

HydroGeoLogic, Inc
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Hole Size: 2"
Total Depth Drilled: 11'
Sheet 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU12007

Project No: AFC001-15BBC
Project: WAA Phase II RFI
Client: AFCEE
Location: SWMU 12
Northing: 6967707 123

Date: 4/28/00
Geologist: Melanie Kidwell
Ground Surface Elevation: 608.41
Easting: 2297451.246

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
		Concrete	607					
1		*Sand* 7 5YR 5/6 Strong brown fine Sand, well sorted, soft			50%	Dry		Sample collected BHGLSWMU12007-01
2				SW				
			605		50%	Dry		
3		*Silty Clay* 7 5YR 4/1 Dark grey Silty Clay, stiff, medium plastic, uniform color/texture						
4				CL				
			603		100%	Dry		Sample collected BHGLSWMU12007-02
5		*Clayey Silt* 7 5YR 3/1 Very dark grey Clayey Silt, stiff, non-plastic						
6				ML				
			601		80%	Moist		
7		*Sandy Silt* 7 5YR 4/2 Brown Sandy Silt, soft, non-plastic, well sorted						
8								
9				SM	100%	Dry		
10			598					Sample collected BHGLSWMU12007-03
		Sandy Silt 7 5YR 3/1 Dark grey Silty Clay with some wood fibers, stiff	597	SM				End of boring
11								
12								
13								
14								
15								
16								

Drilled By: ESN-South
Drill Method: DPT
Drilling Equipment: SP4

HydroGeoLogic, Inc
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Herndon, VA 20170
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Hole Size: 2"
Total Depth Drilled: 10'
Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BEEGSWMU12008

Project No: EEG001-01B062
Project: WAA Phase III RFI
Client: AFCEE
Location: SWMU 12
Northing: 6967728 07

Date: 6/26/01
Geologist: M Johnston
Ground Surface Elevation: 608 35
Easting: 2297372 24

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
		Concrete	607					
1		*Clay* 10YR 2/2 v dark brown clay, medium plasticity, medium stiff, increasing moisture, softness, and silt with depth			100%	Damp		
2			605	CL	100%	Moist		
3		*Silty Clay* 10YR 3/2 dk grayish brown silty clay, soft, moist						
4			604					
5		*Clay with Silt and Sand* 10YR 2/2 v dk gray clay with silt and sand, dry	603	CL	100%	Dry		Sample collected BEEGSWMU12008-02 4.75-5 25' at 1010
6		*Sandy Clay* 5YR 4/6 yellowish red sandy clay, dry/damp, med stiff; bottom 2" v dk gray, dry	602	CL				End of boring
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By: ESN-South
Drill Method: DPT
Drilling Equipment. SP10

HydroGeoLogic, Inc
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2"
Total Depth Drilled: 6'
Sheet. 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BEEGSWMU12009

Project No: EEG001-01B062
Project: WAA Phase III RFI
Client: AFCEE
Location: SWMU 12
Northing: 6967755.84

Date: 6/26/01
Geologist: M Johnston
Ground Surface Elevation: 607.98
Easting: 2297356 51

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
		Concrete. Top 2" below the 10" of concrete is gravel/sand fill	607		100%	Damp		
1		*Clay* 10YR 4/1 dark gray clay, damp, med stiff, med plastic, 1% small gravel						
2								
3			604	CL	100%	Moist		
4		*Sandy Clay* 10YR 5/2 grayish brown sandy clay, soft, moist, strong diesel fuel odor	603					
5		*Sandy Clay* 5YR 4/6 yellowish red sandy clay, med soft, damp, slight odor	602	CL	100%	Dry		Sample collected BEEGSWMU12009-02 4.75-5.25' at 1045
6		*Sandy Clay* 10YR 3/1 v dk gray sandy clay, stiff, dry, no odor	602	CL				End of boring
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By. ESN-South
Drill Method: DPT
Drilling Equipment: SP10

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Hole Size: 2"
Total Depth Drilled. 6'
Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BEEGSWMU12010

Project No: EEG001-01B062
Project: WAA Phase III RFI
Client: AFCEE
Location: SWMU 12
Northing: 6967784 81

Date: 6/26/01
Geologist: M Johnston
Ground Surface Elevation: 607.34
Easting: 2297379.09

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
		Concrete Top 2" below the 10" of concrete is gravel fill	606					
1		***Clay*** 10YR 3/1 dark gray clay, damp, med stiff, med plastic, moderate/strong fuel odor, increasing sand with depth			100%	Damp		
2				CL				
3			604		100%	Moist		
4		***Sandy Clay*** 10YR 5/2 grayish brown sandy clay, soft, moist, strong diesel fuel odor	603	CL				
5		***Sandy Clay*** 7.5YR 4/6 strong brown sandy clay, moderate fuel odor, bottom 2" 10YR 3/1 v dk gray sandy clay, stiff, dry, slight odor			100%	Dry		Sample collected BEEGSWMU12010-02 4.75-5.25' at 1115
6			601	CL				End of boring
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By: ESN-South
Drill Method. DPT
Drilling Equipment: SP10

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Hole Size· 2"
Total Depth Drilled. 6'
Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BEEGSWMU12011

Project No: EEG001-01B062
Project: WAA Phase III RFI
Client: AFCEE
Location: SWMU 12
Northing: 6967781.21

Date: 6/26/01
Geologist: M Johnston
Ground Surface Elevation: 606.37
Easting: 2297429.84

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
		Asphalt Asphalt/gravel fill	607					
1		*Clay* Mottled 10YR 3/1 v dk gray with 10YR 3/3 dk brown clay, med stiff, med plastic, no odor	606	CL	100%	Damp		No PID detections
2			605					
3		*Sandy Clay* 10YR 4/1 dk gray sandy clay, no odor, med stiff, damp, from 2.25-2 5 moderate fuel odor		CL				
4		*Sandy Clay* 10YR 3/1 v dk gray sandy clay mottled with 5/1 gray, stiff, dry, no odor, slight odor from 3 5-4.5'	603		100%	Damp		Sample collected BEEGSWMU12011-02 4 75-5 25' at 1150
5								
6		*Sandy Clay* 7.5YR 4/6 strong brown sandy clay, damp, med stiff, slight odor;layer of color 10YR 4/3 brown from 5 25-5 75', color change again to 7 5YR 3/4 dk brown sandy clay, damp-moist		CL				End of boring
7			600		100%	Damp		
8		*Sandy Clay* 10YR 5/1 gray sandy clay, stiff, slight odor, a piece of burnt wood at 8' and a color change to 10YR 4/3 sandy clay, damp, med stiff		CL				
9			598					
10		*Sandy Clay* Mottled 10YR 5/1 gray and 2/2 gray dk brown sandy clay, damp, slight odor, burnt wood from 10 5-11'		CL	100%	Dry		Sample collected MS/MS BEEGSWMU12011-03 9.75-11 5' at 1215
11			596					
12		*Sandy Silty Clay* 1 gley 7/1 lt greenish gray and 1 gley 6/1 gray sandy silty clay w/10% rounded gravel, poorly sorted, slight odor	595	CL				
13								
14								
15								
16								

Drilled By: ESN-South
Drill Method: DPT
Drilling Equipment: SP10

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Hole Size 2"
Total Depth Drilled: 12'
Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU31001

Project No: AFC001-15BBC
Project: WAA Phase I RFI
Client: AFCEE
Location: SWMU 31
Northing: 6963572.040

Date: 06/07/99
Geologist: M Kidwell
Ground Surface Elevation: 605 77
Easting: 2298537.020

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
1–2		**Silty Sand with Gravel** Top few inches topsoil and grass; 10YR 3/4 dk yellowish brown silty sand w/gravel, non-plastic, soft, transition to 10YR 3/4 large cobbles and silty sand	604	SP	80%	Dry		
2–4		**Sandy Clay with Gravel** Same as above, transitioning to 10YR 3/4 stiff sandy clay, slightly plastic, w/25% gravel and fine sand	602	CL	100%	Dry		
4–6		**Sand and Gravel** 10YR 5/4 yellowish brown fine sand w/gravel and cobbles, transitioning to gravel and cobbles, then back to fine sand	600	SP	100%	Dry		
6–8		**Sand with Gravel** 10YR 5/4 yellowish brown fine sand w/gravel and cobbles (landfill debris)	598	SP	30%	Dry		Landfill debris
8–10		**Sand with Gravel** Same as above	596	SP	40%	Moist		
10–12		**Landfill/Sand with Gravel** Concrete rubble and gravel, transitioning to 10YR 5/6 yellowish brown fine sand, and then to fine silty sand w/20% gravel	594	SP	100%	Moist		
12–14		**Sand, Gravel, and Silty Sand** Same as above, transitioning to fine gravel and sand, and then to 10YR 6/6 brownish yellow silty sand, stiff, non-plastic; uniform color and texture	592	SP	100%	Dry		
14–16			590	CL	100%	Dry		

Drilled By: TEG
Drill Method:
Drilling Equipment.

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Hole Size:
Total Depth Drilled
Sheet: 1 of 2

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU31001

Project No: AFC001-15BBC
Project: WAA Phase I RFI
Client: AFCEE
Location: SWMU 31
Northing: 6963572 040

Date: 06/07/99
Geologist: M Kidwell
Ground Surface Elevation: 605.77
Easting: 2298537 020

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
17		**Silt, Sand, Clay, and Gravel** Same as above, transitioning to gravel and cobbles, and then to 10YR 6/6 brownish yellow silty clay, stiff, slightly plastic	588	SP	100%	Moist		
18		**Sand with Gravel** Same as above w/cobbles and gravel; transition to 10YR 5/6 yellowish brown fine sand w/lenses of gravel and cobbles	586	SP	100%	Moist		
19								
20								Water table at 20'
21		**Sand and Gravel** Same as above w/lenses of 10YR 4/2 dk grayish brown silty sand w/large gravel and cobbles; transition to 10YR 6/8 brownish yellow sand w/10YR 8/1 white clayey sand and gravel and cobbles (50%)	584	GP	100%	Wet		
22								
23		**Gravel with Sand** 10YR 6/8 brownish yellow fine sand w/gravel and cobbles (75%)						
24								
25								
26								
27								
28								
29								
30								
31								
32								

Drilled By: TEG
Drill Method.
Drilling Equipment

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Hole Size
Total Depth Drilled.
Sheet: 2 of 2

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU31002

Project No: AFC001-15BBC
Project: WAA Phase I RFI
Client: AFCEE
Location: SWMU 31
Northing: 6963564.570

Date: 06/08/99
Geologist: M Kidwell
Ground Surface Elevation: 605 95
Easting: 2298513 360

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
1		**Sandy Silt with Gravel** Top few inches gravel and topsoil, 10YR 4/3 brown sandy silt w/coarse sand and gravel (30%), non-plastic, stiff	604	FILL	80%	Dry		
2		**Landfill** Landfill rubble, cobbles (concrete) w/some 10YR 4/3 brown sandy silt	602	FILL	30%	Dry		Landfill material from 2' to 10'
4		**Landfill** Concrete rubble w/10YR 4/3 brown fine sand and coarse gravel	600	FILL	40%	Dry		
6		**Landfill** Landfill material, glass, concrete, mixed w/10YR 4/3 brown fine sand, wet	598	FILL	55%	Wet		
8		**Landfill** Landfill material, concrete and sand, transitioning to 10YR 6/6 brownish yellow sandy silt, stiff, non-plastic, uniform color and texture, moist	596	FILL	60%	Moist		
10		**Silty Sand** 10YR 6/6 brownish yellow silty sand, uniform color and texture, stiff, non-plastic	594	SM	90%	Dry		
12		**Silty Sand with Gravel** Same as above, transitioning to 10YR 7/6 yellow silty sand w/gravel (15%)	592	SP	100%	Dry		
14		**Silty Sand with Gravel** Same as above	590	SP	100%	Moist		
16								

Drilled By. TEG
Drill Method·
Drilling Equipment

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Hole Size:
Total Depth Drilled:
Sheet· 1 of 2

HYDRO GeoLogic INC

Borehole ID: BHGLSWMU31002

Project No: AFC001-15BBC
Project: WAA Phase I RFI
Client: AFCEE
Location: SWMU 31
Northing: 6963564.570

Date: 06/08/99
Geologist: M Kidwell
Ground Surface Elevation: 605.95
Easting: 2298513.360

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
17		**Sand with Gravel** Same as above; transition to 10YR 6/6 brownish yellow fine sand, w/ 50% coarse sand and gravel towards the bottom	588	SP	100%	Moist		
18								Water table at 18'
19		**Sand and Gravel** Coarse sand and gravel, some cobbles and fine sand, wet	586	SP	100%	Wet		
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								

Drilled By: TEG
Drill Method:
Drilling Equipment

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Hole Size.
Total Depth Drilled:
Sheet 2 of 2

HYDRO GeoLogic INC

Borehole ID: BHGLSWMU31003

Project No: AFC001-15BBC
Project: WAA Phase II RFI
Client: AFCEE
Location: SWMU 31
Northing: 6963562.505

Date: 4/25/00
Geologist: M. Kidwell
Ground Surface Elevation: 605.93
Easting: 2298510 792

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
		Surface Materials Grass, gravel, and asphalt	605					Sample collected BHGLSWMU31003-01
1		**Silty Clay** 10YR 5/6 yellowish brown Silty Clay, stiff, medium plastic marbled with 10YR 2/1 black Silty Clay	604	CL				
2								End of boring
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By ESN-South
Drill Method: DPT
Drilling Equipment: SP4

HydroGeoLogic, Inc.
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Hole Size 2"
Total Depth Drilled. 2'
Sheet. 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU31004

Project No: AFC001-15BBC
Project: WAA Phase II RFI
Client: AFCEE
Location: SWMU 31
Northing: 6963544 615

Date: 4/25/00
Geologist: M. Kidwell
Ground Surface Elevation: 604 99
Easting: 2298527.036

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
		Surface Materials Grass, gravel, and asphalt	604					Sample collected BHGLSWMU31004-01
1		**Silty Clay** 10YR 5/6 yellowish brown Silty Clay, stiff, medium plastic marbled with 10YR 2/1 black Silty Clay	603	CL		dry		
2								End of boring
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By: ESN-South
Drill Method:
Drilling Equipment:

HydroGeoLogic, Inc.
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Hole Size
Total Depth Drilled.
Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU31005

Project No: AFC001-15BBC
Project: WAA Phase II RFI
Client: AFCEE
Location: SWMU 31
Northing: 6963577 233

Date: 4/25/00
Geologist: M Kidwell
Ground Surface Elevation: 605 09
Easting: 2298570.103

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
		Surface Materials Grass, gravel, and asphalt	605					
1		**Silty Clay** 10YR 5/6 yellowish brown Silty Clay, stiff, medium plastic marbled with 10YR 2/1 black Silty Clay	603	CL	100%			Sample collected BHGLSWMU31005-01
2								End of boring
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By. ESN-South
Drill Method· DPT
Drilling Equipment: SP4

HydroGeoLogic, Inc.
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Hole Size: 2"
Total Depth Drilled 2'
Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU31006

Project No: AFC001-15BBC
Project: WAA Phase II RFI
Client: AFCEE
Location: SWMU 31
Northing: 6963607.711

Date: 4/25/00
Geologist: M. Kidwell
Ground Surface Elevation: 606.20
Easting: 2298556 218

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
		Surface Materials Grass, gravel, and asphalt	606					
1		**Silty Clay** 10YR 5/6 yellowish brown Silty Clay, stiff, medium plastic marbled with 10YR 2/1 black Silty Clay	604	CL	100%			Sample collected BHGLSWMU31006-01
2								End of boring
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By: ESN-South
Drill Method DPT
Drilling Equipment. SP4

HydroGeoLogic, Inc.
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Hole Size 2"
Total Depth Drilled: 2'
Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU61001

Project No: AFC001-15BBC
Project: WAA Phase I RFI
Client: AFCEE
Location: SWMU 61
Northing: 6963856 580

Date: 06/03/99
Geologist: M Kidwell
Ground Surface Elevation: 571.61
Easting: 2301000 850

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
1–2		*Silty Clay.* Top ft fill material and gravel, bottom ft 10YR 3/1 dk reddish gray silty clay, low plasticity, stiff	570	CL	75%	Dry		Drilled on top of a stain
2–4		*Clayey Silt with Sand* Same as above, transitioning to 7 5YR 6/4 lt brown clayey silt, v stiff, slight plasticity w/medium sand (25%)	568	ML	80%	Dry		
4–6		*Silty Sand* 7 5YR 6/4 lt brown silt w/med and coarse sand (25%), transitioning to silty sand w/med sand (25%)	566	ML/SP	90%	Dry		
6–8		*Silty Sand and Gravel* Top ft 7 5YR 6/4 silty sand transitioning to 10YR 6/3 pale brown silty sand w/large cobbles and gravel (50%) and then to a 10YR 7/3 v pale brown fine sand	564	SP	100%	Dry		
8–10		*Sand* 10YR 6/8 brownish yellow fine sand, medium and coarse sand interspersed, water in the shoe	562	SP	95%	Wet		Water table at 10'
10–12		*Sand* Medium and coarse sand and shell fragments mixed w/fine sand, wet	560	SP	100%	Wet		
12–16								

Drilled By. TEG
Drill Method
Drilling Equipment.

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Hole Size:
Total Depth Drilled:
Sheet. 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU61002

Project No: AFC001-15BBC
Project: WAA Phase I RFI
Client: AFCEE
Location: SWMU 61
Northing: 6963861.200

Date: 06/03/99
Geologist: M Kidwell
Ground Surface Elevation: 571 59
Easting: 2301016 500

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
1–2		*Clayey Silt* Top ft fill material, gravel, and asphalt, bottom ft 10YR 3/4 dk yellowish brown clayey silt, slight plasticity, med stiff	570	ML	90%	Dry		
2–4		*Silty Sand* Same as above, transitioning to 7 5YR 6/3 pale brown silty sand w/5% coarse sand	568	SM	100%	Dry		
4–6		*Silty Sand* 10YR 6/4 lt brown silty sand w/coarse sand (5%)	566	SM	80%	Dry		
6–8		*Silty Sand* Top ft same as above, bottom ft transitioning to 7.5YR 8/3 pink fine sand w/3% shell fragments, uniform color and texture	564	SM	100%	Dry		
8–10		*Sand and Gravel* Same as above, then transitioning to fine sand and med-coarse sand and shell fragments, then coarse-med sand, gravel, and shell fragments	562	SP	75%	am Wet		Water table at 10'
10–16								

Drilled By. TEG
Drill Method
Drilling Equipment

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Hole Size
Total Depth Drilled.
Sheet. 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU61003

Project No: AFC001-15BBC
Project: WAA Phase I RFI
Client: AFCEE
Location: SWMU 61
Northing: 6963875 740

Date: 06/03/99
Geologist: M Kidwell
Ground Surface Elevation: 571 8
Easting: 2301024 180

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
1–2		*Silty Sand* Top ft gravel and asphalt, bottom ft 7.5YR 4/3 brown silty sand, non-plastic, fine grained	570	SM	70%	Dry		
2–4		*Silty Sand* 7 5YR 4/3 brown silty sand, same as above	568	SM	95%	Moist		
4–6		*Silty Sand* Same as above with a color change to 7 5YR 4/4 brown silty fine sand, uniform color and texture	566	SM	100%	Moist		
6–8		*Sand* Same as above, bottom ft 7 5YR 6/2 pinkish gray fine sand w/10% shell fragments and small lenses of 7 5YR 7/8 reddish yellow around the shells	564	SW	95%	Damp		
8–10		*Sand* Same as above, fine sand saturated at 9' then transitioning to med-coarse sand and shell fragments mixed w/fine sand	562	SP	100%	Wet		Water table at 9'
10–16								

Drilled By. TEG
Drill Method. DPT
Drilling Equipment. Strataprobe

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Hole Size 2"
Total Depth Drilled: 10'
Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU61004

Project No: AFC001-15BBC
Project: WAA Phase I RFI
Client: AFCEE
Location: SWMU 61
Northing: 6963891 890

Date: 06/03/99
Geologist: M Kidwell
Ground Surface Elevation: 571 74
Easting: 2301020.680

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
1–2		*Silty Sand* Top ft asphalt, sand, and gravel, bottom ft 7 5YR 4/3 brown silty sand, non-plastic, fine grained	570	SM	75%	Dry		
2–4		*Silty Sand* Same as above, uniform color/texture, increasing moisture to 4'	568	SM	100%	Moist		
4–6		*Silty Sand* Same as above w/change to 10YR 6/3 pale brown silty sand interspersed w/coarse sand and gravel (10% shell fragments) around 5 25'	566	SM	100%	Moist		
6–8		*Silty Sand with Gravel* Same as above w/20% coarse sand and cobbles	564	SP	100%	Moist		
8–10		*Sand and Gravel* Same as above (moist), lense of 2 5YR 7/3 pale yellow silty clay, very stiff, low plasticity at 9', then transitioning to large cobbles mixed w/gravel, coarse sand, and shell fragments (wet)	562	SP	100%	Moist Wet		Water table at 10'
10–16								

Drilled By TEG
Drill Method·
Drilling Equipment·

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Hole Size.
Total Depth Drilled.
Sheet. 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU61005

Project No: AFC001-15BBC
Project: WAA Phase II RFI
Client: AFCEE
Location: SWMU 61
Northing: 6963861 970

Date: 06/03/99
Geologist: M Kidwell
Ground Surface Elevation: 570 86
Easting: 2300971 500

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
1–2		***Silt with Clay and Sand*** Top 6" asphalt/gravel, 10YR 3/2 grayish brown clayey silt, stiff, slightly plastic, then transition to 10YR 5/3 brown sandy silt	569	ML	90%	Dry		
2–4		***Sandy Silt with Gravel*** 10YR 5/3 brown sandy silt interspersed w/coarse sand and gravel (25%)	567	ML	100%	Dry		
4–6		***Sandy Silt*** 10YR 5/3 brown fine sandy silt w/coarse sand (10%), lense of fine sand @5 5' then back to sandy silt	565	ML	100%	Dry		
6–8		***Sand*** 10YR 7/3 v pale brown fine sand w/shell fragments (3%), uniform color and texture	563	SW	100%	Moist		
8–10		***Sand and Gravel*** Same as above w/increasing dampness, transition to coarse sand/gravel and cobbles w/shell fragments at 10'	561	SP	100%	Damp		Water table at 10'
10–12		***Sand and Gravel*** Saturated 10YR 7/3 v pale brown fine sand, layer of coarse sand/gravel and shell fragments around 11', 5YR 5/8 yellowish red coarse sand and shells at 11 5', lg cobbles/gvl and coarse sand at base	559	SP	100%	Wet		
12–16								

Drilled By: TEG
Drill Method: DPT
Drilling Equipment Strataprobe

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size 2"
Total Depth Drilled: 12'
Sheet 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU61006

Project No: AFC001-15BBC
Project: WAA Phase II RFI
Client: AFCEE
Location: SWMU 61
Northing: 6963865 520

Date: 4/28/00
Geologist: Melanie Kidwell
Ground Surface Elevation: 571.18
Easting: 2300994 749

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
1		***Clayey Silt*** 10YR 4/4 Dark yellowish brown Clayey Silt, soft, non-plastic	570	ML	100%	Dry		Sample collected BHGLSWMU61006-01
2		***Sandy Silt*** 10YR 5/3 Brown Sandy Silt, soft, uniform texture/color		SM				
3					50%	Dry		
4			567					
5		***Sand*** 10YR 6/4 Light yellowish brown fine Sand, soft, well sorted		SW	100%	Dry		Sample collected BHGLSWMU61006-02
6			565					End of boring
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By. ESN-South
Drill Method: DPT
Drilling Equipment. SP4

HydroGeoLogic, Inc
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size 2"
Total Depth Drilled. 6'
Sheet. 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU61007

Project No: AFC001-15BBC
Project: WAA Phase II RFI
Client: AFCEE
Location: SWMU 61
Northing: 6963878 648

Date: 4/28/00
Geologist: Melanie Kidwell
Ground Surface Elevation: 571.20
Easting: 2301001 377

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
1		*Clayey Silt* 10YR 4/4 Dark yellowish brown Clayey Silt with first 6" asphalt, soft	570	ML	50%	Dry		Sample collected BHGLSWMU61007-01
2		*Sandy Silt* 10YR 5/3 Brown Sandy Silt, soft, well sorted		SM				
3					100%	Dry		
4			567					
5		*Sand* 10YR 7/3 Very pale brown fine Sand, soft, well sorted		SW	100%	Dry		Sample collected BHGLSWMU61007-02
6			565					End of boring
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By ESN-South
Drill Method
Drilling Equipment

HydroGeoLogic, Inc
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size:
Total Depth Drilled.
Sheet: 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU61008

Project No: AFC001-15BBC
Project: WAA Phase II RFI
Client: AFCEE
Location: SWMU 61
Northing: 6963897 592

Date: 4/28/00
Geologist: Melanie Kidwell
Ground Surface Elevation: 571.27
Easting: 2301002 455

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
		Asphalt and Gravel	570					
1		*Sandy Clay* 10YR 4/4 Dark yellowish brown Sandy Clay, medium stiff, slightly plastic	569	SC	100%	Dry		Sample collected BHGLSWMU61008-01
2		*Sand* 10YR 4/4 Dark yellowish brown fine Sand, well sorted, soft						
3					50%	Dry		
4				SW				
5					100%	Dry		Sample collected BHGLSWMU61008-02
6			565					End of boring
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By: ESN-South
Drill Method.
Drilling Equipment:

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size:
Total Depth Drilled:
Sheet. 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU61009

Project No: AFC001-15BBC
Project: WAA Phase II RFI
Client: AFCEE
Location: SWMU 61
Northing: 6963908 603

Date: 4/28/00
Geologist: Melanie Kidwell
Ground Surface Elevation: 571.71
Easting: 2301019 038

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
		Asphalt and Gravel	571					
1		*Sand* 10YR 4/3 Brown fine Sand, soft, well sorted	570	SW	100%	Dry		Sample collected BHGLSWMU61009-01
2		*Silty Sand* 10YR 3/2 Very dark greyish brown Silty Sand, soft, well sorted, uniform color/texture						
3					100%	Dry		
4				CL				
5					100%	Dry		Sample collected BHGLSWMU61009-02
6			566					End of boring
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By: ESN-South
Drill Method: DPT
Drilling Equipment. SP4

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2"
Total Depth Drilled: 6'
Sheet 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU61010

Project No: AFC001-15BBC
Project: WAA Phase II RFI
Client: AFCEE
Location: SWMU 61
Northing: 6963893 940

Date: 4/28/00
Geologist: Melanie Kidwell
Ground Surface Elevation: 571 37
Easting: 2301041 440

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
		Grass/Topsoil	571	OL				
1		*Sandy Silt* 10YR 4/4 Dark yellowish brown Sandy Silt, soft, well sorted			100%	Dry		Sample collected BHGSWMU61010-01
2				SM				
3					100%	Dry		
4			567					
5		*Sand* 10YR 7/6 Yellow fine Sand, well sorted, soft		SW	100%	Dry		Sample collected BHGSWMU61010-02
6			565					End of boring
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By ESN-South
Drill Method
Drilling Equipment·

HydroGeoLogic, Inc
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size.
Total Depth Drilled·
Sheet 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BHGLSWMU61011

Project No: AFC001-15BBC
Project: WAA Phase II RFI
Client: AFCEE
Location: SWMU 61
Northing: 6963843 390

Date: 4/28/00
Geologist: Melanie Kidwell
Ground Surface Elevation: 571.48
Easting: 2301046 590

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
1		*Silt* 10YR 4/4 Dark yellowish brown Silt, very stiff, non-plastic, uniform color/texture		ML	100%	Dry		Sample collected BHGLSWMU61011-01
2								
3			568		100%	Dry		
4		*Silt* 10YR 7/3 Very pale brown Silt, very dry, well sorted		ML				
5					100%	Dry		Sample collected BHGLSWMU61011-02
6			565					End of boring
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By ESN-South
Drill Method: DPT
Drilling Equipment SP4

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size: 2"
Total Depth Drilled. 6'
Sheet. 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BEEGSWMU61012

Project No: EEG001-01B062
Project: WAA Phase III RFI
Client: AFCEE
Location: SWMU 61
Northing: 6963817 94

Date: 06/26/01
Geologist: M Johnston
Ground Surface Elevation: 572 53
Easting: 2301000 47

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
		Fill Gravel/asphalt fill	572					
1		*Silty Clay* 7 5YR 3/1 v dk gray silty clay, damp, med plasticity, med stiff, strong odor (diesel/fuel)		CL	100%	Damp		Collected from 1-1 5' BEEGSWMU61012-01 at 910
2								
3		*Clayey Silt with Sand* 10YR 7/3 v pale brown clayey silt with 10% fine sand and 5% calcium nodules, faint odor (organic) Increasing clay and sand with depth	570		100%	Dry		Strong fuel odor, PID=16 6ppm
4				ML				
5			567		100%	Damp		Collected from 4 75-5 25' BEEGSWMU61012-02 at 925
6		*Sandy Clay* Mottled 10YR 6/2 lt brown gray and 6/8 brownish yellow sandy clay, damp, med soft, no odor	567	CL				No odor End boring at 6'
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By ESN-South
Drill Method. DPT
Drilling Equipment: SP4

HydroGeoLogic, Inc
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size 2"
Total Depth Drilled 6'
Sheet 1 of 1

HYDRO GeoLogic INC.

Borehole ID: BEEGSWMU61013

Project No: EEG001-01B062
Project: WAA Phase III RFI
Client: AFCEE
Location: SWMU 61
Northing: 6963924.82

Date: 06/26/01
Geologist: M Johnston
Ground Surface Elevation: 571 37
Easting: 2300972 00

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
		Fill Gravel/asphalt fill	570					
1		*Silty Clay* 7 5YR 3/1 v dk gray silty clay, damp, med plasticity, stiff	569	CL	100%	Damp		Collected from 1-1.5' BEEGSWMU61013-01 at 840
2		*Sandy Clay* 10YR 6/6 brownish yellow sandy clay (fine sand), damp, med stiff	568	CL	100%	Damp		
3								End boring at 3'
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By. ESN-South
Drill Method.
Drilling Equipment:

HydroGeoLogic, Inc
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size.
Total Depth Drilled.
Sheet 1 of 1

HYDRO GeoLogic INC

Borehole ID: BEEGSWMU61014

Project No: EEG001-01B062
Project: WAA Phase III RFI
Client: AFCEE
Location: SWMU 61
Northing: 6963930 34

Date: 06/26/01
Geologist: M Johnston
Ground Surface Elevation: 571 75
Easting: 2301024.05

SUBSURFACE PROFILE					SAMPLE			
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	Remarks
		Fill Gravel/asphalt fill	571					Collected from 0 5-1'
1		*Sandy Clay* 7.5YR 4/6 strong brown sandy clay, damp, medium soft, no odor		CL	100%	Damp		BEEGSWMU61014-01 at 825
2								No odor, PID=5 6 at 0 5'
3			569					PID=7 2 at 3' End boring at 3'
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Drilled By. ESN-South
Drill Method: DPT
Drilling Equipment. SP4

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA 20170
(703) 478-5186 FAX (703) 471-4180

Hole Size· 2"
Total Depth Drilled 3'
Sheet: 1 of 11

Well ID: WHGLTA034

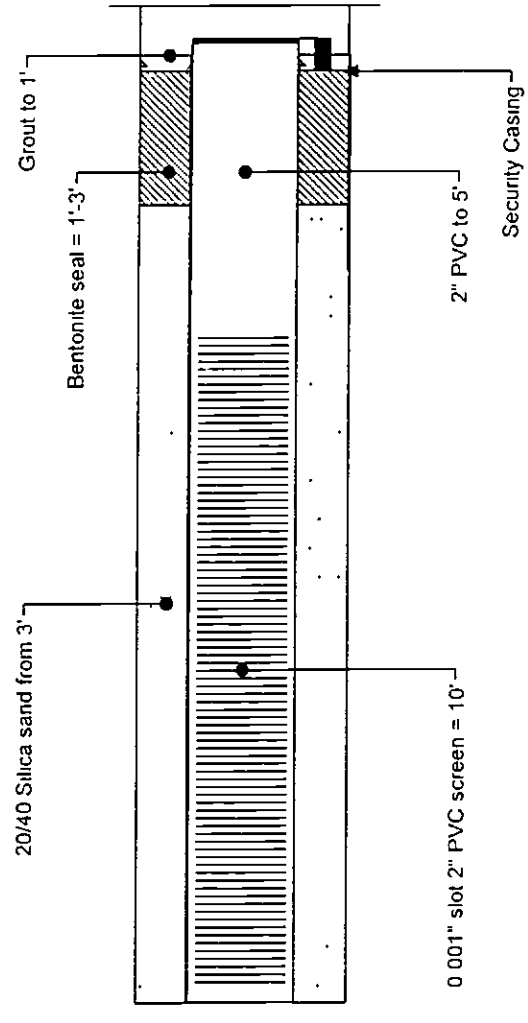
HYDRO GeoLogic INC.

Project No: AFC00115BBC
Project: NASFWJRB
Client: AFCEE
Location: SWMU-61
Date: 5/17/00

Engineer: K Duran
Northing 6963889 66
Easting: 2301060 21
Surface Elevation: 571 42
Elevation TOC:

Depth	Symbol	Description	Elev.	ASTM	PID (ppm)	Moisture
-1						
0		Ground Surface	0 0			
1		*Surface soil* Organic material, rootlets, humus smell	-2 0			Dry
3		*Cohesive soil* Brown, even texture, increasing moisture, more cohesive than previous layer	-4 0		>2000	Dry
4		*Sand* White chalky, friable, poorly sorted	-5 0		>2000	Dry
6		*Sand* Tan/yellow, powdery, friable, few calcareous material	-7 0			Dry
8		*Sand* 10 YR 7/2 Tan/yellow, increasing gravel, well sorted, cobbles >1 0cm in diameter	-9 0	SW		Moist
10		*Sand and gravel* Orange gravel, no odor, wet above gravel	-11 0	SW		Wet
12		*No Recovery* Saturated sand and gravel mixture fell through tube	-13 0	GP		Saturated
14		*Clayey silt* Gray limey streaks, crystalline limestone and weathered shaley limestone within clay (walnut)	-15 3	MLCL		Wet
15		End of Borehole				
16						

Well Completion Details



Drilled By: Geo Projects/Benny Hinoja

Drill Method. HSA

Drilling Equipment: B-61

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA
(703)478-5186 FAX (703)471-4180

Hole Size: 8"

Total Depth Drilled: 15 3'

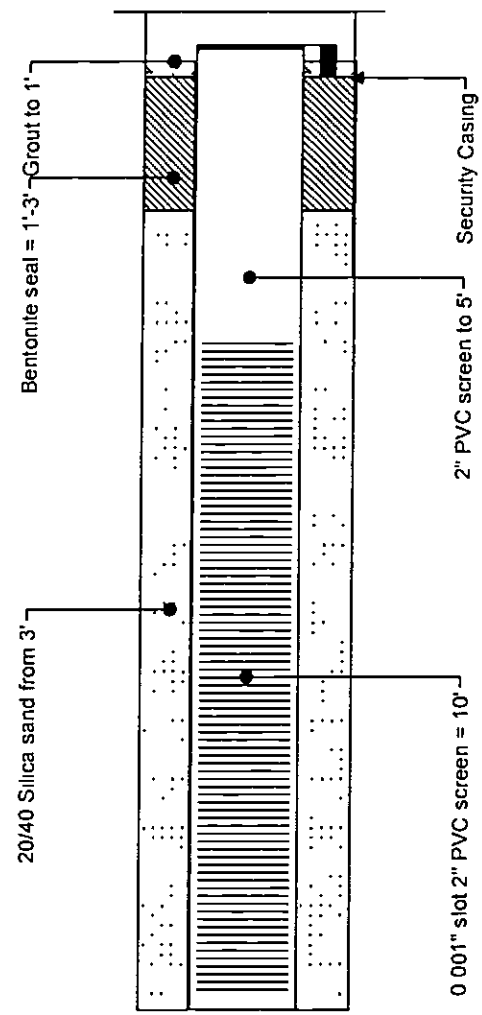
Sheet: 1 of 1

Well ID: WHGLTA035

HYDRO GeoLogic INC.

Project No: AFC00115BBC	*Engineer.* K Duran
Project: NASFWJRB	*Northing:* 6963823 75
Client. AFCEE	*Easting:* 230 1048 39
Location: SWMU-61	*Surface Elevation:* 571 43
Date: 5/16/00	*Elevation TOC:*

SUBSURFACE PROFILE					SAMPLE		Well Completion Details
Depth	Symbol	Description	Elev.	ASTM	PID (ppm)	Moisture	
		Ground Surface	0 0				
		Surface soil Organic, roots	-2 0		0	Dry	
		Silty sand 7 5 YR 4/3 dark brown, friable, few calcareous material	-4 0	SM	0	Dry	
		Sand White/green, friable, no odor	-5 0		0	Dry	
		Sand White/gray, friable, calcareous cementation characteristics	-7 0		0	Dry	
		Sand Gray, fine, friable, crumbly, possibly fill	-9 0		6 1	Dry	
		Sand Tan/yellow, coarse grain, poorly sorted, gravel at base	-11 0	SP	6	Moist	
		No Recovery Wet sand and gravel fell out	-13 0		0	Wet	
		Sand and pebbles Coarse grain, Walnut @ 15 3'	-15 3		0	Wet	
		End of Borehole					



Drilled By: Geo Projects/Benny Hinoja

Drill Method: HSA

Drilling Equipment: B-61

HydroGeoLogic, Inc.
1155 Herndon Pkwy, Suite 900
Herndon, VA
(703)478-5186 FAX (703)471-4180

Hole Size: 8"

Total Depth Drilled: 15 3'

Sheet: 1 of 1

MONITORING WELL CONSTRUCTION DETAILS

HYDRO GeoLogic

WELL CONSTRUCTION DETAILS AND ABANDONMENT FORM

FIELD REPRESENTATIVE. K. Duran

DRILLING CONTRACTOR Geo projects

DRILLING TECHNIQUE H/S Auger
AUGER SIZE AND TYPE. 6 1/4"

BOREHOLE IDENTIFICATION. WHGLTA028
BOREHOLE DIAMETER 8"
WELL IDENTIFICATION. WHGLTA028

WELL CONSTRUCTION START DATE 5/16/00
WELL CONSTRUCTION COMPLETE DATE.

SCREEN MATERIAL: Sched 40 pvc
SCREEN DIAMETER 2"
STRATUM-SCREENED INTERVAL (FT). 10 (19-9')

CASING MATERIAL. Solid sched 40 pvc
CASING DIAMETER 2"

TYPE OF FILTER PACK Silica Sand
GRADIATION 20/40
AMOUNT OF FILTER PACK USED. 6 bags

TYPE OF BENTONITE.
AMOUNT BENTONITE USED 3/4 bags

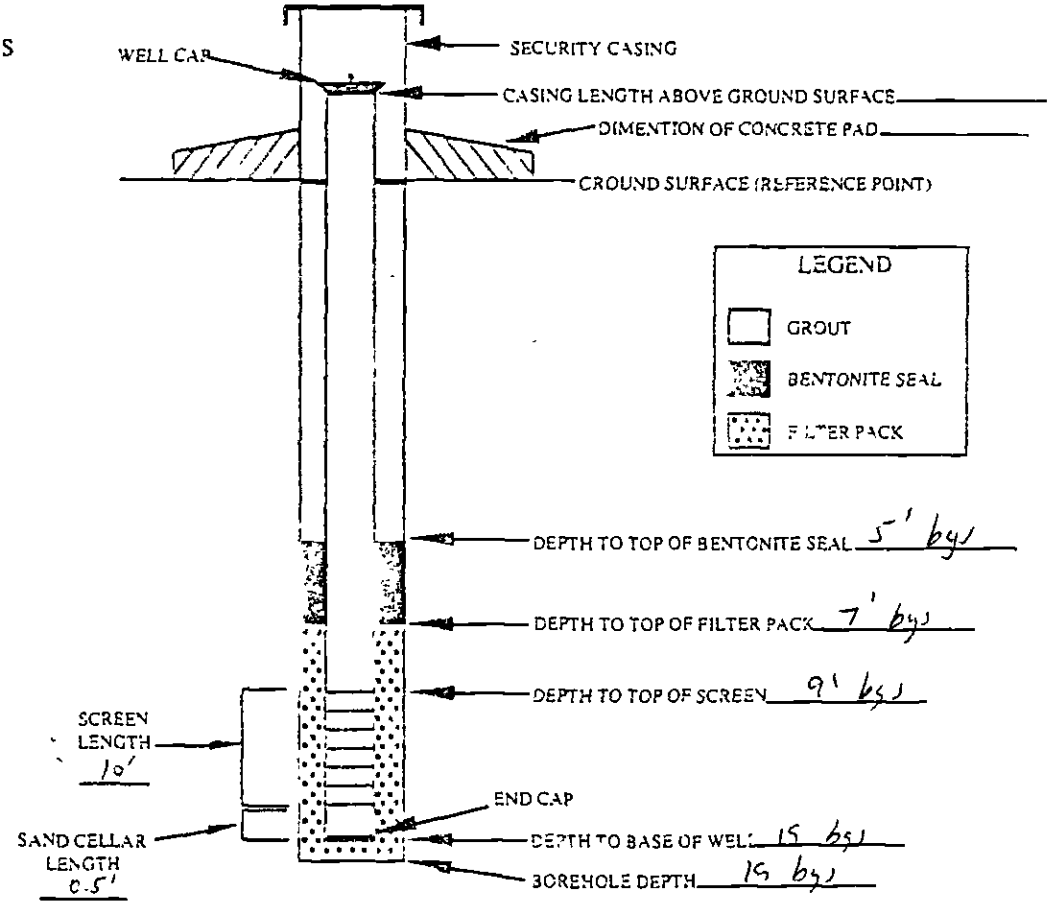
TYPE OF CEMENT Portland Type I
AMOUNT CEMENT USED
GROUT MATERIALS USED

DIMENSIONS OF SECURITY CASING

TYPE OF WELL CAP Morrison Brothers Company
TYPE OF END CAP

COMMENTS:

SPECIAL CONDITIONS
(describe and draw)



NOT TO SCALE

INSTALLED BY. B Hinson

INSTALLATION OBSERVED BY: K. Duran, B Nelson

DISCREPANCIES.

HYDRO GEOLOGIC

WELL DEVELOPMENT RECORD

WELL/PIEZOMETER ID _____
SHEET 1 of 3

PROJECT NAME NAS FW TRB PROJECT NO AF001-15BBC DATE 5/22/00

LOCATION SWMU 12 DATE INSTALLED _____

TOTAL DEPTH (FTOC) 18.56 CASING DIAMETER 2.0

METHODS OF DEVELOPMENT

☐ Swabbing ☐ Bailing ☒ Pumping ☐ Describe Development pump

Equipment decontaminated prior to development ☐ Yes ☐ NO

Describe Alconox, double rinse.

EQUIPMENT NUMBERS

pH Meter 310986R EC Meter 310986R Turbidity Meter 906125 Thermometer 310986R

CASING VOLUME INFORMATION

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.5	5.0	6.0	7.0	8.0
Unit Casing Volume A (gal/ft)	0.04	0.09	0.16	0.22	0.37	0.65	0.75	1.0	1.5	2.0	2.5

PURGING INFORMATION

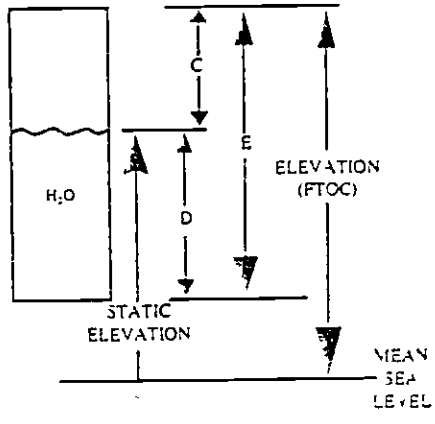
Measured Well Depth (B) 18.56 ft

Measured Water Level Depth (C) 14.51 ft

Length of Static Water Column (D) 18.56 (B) - 14.51 (C) = 4.05 ft

Casing Water Volume (E) = 0.16 (A) x 4.05 (D) = 0.648 gal

Total Purge Volume = _____ (gal)



Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Comments
5/22	0955	*	5.5				752	(very turbid no reading taken)
5/22	1005		10.5	6.74	1103	23.14	268	
5/22	1015		12.5	6.76	1104	23.10	82	
5/22	1020		14.5	6.77	1106	23.08	75	
5/22	1025		16.5	6.76	1106	23.03	56	
5/22	1030		18.5	6.75	1108	23.11	25.0	
5/22	1035		20.5	6.75	1110	23.03	19.0	
5/22	1040		22.5	6.74	1110	23.05	17.0	
5/22	1045		24.5	6.73	1108	23.00	15.1	

*Water level is below Top of Pump

AFCEE FORM WD-1

HYDRO GEOLOGIC

WELL DEVELOPMENT RECORD

WELL/PIEZOMETER ID _____
SHEET 2 of 3

PROJECT NAME LASFW JPB PROJECT NO AFCC01-15BBC DATE 5/22/00

LOCATION SWMU 12 DATE INSTALLED _____

TOTAL DEPTH (FTOC) 18.56 CASING DIAMETER 2.0

METHODS OF DEVELOPMENT

☐ Swabbing ☐ Bailing ☒ Pumping ☐ Describe Development Pump

Equipment decontaminated prior to development ☐ Yes ☐ NO

Describe Hydrocloax, chlorine

EQUIPMENT NUMBERS

pH Meter 310986R EC Meter 310986R Turbidity Meter 862125 Thermometer 310986R

CASING VOLUME INFORMATION

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	0	1.5	2.0	2.6

PURGING INFORMATION

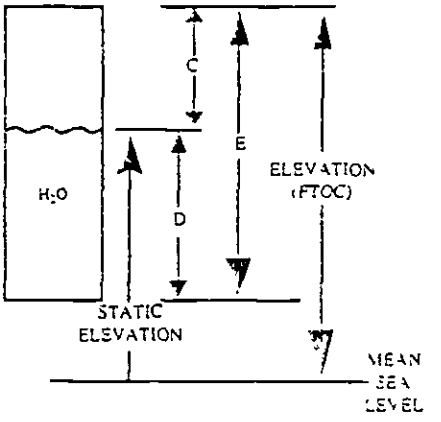
Measured Well Depth (B) 18.56 ft

Measured Water Level Depth (C) 14.51 ft

Length of Static Water Column (D) 18.56 (B) - 14.51 (C) = 4.05 ft

Casing Water Volume (E) = 0.16 (A) x 4.05 (D) = _____ gal

Total Purge Volume = _____ (gal)



Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Comments
5/22	0950	*	26	6.76	--	—	12.5	** pump clogged stop taking reading
5/22	1110		28.5	-	-	—	1000	(Very turbid thus no other reading taken)
5/22	1120		~~29~~ 30.5	6.74	1119	23.40	159	
5/22	1125		31.5	6.74	1132	23.50	72	
5/22	1130		32.5	6.74	1121	23.43	41	
5/22	1135		33.5	6.72	1111	23.26	22.6	
5/22	1140		24.5	6.75	117	23.25	19.9	
5/22	1145		25.5	6.74	1111	23.14	14.3	
5/22	1150		26.5	6.74	1115	23.12	14.7	
5/22	1155		27.5	6.76	1116	23.18	17.0	

* Water level below top of pump

HYDRO GeoLogic

WELL DEVELOPMENT RECORD

WELL/PIEZOMETER ID _____
SHEET 3 of 3

PROJECT NAME NASTW IRP PROJECT NO AFCEE01-15BBC DATE 5/22/02

LOCATION SWMU 12 DATE INSTALLED _____

TOTAL DEPTH (FTOC) 18.56 CASING DIAMETER 2.0

METHODS OF DEVELOPMENT

☐ Swabbing ☐ Bailing ☒ Pumping ☐ Describe Development Pump

Equipment decontaminated prior to development ☐ Yes ☐ NO

Describe Alconox double rinse

EQUIPMENT NUMBERS

pH Meter 310986R EC Meter 310986R Turbidity Meter 806155 Thermometer 310956R

CASING VOLUME INFORMATION

Casing Diameter	1.0	1.5	2.0	2.2	3.0	4.0	4.5	5.0	6.0	7.0	8.0
Unit Casing Volume A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	0.9	1.5	2.0	2.6

PURGING INFORMATION

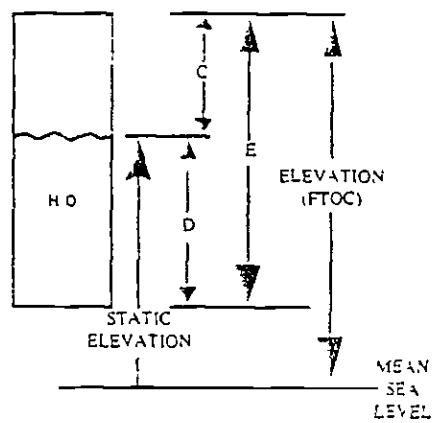
Measured Well Depth (B) 18.56 ft

Measured Water Level Depth (C) 14.51 ft

Length of Static Water Column (D) 18.56 (B) - 14.51 (C) = 4.05 ft

Casing Water Volume (E) = 0.16 (A) x 4.05 (D) = _____ gal

Total Purge Volume = _____ (gal)



Date	Time	Water Level (FTOC)	Volume Removed (gal)	pH	EC	Temperature F or C	Turbidity/ Sand (ppm)	Comments
5/22	1200	*	28.5	6.76	1116	23.18	16.5	
5/22	1205		29.5	6.77	1118	23.17	11.1	
5/22	1210		30.5	6.73	1119	23.16	9.40	
5/22	1215		31.5	6.73	1120	23.19	8.38	
5/22	1240		32.5	6.76	1120	23.14	7.76	

*water level below top of pump

AFCEE FORM WD0

HYDRO GeoLogic Inc.

WELL CONSTRUCTION DETAILS AND ABANDONMENT FORM

FIELD REPRESENTATIVE. K. Duran

DRILLING CONTRACTOR Geo projects

DRILLING TECHNIQUE H/S Auger

AUGER SIZE AND TYPE 8"

BOREHOLE IDENTIFICATION [illegible]

BOREHOLE DIAMETER 8"

WELL IDENTIFICATION [illegible]

WELL CONSTRUCTION START DATE 5/9/93

WELL CONSTRUCTION COMPLETE DATE

SCREEN MATERIAL [illegible]

SCREEN DIAMETER 2"

STRATUM-SCREENED INTERVAL (FT) 15-5 [illegible]

CASING MATERIAL [illegible]

CASING DIAMETER 2"

TYPE OF FILTER PACK Silica Sand

GRADIATION 20/30

AMOUNT OF FILTER PACK USED

TYPE OF BENTONITE [illegible]

AMOUNT BENTONITE USED

TYPE OF CEMENT [illegible]

AMOUNT CEMENT USED

GROUT MATERIALS USED

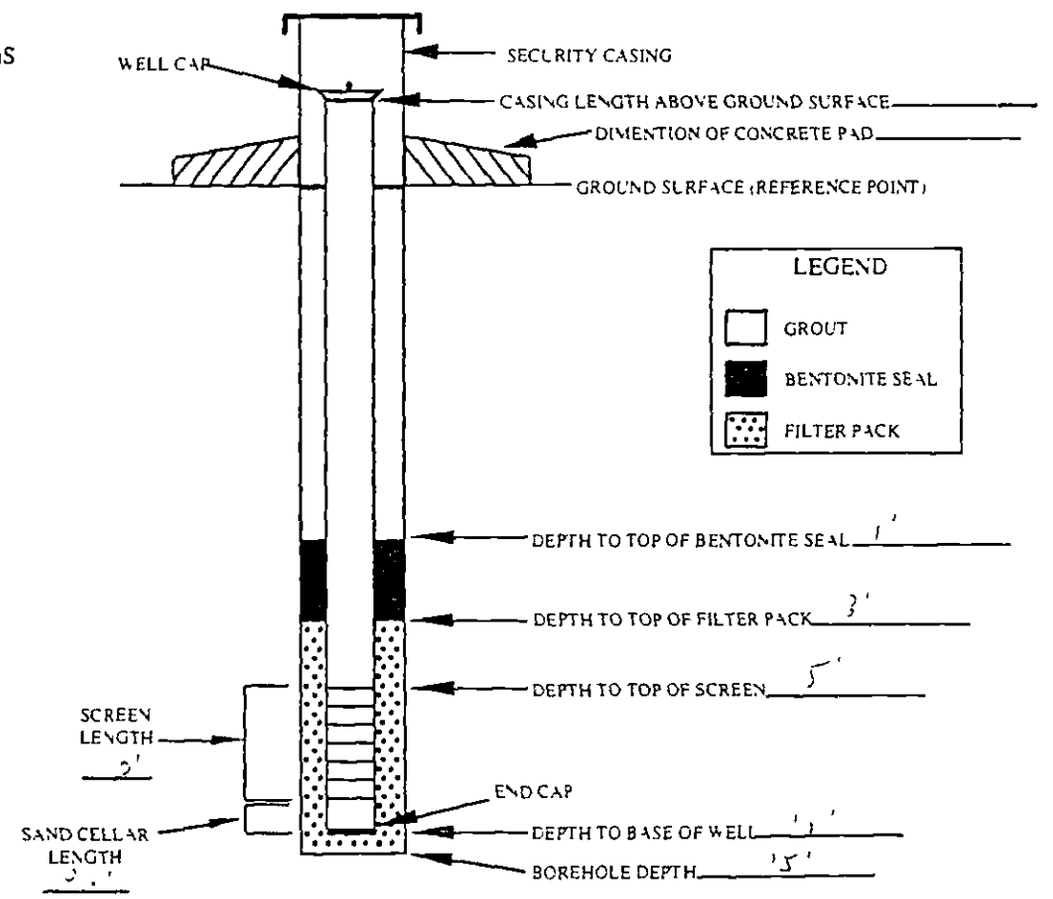
DIMENSIONS OF SECURITY CASING

TYPE OF WELL CAP [illegible]

TYPE OF END CAP.

COMMENTS

SPECIAL CONDITIONS
(describe and draw)



NOT TO SCALE

INSTALLED BY R. Hines

INSTALLATION OBSERVED BY K. Duran

DISCREPANCIES

AFCEE FORM WAA 0

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COPY

WELL DEVELOPMENT RECORD

WELL PIEZOMETER NO. _____
SHEET ___ OF ___

PROJECT NAME _____ PROJECT NO. _____ DATE _____

LOCATION _____ DATE INSTALLED 5-17-00

TOTAL DEPTH (FT BGS) _____ CASING DIAMETER 2"

METHODS OF DEVELOPMENT

☐ Swabbing ☐ Bailing ☐ Pumping ☐ Describe _____

Equipment decontaminated prior to development ☐ Yes ☐ No

Describe _____

EQUIPMENT NUMBERS

pH Meter _____ EC Meter _____ Turbidity Meter 8661.2 Thermometer _____

CASING VOLUME INFORMATION

PURGING INFORMATION

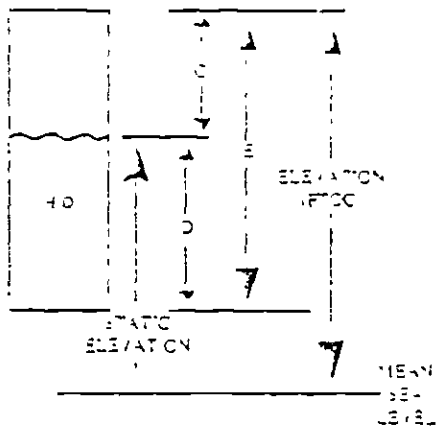
Measured Well Depth (B) _____

Measured Water Level Depth (C) _____

Length of Static Water Column (D) _____ (B) _____ (C) = _____

Casing Water Volume (E) = _____ x _____ (D) = _____ gal

Total Purge Volume = 54.75 gal



Date	Time	Water Level (FT)	Gal. Removed	pH	EC	Temperature (°C)	Turbidity (NTU)	DO (mg/L)	Comments
[illegible]	[illegible]		40	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]		11.75	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]		4.25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]		47	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]		52.25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]		54	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
5/24	1645		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
5/24	1650		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

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HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION: NAS Ft Worth JRB
SITE _____

PROJECT NAME WAA Investigation
PROJECT NAME AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID WHGLTA034-01

DATE 5/17/03 TIME 822

MATRIX TYPE SO

SAMPLING METHOD

LOT CONTROL # ___ ___ ___ ___
(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #. _____

SAMPLE BEG DPETH (FT) 0
SAMPLE END DPETH (FT) 2'
GRAB ( ) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS) _____
MATRIX SPIKE DUP (SD) _____
FIELD DUP (FD) _____
AMBIENT BLANK (AB) _____
EQUIPMENT BLANK (EB) _____
TRIP BLANK (TB) _____

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	4	Cool to 4C/None	(1131 ZHE SPLP)	Tetrachloroethene (PCE)
5 g Encore	3	Cool to 4C/None	(SW8260B)	Tetrachloroethene (PCE)

NOTABLE OBSERVATIONS

PID READINGS		SAMPLE CHARACTERISTICS		MISCELLANEOUS
1st	NA	COLOR	brn	heavy dust
2nd		ODOR	none	
		OTHER	[illegible] soil	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)
Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity _____ (NTU)

GENERAL INFORMATION

WEATHER SUN CLEAR _____ OVERCAST/RAIN _____ WIND DIRECTION _____ AMBIENT TEMPERATURE _____

SHIPMENT VIA FEDEX ___x___ HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS Normal Turnaround Time

SAMPLER K. Dunn OBSERVER —

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

AFCEE FORM SR 11

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HYDRO GeoLogic INC.

WELL CONSTRUCTION DETAILS AND ABANDONMENT FORM

FIELD REPRESENTATIVE: WK Duran

DRILLING CONTRACTOR: Geoprobe

DRILLING TECHNIQUE: H/S Auger

AUGER SIZE AND TYPE: 6 1/4"

BOREHOLE IDENTIFICATION: LWHGWTA035

BOREHOLE DIAMETER: 8"

WELL IDENTIFICATION: LWHGWTA035

WELL CONSTRUCTION START DATE: 5/16/00

WELL CONSTRUCTION COMPLETE DATE: _____

SCREEN MATERIAL: Sch 40 pvc

SCREEN DIAMETER: 2"

STRATUM-SCREENED INTERVAL (FT): 15'-5' bgs

CASING MATERIAL: Sch 40 pvc riser

CASING DIAMETER: 2"

TYPE OF FILTER PACK: Silica Sand

GRADIATION: 20/40

AMOUNT OF FILTER PACK USED: _____

TYPE OF BENTONITE: Coarse high Bentonite

AMOUNT BENTONITE USED: _____

TYPE OF CEMENT: Portland Type I

AMOUNT CEMENT USED: _____

GROUT MATERIALS USED: _____

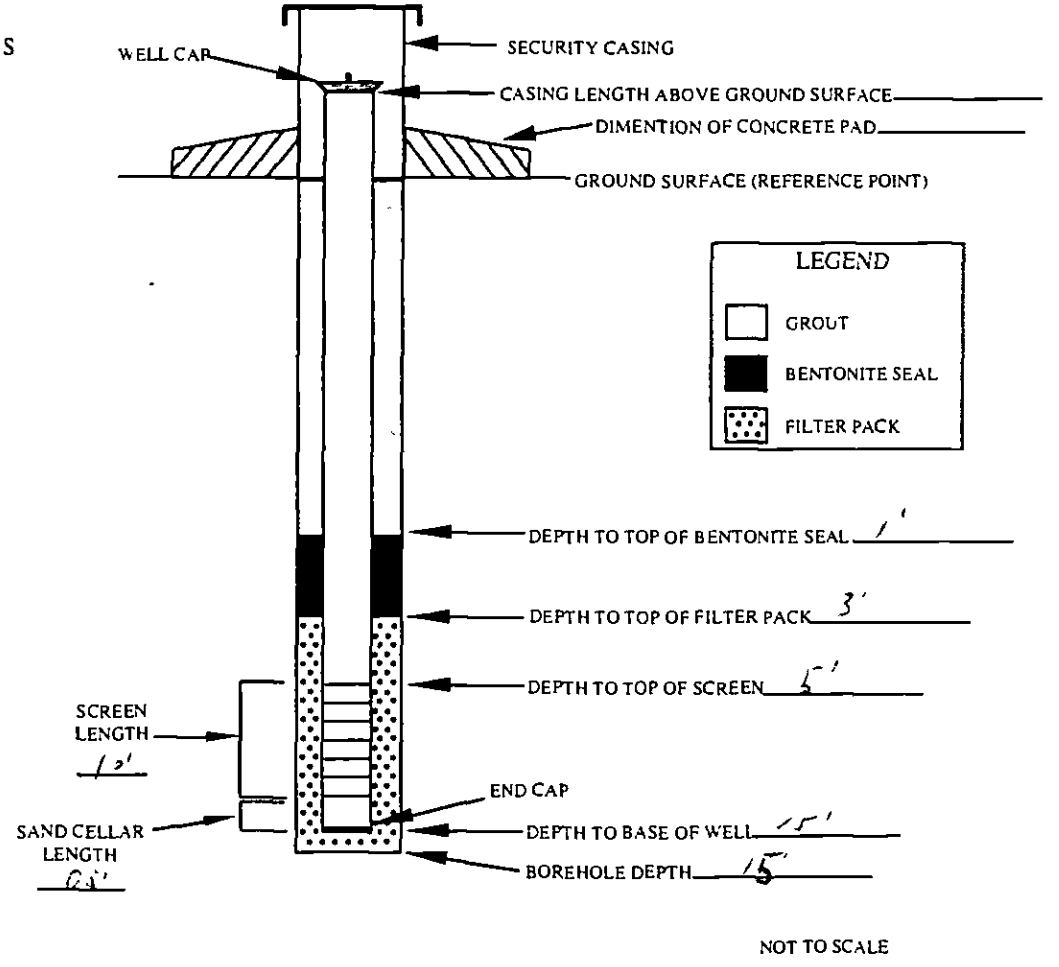
DIMENSIONS OF SECURITY CASING: _____

TYPE OF WELL CAP: Morrison 2" well cap

TYPE OF END CAP: _____

COMMENTS:

SPECIAL CONDITIONS
(describe and draw)



NOT TO SCALE

INSTALLED BY: Benny Hendrix

INSTALLATION OBSERVED BY: KDuran

DISCREPANCIES: _____

AFCEE FORM WAA 0

WELL DEVELOPMENT RECORD

WELL/PIEZOMETER ID. _____
SHEET _____ of _____

PROJECT NAME _____ PROJECT NO _____ DATE _____

LOCATION _____ DATE INSTALLED _____

TOTAL DEPTH (FTOC) _____ CASING DIAMETER _____

METHODS OF DEVELOPMENT

☐ Swabbing ☐ Bailing ☒ Pumping ☐ Describe _____

Equipment decontaminated prior to development ☐ Yes ☐ NO

Describe _____

EQUIPMENT NUMBERS

pH Meter _____ EC Meter _____ Turbidity Meter _____ Thermometer _____

CASING VOLUME INFORMATION

[illegible]											
[illegible]											

PURGING INFORMATION

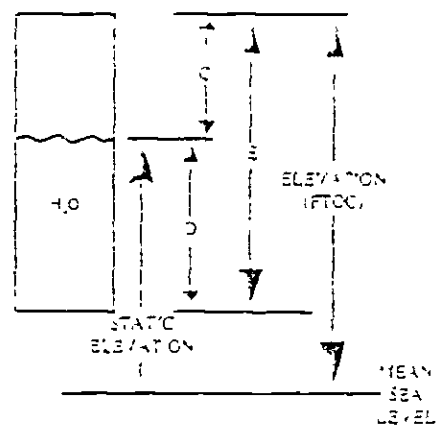
Measured Well Depth (B) _____ ft

Measured Water Level Depth (C) _____ ft

Length of Static Water Column (D) _____ (B) _____ (C) = _____ ft

Casing Water Volume (E) = _____ (A) x _____ (D) = _____ gal

Total Purge Volume = _____ gal



Date	Time	Water Level (FTOC)	Pumped (gal)	pH	EC	Temperature (°C)	Turbidity (and color)	[illegible]	Comments	[illegible]
[illegible]	[illegible]	*	[illegible]	[illegible]	[illegible]	[illegible]	541	**		**
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

* [illegible]

[illegible] AGCE FORM [illegible]

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FIELD SAMPLING FORMS

PHASE I

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 176

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU 5

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU05 001-01

DATE 6-4-99 TIME: 1105

MATRIX TYPE: SO

SAMPLING METHOD. DPT

LOT CONTROL #. __ __ __ __

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH: 0

END DEPTH. 6"

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060499

TRIP BLANK (TB) TB060499

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS Appendix IX
Encore	3	4°C	8260B	VOCs + Cis 1,2-DCE, ~~From 113~~ PD
4oz Jar	1	4°C	SW 6010A/7000, 7471A	Metals + mercury
4oz Jar	1	4°C	SW 8270C 9045 TB 1005	SVOCs + Petroleum Hydro, pH
4oz Jar	1	4°C	mod. 8015	Ethylene Glycol

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0.0	COLOR	
2nd 0.1	ODOR.	
	OTHER:	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION _____ AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS _____

SAMPLER PD OBSERVER MR

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 177

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU05

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU05 001-02

DATE: 6-4-99 TIME: 1120

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH: 5'

END DEPTH: 7'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060499

TRIP BLANK (TB) TB060499

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS Append. x IX
Encore	3	4°C	8260B	VOCs + Cis 1,2-DCE, ~~Freon~~ PD
4oz Jar	1	4°C	SW 6010A/7000, 7471A	Metals + mercury
4oz Jar	1	4°C	SW 8270C 9045 TX1005	SVOCs + Petroleum Hydro, pH
4oz Jar	1	4°C	mod. 8015	Ethylene Glycol

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0.5	COLOR	
2nd 0.5	ODOR:	
	OTHER	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION N AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS _____

SAMPLER P. D. OBSERVER M. K.

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC.

FIELD SAMPLING REPORT

733 178

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE. SWMU 05

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU05 002-01

DATE: 6-4-99 TIME: 1208

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL #: __ __ __ __

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #. _____

BEGINNING DEPTH: 0

END DEPTH: 6"

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE.

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060499

TRIP BLANK (TB) TB060499

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS Appendix IX
Encore	3	4°C	8260B	VOCs + Cis 1,2-DCE, ~~Fam~~ PD
4oz Jar	1	4°C	SW 6010A/7000, 7471A	Metals + mercury
4oz Jar	1	4°C	SW 8270C 9045 TX1005	SVOCs + Petroleum Hydro, pH
4oz Jar	1	4°C	mod. 8015	Ethylene Glycol

NOTABLE OBSERVATIONS

PID READINGS		SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st	0.0	COLOR	
2nd	0.0	ODOR:	
		OTHER.	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION N AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS _____

SAMPLER PD OBSERVER MK

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC.

FIELD SAMPLING REPORT

733 179

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU 05

SAMPLE INFORMATION

SAMPLE ID BHGLSWMU05002-02

DATE: 6-4-99 TIME: 1220

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL #. __ __ __ __

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH: 5'

END DEPTH: 7'

GRAB (x) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB06U/GC

TRIP BLANK (TB) TB06U/GC

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS Appendix IX
Encore	3	4°C	8260B	VOCs + Cis 1,2-DCE, ~~From 113~~ FD
4oz Jar	1	4°C	SW 6010A/7000, 7471A	Metals + mercury
4oz Jar	1	4°C	SW 8270C 9045 TX1005	SVOCs + Petroleum Hydro, pH
4oz Jar	1	4°C	mod. 8015	Ethylene Glycol

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0	COLOR	
2nd	ODOR	
	OTHER	

GENERAL INFORMATION

WEATHER SUN/CLEAR 1 OVERCAST/RAIN _____ WIND DIRECTION N AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS _____

SAMPLER P. D. OBSERVER M. K.

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 180

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU 5

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU05 003-01

DATE 6-4-99 TIME: 1315

MATRIX TYPE. SO

SAMPLING METHOD DPT

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH: 0

END DEPTH: 6"

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS). _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060499

TRIP BLANK (TB) TB060499

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS Appendix IX
Encore	3	4°C	8260B	VOCs + Cis 1,2-DCE, ~~from 113~~ PD
4oz Jar	1	4°C	SW 6010A/7000, 7471A	Metals + mercury
4oz Jar	1	4°C	SW 8270C 9045 TX1005	SVOCs + Petroleum Hydro, pH
4oz Jar	1	4°C	mod. 8015	Ethylene Glycol

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 2.8	COLOR:	
2nd	ODOR:	
	OTHER	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION N AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS 6" of concrete on surface

SAMPLER P. D. OBSERVER M.K.

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic Inc.

FIELD SAMPLING REPORT

733 181

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU 5

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU05 0002-02

DATE: 6-4-99 TIME: 1327

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH 5'

END DEPTH: 7'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) ~~B0403~~ r.k

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060499

TRIP BLANK (TB) TB060499

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS Appendix IX
Encore	3	4°C	8260B	VOCs + Cis 1,2-DCE, ~~Fano~~ 113
4oz Jar	1	4°C	SW 6010A/7000, 7471A	Metals + mercury
4oz Jar	1	4°C	SW 8270C 9045 TX1005	SVOCs + Petroleum Hydro, pH
4oz Jar	1	4°C	mod. 8015	Ethylene Glycol

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 2.2	COLOR.	
2nd	ODOR:	
	OTHER:	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION N AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS 6" concrete @ surface

SAMPLER P.D. OBSERVER M.K.

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 182

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU 6

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU06 001-01

DATE: 6-4-99 TIME: 840

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH: 0

END DEPTH: 6

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060499

TRIP BLANK (TB) TB060499

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS App. IX
Encore	3	4°C	8260B	VOCs + cis 1,2-DCE
4oz	1	4°C	mod. 8015	Ethylene glycol
4oz	1	4°C	SW 6010/7000 7471 A	Metals + Mercury
4oz	1	4°C	SW8270C, 9045 TX1005	SVOC, Petr. Hydr., pH

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0	COLOR:	
2nd	ODOR:	
	OTHER:	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION E AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS Under concrete

SAMPLER PD OBSERVER MK

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
HW=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
HW=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAP/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU 6

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU06001-02

DATE 6-4-99 TIME: 858

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL # ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH: 5'

END DEPTH: 7'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060498

TRIP BLANK (TB) TB060498

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS App. IX
Encore	3	4°C	8260B	VOCs + cis 1,2-DCE
4oz	1	4°C	mod. 8015	Ethylene glycol
4oz	1	4°C	SW 6010/7060 7471 A	Metals + Mercury
4oz	1	4°C	SW8270C, 9045 TX1005	SVOC, Petr. Hydr., pH

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0	COLOR:	
2nd	ODOR	
	OTHER.	

GENERAL INFORMATION

WEATHER SUN/CLEAR ✓ OVERCAST/RAIN ____ WIND DIRECTION E AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER ____ COURIER ____ OTHER ____

SHIPPED TO Severn Trent Laboratories

COMMENTS Under concrete

SAMPLER P. D OBSERVER M. K

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
HL=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
HS=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAP/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 184

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: Swmu 6

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU06 602-01

DATE: 6-4-99 TIME: 950

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL #. __ __ __ __

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH: 0

END DEPTH 6"

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060499

TRIP BLANK (TB) TB060499

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS App. IX
Encore	3	4°C	8260B	VOCs + cis 1,2-DCE
4oz	1	4°C	mod. 8015	Ethylene glycol
4oz	1	4°C	SW6010/7000 7471 A	Metals + Mercury
4oz	1	4°C	SW8270C, 9045 TX1005	SVOC, Petr. Hydr., pH

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st PID 2.2	COLOR.	
2nd	ODOR.	
	OTHER.	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION N AMBIENT TEMPERATURE 90°

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS _____

SAMPLER PD OBSERVER MK

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
L=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
S=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAP/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU 6

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU06002-02

DATE: 6-4-99 TIME: ~~1010~~ PD 1012

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL #: __ __ __ __

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH: 5'

END DEPTH: 7'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060499

TRIP BLANK (TB) TB060499

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS App. IX
Encore	3	4°C	82603	VOCs + cis 1,2-DCE
4oz	1	4°C	mod. 8015	Ethylene glycol
4oz	1	4°C	SW6010/7000 7471 A	Metals + Mercury
4oz	1	4°C	SW8270C, 9045 TX1005	SVOC, Petr. Hydr., pH

NOTABLE OBSERVATIONS

PID READINGS		SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st	0	COLOR.	
2nd		ODOR:	
		OTHER.	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION N AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS _____

SAMPLER PD OBSERVER MK

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
W=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAP/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU 12

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU12001-01

DATE: 6-8-99 TIME: 1000

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH: 0

END DEPTH: 6"

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB0608999 w/ AFC001 16 BBD

TRIP BLANK (TB) TB0608999

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS Appn. IX
4oz Jar	1	4°C	SW6010A/7000 7471A	Metals + Mercury
4oz Jar	1	4°C	SW8270C, TX1005	SVOCs + Petro. Hydro.
Encore		4°C	SW8260B	VOCs - cis 1,2-DCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0	COLOR:	
2nd	ODOR:	
	OTHER	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION N AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS _____

SAMPLER P. D. OBSERVER M. K.

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU12

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU12001-02

DATE: 6-8-99 TIME: 1010

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #. _____

BEGINNING DEPTH: 5'

END DEPTH: 7'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060899 } AFC001

TRIP BLANK (TB) TB060899 } 16 BWD

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS Appn. 1X
4oz Jar	1	4°C	SW6010A/7010 7471A	Metals + Mercury
4oz Jar	1	4°C	SW8270C, TX1005	SVOCs + Petro. Hydro.
Encore	3	4°C	SW8260B	VOCs + c.s 1,2-DCE

NOTABLE OBSERVATIONS

PID READINGS		SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st	9.89	COLOR: Stained	
2nd	0	ODOR.	
		OTHER.	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION N AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS _____

SAMPLER P. D OBSERVER M. K

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
[illegible]=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
[illegible]=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU 12

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU12 001-03

DATE: 6-8-99 TIME: 1030

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL # ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH: 10

END DEPTH: 12

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE.

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060899 } AFC 001

TRIP BLANK (TB) TB060899 } 16 BBD

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS Appn. IX
4oz Jar	1	4°C	SW6010A/7000 7471A	Metals + Mercury
4oz Jar	1	4°C	SW8270C, TX1005	SVOCs + Petro. Hydro.
Encore	3	4°C	SW8260B	VOCs + cis-1,2-DCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 9.6	COLOR:	
2nd	ODOR	
	OTHER.	

GENERAL INFORMATION

WEATHER SUN/CLEAR ✓ OVERCAST/RAIN ___ WIND DIRECTION N AMBIENT TEMPERATURE 70°F

SHIPMENT VIA FED-X X HAND DELIVER ___ COURIER ___ OTHER ___

SHIPPED TO Severn Trent Laboratories

COMMENTS _____

SAMPLER P. D. OBSERVER MK

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
L=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 189

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU 12

SAMPLE INFORMATION

SAMPLE ID. BHGLSWMU12 002-01

DATE: 6-8-97 TIME: 1108

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL #. ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH: 0

END DEPTH: 6"

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS). _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060899 } AFC001 16 BBD

TRIP BLANK (TB) TB060899

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS Appn. 1X
4oz Jar	1	4°C	SW 6010A/7010 7471A	Metals + Mercury
4oz Jar	1	4°C	SW8270C, TX1005	SVOCs + Petro. Hydro.
Encore	3	4°C	SW 8260B	VOCs + cis-1,2-DCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0	COLOR:	
2nd	ODOR.	
	OTHER	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION N AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS _____

SAMPLER P.D. OBSERVER M. K.

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
W=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
W=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU 12

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU12 002-02 -FD -02

DATE 6-8-99 TIME: 1115

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL #. ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH. 5'

END DEPTH: 7'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060899 } AFCCCI 15 BBD

TRIP BLANK (TB) TB060899

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS Appn. IX
4oz Jar	1	4°C	SW6010A/3010 7471A	Metals + Mercury
4oz Jar	1	4°C	SW8270C, TX1005	SVOCs + Petro. Hydro.
Encore	3	4°C	SW8260B	VOCs + cis 1,2-DCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0	COLOR.	
2nd '	ODOR:	
	OTHER.	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION N AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS _____

SAMPLER P. D. OBSERVER M. K.

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU 12

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU12 002-03

DATE: 6-8-99 TIME: 1141

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #. _____

BEGINNING DEPTH: _____

END DEPTH: _____

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060899 } AFC 001

TRIP BLANK (TB) TB060899 } 16 BBD

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS Appn. 1X
4oz Jar	1	4°C	SW6010A/7000 7471A	Metals + Mercury
4oz Jar	1	4°C	SW8270C, TX1005	SVOCs + Petro. Hydro.
Encore	3	4°C	SW8260B	VOCs + cis 1,2-DCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0	COLOR.	
2nd	ODOR:	
	OTHER:	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION N AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS _____

SAMPLER P. D. OBSERVER M. K

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU 12

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU12003-01

DATE: 6-8-99 TIME: ~~1231~~ 1213 PD

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: ___

BEGINNING DEPTH: 0

END DEPTH: 6"

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) ___

MATRIX SPIKE DUP (SD) ___

FIELD DUP (FD) ___

AMBIENT BLANK (AB) ___

EQUIPMENT BLANK (EB) EB060899

TRIP BLANK (TB) TB060899

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS Appn. 1X
4oz Jar	1	4°C	SW6010A/7010 7471A	Metals + Mercury
4oz Jar	1	4°C	SW8270C, TX1005	SVOCs + Petro. Hydro.
Encore	3	4°C	SW8260B	VOCs + cis 1,2-DCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0	COLOR.	
2nd	ODOR:	
	OTHER.	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION N AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER ___ COURIER ___ OTHER ___

SHIPPED TO Severn Trent Laboratories

COMMENTS ___

SAMPLER P. D. OBSERVER M. K.

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 193

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE SWMU 12

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU12003-02

DATE: 6-8-99 TIME: 1222

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH: 5'

END DEPTH: 7'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS). BHGLSWMU003-02 MS

MATRIX SPIKE DUP (SD) BHGLSWMU003-02MD

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060699 } AFC 001 16 BBD

TRIP BLANK (TB) TB060999

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS Appn. 1X
4oz Jar	1	4°C	SW6010A/7000 7471A	Metals + Mercury
4oz Jar	1	4°C	SW8270C, TX1005	SVOCs + Petro. Hydro.
Encore	3	4°C	SW8260B	VOCs - cis-1,2-DCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 6.8	COLOR:	
2nd	ODOR:	
	OTHER:	

GENERAL INFORMATION

WEATHER. SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION N AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS _____

SAMPLER PD OBSERVER MK

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC.

FIELD SAMPLING REPORT

733 194

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU12

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU12003-02MS

DATE: 6-8-99 TIME: 1222

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL #. ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: ___

BEGINNING DEPTH: 5'

END DEPTH. 7'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) ___

MATRIX SPIKE DUP (SD) BHGLSWMU12003-02MD

FIELD DUP (FD) ___

AMBIENT BLANK (AB) ___

EQUIPMENT BLANK (EB) EB060899

TRIP BLANK (TB) TB060899

.15 QCD

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS Appn. 1X
4oz Jar	1	4°C	SW6010A/7000 7471A	Metals + Mercury
4oz Jar	1	4°C	SW8270C, TX1005	SVOCs + Petro. Hydro.
Encore	3	4°C	SW8260B	VOCs + cis 1,2-DCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 6.8	COLOR.	
2nd	ODOR	
	OTHER:	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION N AMBIENT TEMPERATURE 80°F

SHIPMENT VIA FED-X X HAND DELIVER ___ COURIER ___ OTHER ___

SHIPPED TO Severn Trent Laboratories

COMMENTS ___

SAMPLER P.D. OBSERVER M.K.

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU12

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU12 003-02MD

DATE: 6-8-99 TIME: 1222

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH: 5'

END DEPTH: 7'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) BHGLSWMU12 003-02 MS

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060899 } AFC001

TRIP BLANK (TB) TB060899 } 16 BBC

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS Appn. 1X
4oz Jar	1	4°C	SW6010A/7000 7471A	Metals + Mercury
4oz Jar	1	4°C	SW8270C, TX1005	SVOCs + Petro. Hydro.
Encore	3	4°C	SW8260B	VOCs + cis 1,2-DCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 6.8	COLOR:	
2nd	ODOR.	
	OTHER:	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION N AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS _____

SAMPLER P. D. OBSERVER M. K.

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
[illegible]=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
[illegible]=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 196

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU 12

SAMPLE INFORMATION

SAMPLE ID BHGLSWMU12 00 3-03

DATE: 6-8-99 TIME: 1255

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL #: __ __ __ __

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY # _____

BEGINNING DEPTH: 10

END DEPTH: 12

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060899 } AFC001

TRIP BLANK (TB) TB060899 } 16 BND

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS Appn. IX
4oz Jar	1	4°C	SW6010A/7010 7471A	Metals + Mercury
4oz Jar	1	4°C	SW8270C, TX1005	SVOCs + Petro. Hydro.
Encore	3	4°C	SW8260B	VOCs + cis 1,2-DCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 8.5	COLOR:	
2nd	ODOR:	
	OTHER	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION _____ AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS _____

SAMPLER P.D OBSERVER M.K

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
HL=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
HS=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 197

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU 31

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU31001-01

DATE: 6-7-99 TIME: 1305

MATRIX TYPE: SO

SAMPLING METHOD. DPT

LOT CONTROL #. ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH: 0

END DEPTH 6"

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060799

TRIP BLANK (TB) TB060799

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS App IX
4oz Jar	1	4°C	SW6010/7000 7471A	Metals + Mercury
4oz Jar	1	4°C	SW8270C, TX1005	SVOCs + Petroleum Hydro
Encore	3	4°C	SW 8260B	VOCs + Cis-1,2-DCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0	COLOR	
2nd	ODOR	
	OTHER:	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION _____ AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS Landfill 2

SAMPLER. PD OBSERVER MK

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 198

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU31

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU31 001-02

DATE: 6-7-99 TIME: 1325

MATRIX TYPE. SO

SAMPLING METHOD. DPT

LOT CONTROL #: __ __ __ __

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH: 5'

END DEPTH: 7'

GRAB (✓) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE.

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060799

TRIP BLANK (TB) TB060799

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS App. IX
4oz Jar	1	4°C	SW6010/7000 7471A	Metals + Mercury
4oz Jar	1	4°C	SW8270C, TX1005	SVOCs + Petroleum Hydro
Encore	3	4°C	SW 8260B	VOCs + cis-1,2-DCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0	COLOR	
2nd	ODOR	
	OTHER:	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION N AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS landfill 2

SAMPLER P. D. OBSERVER M. K.

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU31 DPD

SAMPLE INFORMATION

SAMPLE ID. BHGLSWMU31 001-03

DATE: 6-7-99 TIME: 1342

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH: 10'

END DEPTH: 12'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060799

TRIP BLANK (TB) TB060799

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS App. IX
4oz Jar	1	4°C	SW6010/7000 7471A	Metals + Mercury
4oz Jar	1	4°C	SW8270C, TX1005	SVOCs + Petroleum Hydro
Encore	3	4°C	SW 8260B	VOCs + cis-1,2-DCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0	COLOR:	
2nd	ODOR.	
	OTHER	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN ____ WIND DIRECTION N AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER ____ COURIER ____ OTHER ____

SHIPPED TO Severn Trent Laboratories

COMMENTS Landfill 2

SAMPLER P. D. OBSERVER M. K.

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
H=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 200

LOCATION NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU 31

SAMPLE INFORMATION

SAMPLE ID BHGLSWMU31 001-04

DATE: 6-7-99 TIME: 1400

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH: 15'

END DEPTH: 17'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE.

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) DUP04

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060799

TRIP BLANK (TB) TB060799

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS App. IX
4oz Jar	1	4°C	SW6010/7000 7471A	Metals + Mercury
4oz Jar	1	4°C	SW8270C, TX1005	SVOCs + Petroleum Hydr. pH PD
Encore	3	4°C	SW 8260B	VOCs + cis-1,2-DCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0	COLOR.	
2nd	ODOR.	
	OTHER:	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION N AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS Landfill 2

SAMPLER P. D. OBSERVER MK

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
WL=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
WS=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION: NAS Fort Worth JRB, Texas

PROJECT. AFC001-16 BBB

SITE: SWMU 31

SAMPLE INFORMATION

SAMPLE ID: DuPO4

DATE: 6-7-99 TIME 1300 (1400)

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL # __ __ __ __

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY # _____

BEGINNING DEPTH: 15'

END DEPTH: 17'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) BHGLSWMU31001-04

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB000719

TRIP BLANK (TB) TB000719

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS Appendix IX
4oz Jar	1	4°C	SW6010 / 7470 / 7471 A	Metals + Mercury
4oz Jar	1	4°C	SW8270C, + 8100S	SVOCs - Petroleum Hydrocarbons
Encore	3	4°C	SW8260B	VOCs + cis-1,2-DCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0	COLOR	
2nd	ODOR	
	OTHER.	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN ____ WIND DIRECTION N AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER ____ COURIER ____ OTHER ____

SHIPPED TO Severn Trent Laboratories

COMMENTS Landfill 2

SAMPLER PD OBSERVER MK

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
HW=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
HS=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 202

LOCATION. NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU 31

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU31 002-01

DATE: 6-8-99 TIME: 815

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH: 0

END DEPTH: 6"

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060899

TRIP BLANK (TB) TB060899

WYDO 16 BBD

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS App. IX
4oz Jar	1	4°C	SW6010/7000 7471A	Metals + Mercury
4oz Jar	1	4°C	SW8270C, TX1005	SVOCs + Petroleum Hydro
Encore		4°C	SW 8260B	VOCs + cis-1,2-DCE + Freon 113

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 15	COLOR:	
2nd	ODOR:	
	OTHER.	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION N AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS _____

SAMPLER R. D. OBSERVER M. K.

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
WL=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
WS=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 203

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU31

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU31 002-02

DATE: 6-8-99 TIME: 825

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH: 5'

END DEPTH: 7'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060899

TRIP BLANK (TB) TB060899

} w/ AFC001 16 BBD

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS App. IX
4oz Jar	1	4°C	SW6010/7000 7471A	Metals + Mercury
4oz Jar	1	4°C	SW8270C, TX1005	SVOCs + Petroleum Hydr
Encore	3	4°C	SW 8260B	VOCs + cis 1,2-DCE + Freon 113

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 9.3	COLOR	
2nd	ODOR.	
	OTHER	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION N AMBIENT TEMPERATURE 95°F

SHIPMENT VIA FED-X X HAND DELIVER ___ COURIER ___ OTHER ___

SHIPPED TO Severn Trent Laboratories

COMMENTS _____

SAMPLER P. D. OBSERVER M. K

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 204

LOCATION. NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SW MU31

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU31 002-03

DATE 6-8-99 TIME: 846

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY # _____

BEGINNING DEPTH: 10'

END DEPTH: 12'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060899

TRIP BLANK (TB) TB060899

} w/AFC001 16 BBD

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS App. IX
4oz Jar	1	4°C	SW6010/7000 7471A	Metals + Mercury
4oz Jar	1	4°C	SW8270C, TX1005	SVOCs + Petroleum Hydro
Encore	3	4°C	SW 8260B	VOCs + cis 1,2-DCE + Freon 113

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 7C	COLOR	
2nd	ODOR.	
	OTHER:	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION N AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS _____

SAMPLER P. D. OBSERVER M. K.

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
HL=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
HS=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU31

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU31 002-04

DATE: 6-8-99 TIME: 903

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH: 15'

END DEPTH: 17'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060899

TRIP BLANK (TB) TB060899

} w/ AFC001 16BBD

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS App. IX
4oz Jar	1	4°C	SW6010/7000 7471A	Metals + Mercury
4oz Jar	1	4°C	SW8270C, TX1005	SVOCs + Petroleum Hydro
Encore	3	4°C	SW8260B	VOCs + cis-1,2-DCE + Freon 113

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 5 C	COLOR:	
2nd	ODOR.	
	OTHER	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN ____ WIND DIRECTION N AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER ____ COURIER ____ OTHER ____

SHIPPED TO Severn Trent Laboratories

COMMENTS _____

SAMPLER PD OBSERVER Mk

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 206

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU 61

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU61001-01

DATE: 6-3-99 TIME: 823

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH. 0

END DEPTH. 6"

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060399 (05-FAA)

TRIP BLANK (TB) TB060399 (05-FAA)

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS App. IX
4oz Jar	1	4°C	mod. 8015	Ethylene Glycol
4oz Jar	1	4°C	SW6010A/1000, 7471A	Metals + Mercury
4oz Jar	1	4°C	SW8270C/9045, TX1005	SVOCs, pH, Pet. Hydro.
Encore	1	4°C	SW8260B	VOC, + cis 1,2-DCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 502	COLOR. dark stain	
2nd	ODOR. Petroleum	
	OTHER.	

GENERAL INFORMATION

WEATHER SUN/CLEAR _____ OVERCAST/RAIN _____ WIND DIRECTION — AMBIENT TEMPERATURE 85°F

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS _____

SAMPLER PD OBSERVER MD

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
H=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION NAS Fort Worth JRB, Texas

PROJECT. AFC001-15 BBC

SITE: SWMU 61

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU61001-02

DATE: 6-3-99 TIME: 845

MATRIX TYPE SO

SAMPLING METHOD: DPT

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH: 5'

END DEPTH 7'

GRAB (✓) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE.

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060399 (05-FAA)

TRIP BLANK (TB) TB060399 (05-FAA)

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS App. IX
4oz Jar	1	4°C	mod. 8015	Ethylene Glycol
4oz Jar	1	4°C	SW6010A/1000, 7471A	Metals + Mercury
4oz Jar	1	4°C	SW8270C/9045, TX1005	SVOCs, pH, Pet. Hydro.
Encore	3	4°C	SW8260B	VOC, + cis 1,2-DCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0.4	COLOR	
2nd	ODOR:	
	OTHER:	

GENERAL INFORMATION

WEATHER SUN/CLEAR _____ OVERCAST/RAIN _____ WIND DIRECTION / AMBIENT TEMPERATURE 91°

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS _____

SAMPLER PD OBSERVER MK

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
H=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
H=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 208

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE. SWMU 61

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU61 602-01

DATE: 6-3-99 TIME: 930

MATRIX TYPE: SO

SAMPLING METHOD. DPT

LOT CONTROL #: __ __ __ __

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH. 0

END DEPTH: 6"

GRAB (✓) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060399

TRIP BLANK (TB) TB060399

} 05-FAH

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS App. IX
4oz Jar	1	4°C	mod 8015	Ethylene Glycol
4oz Jar	1	4°C	SW6010A/1000, 7471A	Metals + Mercury
4oz Jar	1	4°C	SW8270C/9045, TX1005	SVOCs, pH, Pet. Hydro.
Encore	3	4°C	SW8260B	VOCs + cis 1,2-DCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0	COLOR.	
2nd	ODOR:	
	OTHER:	

GENERAL INFORMATION

WEATHER SUN/CLEAR _____ OVERCAST/RAIN _____ WIND DIRECTION E AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS _____

SAMPLER PD OBSERVER MK

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
HL=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
HS=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 209

LOCATION. NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU 61

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU61 002-02

DATE: 6-3-99 TIME: 940

MATRIX TYPE: SO

SAMPLING METHOD. DPT

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: ___

BEGINNING DEPTH: 5'

END DEPTH: 7'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) ___

MATRIX SPIKE DUP (SD) ___

FIELD DUP (FD) DUP02 (1200)

AMBIENT BLANK (AB) ___

EQUIPMENT BLANK (EB) EB060399

TRIP BLANK (TB) TB060399

} 05-FAA

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS App. IX
4oz Jar	1	4°C	mod. 8015	Ethylene Glycol
4oz Jar	1	4°C	SW6010A/1000, 7471A	Metals + Mercury
4oz Jar	1	4°C	SW8270C/9045, TX1005	SVOCs, pH, Pet. Hydro.
Encore	3	4°C	SW8260B	VOC, + cis 1,2-DCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0	COLOR:	
2nd	ODOR.	
	OTHER.	

GENERAL INFORMATION

WEATHER SUN/CLEAR ___ OVERCAST/RAIN ___ WIND DIRECTION E AMBIENT TEMPERATURE 91°F

SHIPMENT VIA FED-X X HAND DELIVER ___ COURIER ___ OTHER ___

SHIPPED TO Severn Trent Laboratories

COMMENTS ___

SAMPLER PD OBSERVER MK

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 210

LOCATION NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU 61

SAMPLE INFORMATION

SAMPLE ID: ~~BHGLSWMU61~~ DUP02

DATE: 6-3-99 TIME: 1200 (940)

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH: 5'

END DEPTH: 7'

GRAB (✓) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) BHGLSWMU61002-02

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060399

TRIP BLANK (TB) TB060399

} 05 - FAA

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS App. IX
4oz Jar	1	4°C	mod. 8015	Ethylene Glycol
4oz Jar	1	4°C	SW6010A/1000, 7471A	Metals + Mercury
4oz Jar	1	4°C	SW8270C/9045, TX1005	SVOCs, pH, Pet. Hydro.
Encore	3	4°C	SW8260B	VOC, + 013 1,2-DCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0	COLOR:	
2nd	ODOR.	
	OTHER	

GENERAL INFORMATION

WEATHER SUN/CLEAR _____ OVERCAST/RAIN _____ WIND DIRECTION E AMBIENT TEMPERATURE 91°F

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS _____

SAMPLER PD OBSERVER MK

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU 61

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU61 603-01

DATE: 6-3-99 TIME: 1015

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL # ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: ___

BEGINNING DEPTH: 0

END DEPTH: 6"

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS) ___

MATRIX SPIKE DUP (SD) ___

FIELD DUP (FD) ___

AMBIENT BLANK (AB) ___

EQUIPMENT BLANK (EB) EB060399 * (05-FAA)

TRIP BLANK (TB) TB060399 * (05-FAA)

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS App. IX
4oz Jar	1	4°C	mod 8015	Ethylene Glycol
4oz Jar	1	4°C	SW6010A/1000, 7471A	Metals + Mercury
4oz Jar	1	4°C	SW8270C/9045, TX1005	SVOCs, pH, Pet. Hydro.
Encore	3	4°C	SW8260B	VOC, + cis 1,2-DCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0	COLOR:	
2nd	ODOR:	
	OTHER:	

GENERAL INFORMATION

WEATHER SUN/CLEAR ___ OVERCAST/RAIN ___ WIND DIRECTION E AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER ___ COURIER ___ OTHER ___

SHIPPED TO Severn Trent Laboratories

COMMENTS Asphalt on surface

SAMPLER PD OBSERVER MK

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
L=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
H=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU 61

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU61003-02

DATE: 6-3-99 TIME: 1025

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH. 5'

END DEPTH 7'

GRAB (✓) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060399 * (05-FAA)

TRIP BLANK (TB) TB060399 * (05-FAA)

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS App. IX
4oz Jar	1	4°C	mod 8015	Ethylene Glycol
4oz Jar	1	4°C	SW6010A/1000, 7471A	Metals + Mercury
4oz Jar	1	4°C	SW8270C/9045, TX1005	SVOCs, pH, Pet. Hydro.
Encore	3	4°C	SW8260B	VOCs, + m's 1,2-DCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0	COLOR.	
2nd	ODOR:	
	OTHER:	

GENERAL INFORMATION

WEATHER SUN/CLEAR _____ OVERCAST/RAIN _____ WIND DIRECTION E AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS Asphalt on surface

SAMPLER PD OBSERVER MK

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
[illegible]=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
[illegible]=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 213

LOCATION NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU 61

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU61 004-01

DATE: 6-3-99 TIME 1100

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: •

BEGINNING DEPTH: 0

END DEPTH: 6"

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE.

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060399

TRIP BLANK (TB) TB060399

} 05-FAH

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS App. IX
4oz Jar	1	4°C	mod. 8015	Ethylene Glycol
4oz Jar	1	4°C	SW6010A/1000, 7471A	Metals + Mercury
4oz Jar	1	4°C	SW8270C/9045, TX1005	SVOCs, pH, Pet. Hydro.
Encore	3	4°C	SW8260B	VOC, + cis 1,2-DCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st C	COLOR	
2nd	ODOR:	
	OTHER:	

GENERAL INFORMATION

WEATHER SUN/CLEAR ✓ OVERCAST/RAIN ____ WIND DIRECTION E AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER ____ COURIER ____ OTHER ____

SHIPPED TO Severn Trent Laboratories

COMMENTS Asphalt @ Surface

SAMPLER PD OBSERVER MK

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 214

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU61

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU61004-02

DATE: 6-3-99 TIME: 1110

MATRIX TYPE. SO

SAMPLING METHOD: DPT

LOT CONTROL #: __ __ __ __

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH. 5'

END DEPTH. 7'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE.

MATRIX SPIKE (MS) BHGLSWMU61004-02MS

MATRIX SPIKE DUP (SD) BHGLSWMU61004-02MD

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060399

TRIP BLANK (TB) TB060399

} 05-FAA

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS App. IX
4oz Jar	1	4°C	mod 8015	Ethylene Glycol
4oz Jar	1	4°C	SW6010A/1000, 7471A	Metals + Mercury
4oz Jar	1	4°C	SW8270C/9045, TX1005	SVOCs, pH, Pet. Hydro.
Encore	3	4°C	SW8260B	VOC, + cis 1,2-DCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0	COLOR	
2nd	ODOR:	
	OTHER:	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION E AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS Asphalt @ surface

SAMPLER PD OBSERVER MK

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
H=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 215

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: Swmu 61

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU61 004-02MS

DATE: 6-3-99 TIME: 1116

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL #: __ __ __ __

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY # _____

BEGINNING DEPTH: 5'

END DEPTH: 7'

GRAB (✓) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS) BHGLSWMU61004-02

MATRIX SPIKE DUP (SD) BHGLSWMU61004-02MD

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060399

TRIP BLANK (TB) TB060399

} OT-FAA

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS App. IX
4oz Jar	1	4°C	mod 8015	Ethylene Glycol
4oz Jar	1	4°C	SW6010A/7000, 7471A	Metals + Mercury
4oz Jar	1	4°C	SW8270C/8045, TX1005	SVOCs, pH, Pet. Hydro.
Encore	3	4°C	SW8260B	VOCs, + cis 1,2-DCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0	COLOR	
2nd	ODOR	
	OTHER	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION E AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS Asphalt @ surface

SAMPLER PD OBSERVER MK

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC.

FIELD SAMPLING REPORT

733 216

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: SWMU 61

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU61 004-02MD

DATE: 6-3-99 TIME: 1110

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL #. ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH: 5'

END DEPTH: 7'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) BHGLSWMU61004-02MS

MATRIX SPIKE DUP (SD) BHGLSWMU61004-02.

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060399

TRIP BLANK (TB) TB060399

} OT FAA

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS App. IX
4oz Jar	1	4°C	mod. 8015	Ethylene Glycol
4oz Jar	1	4°C	SW6010A/7000, 7471A	Metals + Mercury
4oz Jar	1	4°C	SW8270C/9045, TX1005	SVOCs, pH, Pet. Hydro.
Encore	3	4°C	SW8260B	VOC, + cis 1,2-DCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0	COLOR	
2nd	ODOR:	
	OTHER	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION E AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS Asphalt @ surface

SAMPLER PD OBSERVER MK

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 217

OCATION· NAS Fort Worth JRB, Texas

PROJECT· AFC001-15 BBC

SITE. SWM461

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU61005-01

DATE: 6-3-99 TIME: 1143

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL #: __ __ __ __

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH· 0

END DEPTH: 6"

GRAB (✓) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060399 } 05 FAA

TRIP BLANK (TB) TB060399

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS App. IX
4oz Jar	1	4°C	mod 8015	Ethylene Glycol
4oz Jar	1	4°C	SW6010B/1000, 7471A	Metals + Mercury
4oz Jar	1	4°C	SW8270C/9045, TX1005	SVOCs, pH, Pet. Hydro.
Encore		4°C	SW8260B	VOCs

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0	COLOR:	
2nd	ODOR:	
	OTHER.	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION E AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS Asphalt @ surface

SAMPLER PD OBSERVER MK

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
H=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 218

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-15 BBC

SITE: Swmu 61

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU61 005-02

DATE: 6-3-99 TIME: 1155

MATRIX TYPE: SO

SAMPLING METHOD: DPT

LOT CONTROL # __ __ __ __

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH: 5

END DEPTH: 7

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060399

TRIP BLANK (TB) TB060399

05-FAA

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS App. IX
4oz Jar	1	4°C	mod. 8015	Ethylene Glycol
4oz Jar	1	4°C	SW6010A/1000, 7471A	Metals + Mercury
4oz Jar	1	4°C	SW8270C/9045, TX1005	SVOCs, pH, Pet Hydro.
Encore	3	4°C	SW8260B	VOC, + cis 1,2-DCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0	COLOR.	
2rd	ODOR	
	OTHER.	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION E AMBIENT TEMPERATURE 90°

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS Asphalt @ surface

SAMPLER PD OBSERVER ML

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
H=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
H=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 219

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-~~16 BBB~~ 15 BBC

SITE: Sl. mw 5 3b

SAMPLE INFORMATION

SAMPLE ID: EB060499

DATE: 6-4-99 TIME: 1500

MATRIX TYPE ~~SO~~ WGRD

SAMPLING METHOD: ~~DPT~~

LOT CONTROL #. ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY # _____

BEGINNING DEPTH ~~—~~

END DEPTH: ~~—~~

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) _____

TRIP BLANK (TB) TB060499

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
40ml	3	HCl	8260B	VOCs + cis, 1-2-DCE
40ml	3	HCl	TX1005	TPH
40ml Amber	2	4°C	8015	Ethylene Glycol
L Amber	2	4°C	8270C	SVOCs + pH

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st	COLOR	
2nd	ODOR	
	OTHER.	

GENERAL INFORMATION

WEATHER SUN/CLEAR _____ OVERCAST/RAIN _____ WIND DIRECTION _____ AMBIENT TEMPERATURE _____

SHIPMENT VIA FED-X __X__ HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS _____

SAMPLER PD OBSERVER MK

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
H=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
H=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 220

LOCATION: NAS Fort Worth JRB, Texas

PROJECT: AFC001-~~16BBB~~ 15 BBC

SITE: _____

SAMPLE INFORMATION

SAMPLE ID: EBCC079

DATE: 6-7-99 TIME: 1535

MATRIX TYPE: ~~SO~~ W

SAMPLING METHOD: ~~DPT~~ PP

LOT CONTROL #: __ __ __ __

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH: _____

END DEPTH. _____

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) 1

TRIP BLANK (TB) TBCC079

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
40ml vials	3	HCl + 4°C	SW8260A	VOCs + cis 1,2-DCE + Freon 113
1L Poly	1	HNO_3 + 4°C	SW6010A/7000, 7471A	Metals + Mercury
1L Amber	2	4°C	SW8270C ~~PAH~~	SVOCs + ~~TPH~~ PD
40ml vials	3	HCl	TX1005	TPH

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st	COLOR:	
2nd	ODOR.	
	OTHER.	

GENERAL INFORMATION

WEATHER SUN/CLEAR _____ OVERCAST/RAIN _____ WIND DIRECTION _____ AMBIENT TEMPERATURE _____

SHIPMENT VIA FED-X __X__ HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS _____

SAMPLER PD OBSERVER MK

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
H=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
H=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 221

LOCATION NAS Fort Worth JRB, Texas

PROJECT: AFC001-~~16 BBB~~ 15 BBC

SITE: _____

SAMPLE INFORMATION

SAMPLE ID: ~~EB06~~ PD TB060995

DATE: 6-9-99 TIME 730

MATRIX TYPE: ~~SO~~ PD W

SAMPLING METHOD. ~~DPT~~ PD

LOT CONTROL # ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY # _____

BEGINNING DEPTH: _____

END DEPTH: _____

GRAB (✓) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060999

TRIP BLANK (TB) _____

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
40ml	2	HCl	SW8260B	DOCs + cis-1,2-DCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st	COLOR	
2nd	ODOR.	
	OTHER.	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION E AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS _____

SAMPLER P.D OBSERVER M. K.

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
[illegible]=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
[illegible]=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

HYDRO GeoLogic Inc.

FIELD SAMPLING REPORT

733 222

LOCATION: NAS Fort Worth

SITE: SWMU 5, 6

PROJECT:

PROJECT NO. AFC001-15 BBC

SAMPLE INFORMATION

SAMPLE ID: TB060499

DATE: 6-4-99 TIME: 730

MATRIX TYPE: W

SAMPLING METHOD: ~~BP~~ Grab

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH: N/A

END DEPTH: N/A

GRAB (x) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD). _____

FIELD DUP (FD): _____

AMBIENT BLANK (AB): _____

EQUIPMENT BLANK (EB): EB060499

TRIP BLANK (TB): TB060499

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
40ml	2	HCl	8260B	VOC's + cis 1,2-DCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st	COLOR:	
	ODOR	
	OTHER.	

pH _____ Temperature _____ Dissolved Oxygen _____ Specific Conductivity _____

GENERAL INFORMATION

WEATHER: SUN/CLEAR _____ OVERCAST/RAIN _____ WIND DIRECTION _____ AMBIENT TEMPERATURE 90 °F

SHIPMENT VIA: FEDEX X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO: STL

COMMENTS: _____

SAMPLER PD OBSERVER mk

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAP/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 223

LOCATION: NAS Fort Worth JRB, Texas

PROJECT. AFC001-~~16 BB~~ EBBC

SITE: _____

SAMPLE INFORMATION

SAMPLE ID: TB060799

DATE: 6-7-99 TIME: 730

MATRIX TYPE: ~~SO~~ W

SAMPLING METHOD ~~DPT~~ Grab

LOT CONTROL # __ __ __ __

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

BEGINNING DEPTH: —

END DEPTH: —

GRAB (χ) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR BLANKS/QC SAMPLES ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB060799

TRIP BLANK (TB) _____

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
40 ml	2	HCl	8260B	VOCs + cis 1,2-DCE + Freon 113

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st	COLOR	
2nd	ODOR.	
	OTHER	

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION _____ AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FED-X X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO Severn Trent Laboratories

COMMENTS _____

SAMPLER P.D OBSERVER M.K

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB/WIPE	BP=BLADDER PUMP

PHASE II

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION: NAS Ft Worth JRB
SITE: BHGLSW MU0500402 (SWMU 5)

PROJECT NAME: WAA Investigation
PROJECT NAME: AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU0500402
DATE: 4/24/00 TIME: 1125

MATRIX TYPE: SO
SAMPLING METHOD:
LOT CONTROL #: 0 1 0 1
(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)
CHAIN-OF-CUSTODY #:

SAMPLE BEG DPETH (FT) 4'
SAMPLE END DPETH (FT) 6'
GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS) —
MATRIX SPIKE DUP (SD) —
FIELD DUP (FD) D0P01
AMBIENT BLANK (AB) —
EQUIPMENT BLANK (EB) EB042400
TRIP BLANK (TB) —

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	1	Cool to 4C/None	(SW6010B)	Barium, Cobalt

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0 ppm	COLOR	
2nd	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)
Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity _____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR (X) OVERCAST/RAIN ____ WIND DIRECTION N AMBIENT TEMPERATURE 75°F
SHIPMENT VIA FEDEX x HAND DELIVER ____ COURIER ____ OTHER ____
SHIPPED TO STL - Chicago
COMMENTS
SAMPLER M Kidwell OBSERVER J Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION: NAS Ft Worth JRB

PROJECT NAME WAA Investigation

SITE BHG-LSWMW05CC04

PROJECT NAME AFC001-15BBC

(SWMU5)

SAMPLE INFORMATION

(1000 Lab)

SAMPLE ID DUP01

DATE 4/24/00 TIME 1125

MATRIX TYPE SO

SAMPLING METHOD

LOT CONTROL #. 0 1 0 1

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

SAMPLE BEG DPETH (FT) 4'

SAMPLE END DPETH (FT) 6'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS) ——

MATRIX SPIKE DUP (SD) ——

FIELD DUP (FD) * BHG-LSWMW05CC02

AMBIENT BLANK (AB) ——

EQUIPMENT BLANK (EB) EB042400

TRIP BLANK (TB) ——

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	1	Cool to 4C/None	(SW6010B)	Barium, Cobalt

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0 ppm	COLOR	
2nd	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity _____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR ✓ OVERCAST/RAIN _____ WIND DIRECTION N AMBIENT TEMPERATURE 75°F

SHIPMENT VIA FEDEX x HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M.K. Cowell OBSERVER J. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 227

LOCATION: NAS Ft Worth JRB

PROJECT NAME WAA Investigation

SITE BHGLSWMU0500S (SWMU5)

PROJECT NAME AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID BHGLSWMU0500502

DATE 4/24/00 TIME 1145

MATRIX TYPE: SO

SAMPLING METHOD: Split Spoon

LOT CONTROL #: 0 1 0 1

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #. _____

SAMPLE BEG DPETH (FT) 4'

SAMPLE END DPETH (FT) 6'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE.

MATRIX SPIKE (MS) —

MATRIX SPIKE DUP (SD) —

FIELD DUP (FD) —

AMBIENT BLANK (AB) —

EQUIPMENT BLANK (EB) EB042400

TRIP BLANK (TB) —

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	1	Cool to 4C/None	(SW6010B)	Arsenic, Barium, Cobalt, Lead

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0 ppm	COLOR	
2nd	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity_____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION N AMBIENT TEMPERATURE 80°F

SHIPMENT VIA FEDEX x HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M. Kalwell OBSERVER J. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 228

LOCATION NAS Ft Worth JRB

SITE. BHGLSWMU0500602 (SWMU5)

PROJECT NAME WAA Investigation

PROJECT NAME AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID BHGLSWMU0500602

DATE. 4/24/00 TIME: 1215

MATRIX TYPE SO

SAMPLING METHOD. Split Spoon

LOT CONTROL #: 0 L 0 1

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY # _____

SAMPLE BEG DPETH (FT) 4'

SAMPLE END DPETH (FT) 6'

GRAB (✓) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) —

MATRIX SPIKE DUP (SD) —

FIELD DUP (FD) —

AMBIENT BLANK (AB) —

EQUIPMENT BLANK (EB) EB042400

TRIP BLANK (TB) —

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	1	Cool to 4C/None	(SW6010B)	Arsenic, Barium, Cobalt, Lead

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0 ppm	COLOR	
2nd	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity_____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR (✓) OVERCAST/RAIN _____ WIND DIRECTION N AMBIENT TEMPERATURE 80°F

SHIPMENT VIA FEDEX x HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M. Kidwell OBSERVER J. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 229

LOCATION. NAS Ft Worth JRB — PROJECT NAME WAA Investigation

SITE BHGLSWMU0600003 — PROJECT NAME AFC001-15BBC

(SWMU 6)

SAMPLE INFORMATION

SAMPLE ID BHGLSWMU0600302 — DATE 4/24/00 TIME 1030

MATRIX TYPE SO

SAMPLING METHOD SPLIT SPOON

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY # ___

SAMPLE BEG DPETH (FT) 4'

SAMPLE END DPETH (FT) 6'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) —

MATRIX SPIKE DUP (SD) —

FIELD DUP (FD) —

AMBIENT BLANK (AB) —

EQUIPMENT BLANK (EB) FB042400

TRIP BLANK (TB) ___

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	1	Cool to 4C/None	(SW6010B)	Arsenic, Barium Cobalt, Lead

NOTABLE OBSERVATIONS

PID READINGS: 1st 0 ppm; 2nd

SAMPLE CHARACTERISTICS: COLOR; ODOR; OTHER

MISCELLANEOUS

pH ___ Temperature ___(C) Dissolved Oxygen ___(mg/L) Specific Conductivity ___(umhos/cm)

Iron ___(mg/L) Oxidation/Reduction Potential ___(mv) Turbidity ___ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR (X) OVERCAST/RAIN ___ WIND DIRECTION N AMBIENT TEMPERATURE 70°F

SHIPMENT VIA FEDEX (X) HAND DELIVER ___ COURIER ___ OTHER ___

SHIPPED TO STL - Chicago

COMMENTS ___

SAMPLER M. Kidwell OBSERVER J. Wilson

MATRIX TYPE CODES

DC=DRILL CUTTINGS; SL=SLUDGE; WG=GROUND WATER; SO=SOIL; LH=HAZARDOUS LIQUID WASTE; GS=SOIL GAS; SH=HAZRDOUS SOLID WASTE; WS=SURFACE WATER; SE=SEDIMENT; SW=SWAB/WIPE

SAMPLING METHOD CODES

B=BAILER; G=GRAB; BP=BLADDER PUMP; HA=HAND AUGER; BR=BRASS RING; H=HOLLOW STEM AUGER; CS=COMPOSITE SAMPLE; HP=HYDRO PUNCH; C=CONTINUOUS FLIGHT AUGER; SS=SPLIT SPOON; DT=DRIVEN TUBE; SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 230

LOCATION NAS Ft Worth JRB PROJECT NAME WAA Investigation

SITE BHGLSwmu06004 (SWMU6) PROJECT NAME AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID BHGLSWMU0600402 DATE: 4/24/00 TIME: 1055

MATRIX TYPE. SO

SAMPLING METHOD Split Spoon

LOT CONTROL #: 0 1 0 1

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

SAMPLE BEG DPETH (FT) 4'

SAMPLE END DPETH (FT) 6'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) —

MATRIX SPIKE DUP (SD) —

FIELD DUP (FD) DuPO2

AMBIENT BLANK (AB) —

EQUIPMENT BLANK (EB) EB042400

TRIP BLANK (TB) —

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	1	Cool to 4C/None	(SW6010B)	Arsenic, Barium, Cobalt, Lead

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0 ppm	COLOR	
2nd	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity _____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION N AMBIENT TEMPERATURE 70°F

SHIPMENT VIA FEDEX x HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M Kidwell OBSERVER J. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 231

LOCATION: NAS Ft Worth JRB

PROJECT NAME WAA Investigation

SITE: BHG-LSW MW06 004

PROJECT NAME AFC001-15BBC

(SW MW6)

SAMPLE INFORMATION

(9 co Lab)

SAMPLE ID DUP02

DATE: 4/24/00 TIME: 1055

MATRIX TYPE: SO

SAMPLING METHOD Split spoon

LOT CONTROL #: 0 1 0 1

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

SAMPLE BEG DPETH (FT) 4'

SAMPLE END DPETH (FT) 6'

GRAB (✓) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) —

MATRIX SPIKE DUP (SD) —

FIELD DUP (FD) X

AMBIENT BLANK (AB) —

EQUIPMENT BLANK (EB) EB042400

TRIP BLANK (TB) —

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	1	Cool to 4C/None	(SW6010B)	Arsenic, Barium, Cobalt, Lead

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0 ppm	COLOR	
2nd	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity _____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR ✓ OVERCAST/RAIN _____ WIND DIRECTION N AMBIENT TEMPERATURE 70°F

SHIPMENT VIA FEDEX ✓ HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M. Kidwell OBSERVER J Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 232

LOCATION: NAS Ft Worth JRB PROJECT NAME WAA Investigation

SITE BHGLSWMU12004 PROJECT NAME AFC001-15BBC

(SWMU 12)

SAMPLE INFORMATION

1250

SAMPLE ID BHGLSWMU1200402 DATE 4/28/00 TIME ~~1305~~

MATRIX TYPE SO

SAMPLING METHOD: Split Spoon

LOT CONTROL # ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

SAMPLE BEG DPETH (FT) 4'

SAMPLE END DPETH (FT) 6'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB042800

TRIP BLANK (TB) TB042800

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	4	Cool to 4C/None	(1131 ZHE, SPLP)	Benzene
4 oz Jar	2	Cool to 4C/None	(1311, SPLP)	TPH
5g Encore	3	Cool to 4C/None	(SW8260B)	Benzene
4 oz Jar	1	Cool to 4C/None	(TX1005)	TPH

NOTABLE OBSERVATIONS

PID READINGS		SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st	384 ppm	COLOR	
2nd		ODOR	
		OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity_____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION E AMBIENT TEMPERATURE 80°F

SHIPMENT VIA FEDEX x HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M. Kidwell OBSERVER J. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION: NAS Ft Worth JRB PROJECT NAME WAA Investigation

SITE BHGLSWMU1200403 PROJECT NAME AFC001-15BBC

(SWMU 12)

SAMPLE INFORMATION

SAMPLE ID BHGLSWMU1200403 DATE: 4/28/00 TIME: 1305

MATRIX TYPE: SO

SAMPLING METHOD: Split Spoon

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY # _____

SAMPLE BEG DPETH (FT) 8 /

SAMPLE END DPETH (FT) 11

GRAB (✓) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) ——

MATRIX SPIKE DUP (SD) ——

FIELD DUP (FD) ——

AMBIENT BLANK (AB) ——

EQUIPMENT BLANK (EB) FB042800

TRIP BLANK (TB) TB042800

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	4	Cool to 4C/None	(1131 ZHE, SPLP)	Benzene
4 oz Jar	1	Cool to 4C/None	(SW6010B)	Arsenic
5g Encore	3	Cool to 4C/None	(SW8260B)	Benzene

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st Ø ppm	COLOR	
2nd	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity_____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR ✓ OVERCAST/RAIN _____ WIND DIRECTION E AMBIENT TEMPERATURE 80°F

SHIPMENT VIA FEDEX x HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M. Kidwell OBSERVER J. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION. NAS Ft Worth JRB

PROJECT NAME WAA Investigation

SITE BHGLSWMU12005 (SWMU 12)

PROJECT NAME AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID BHGLSWMU1200501

DATE. 4/28/00 TIME: 930

MATRIX TYPE. SO

SAMPLING METHOD Split spoon

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

SAMPLE BEG DPETH (FT) 0'

SAMPLE END DPETH (FT) 3'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE.

MATRIX SPIKE (MS) ——

MATRIX SPIKE DUP (SD) ——

FIELD DUP (FD) ——

AMBIENT BLANK (AB) ——

EQUIPMENT BLANK (EB) EB042800

TRIP BLANK (TB) _____

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	~~1~~	Cool to 4 C/None	(1131, SPLP)	Indeno(1,2,3-c,d)pyrene/Benzo *
4 oz Jar	1	Cool to 4C/None	(SW6010B)	Cadmium, Lead
4 oz Jar	~~1~~	Cool to 4 C/None	(SW8270C)	Indeno(1,2,3-c,d)pyrene/Benzo *

* See Chain

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0 ppm	COLOR	
2nd	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity_____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR ✓ OVERCAST/RAIN _____ WIND DIRECTION None AMBIENT TEMPERATURE 70°F

SHIPMENT VIA FEDEX x HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M. Kidwell OBSERVER J. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 235

LOCATION. NAS Ft Worth JRB

PROJECT NAME WAA Investigation

SITE. BHGLSWMU12005 (SWMU 12)

PROJECT NAME AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID BHGLSWMU1200502

DATE: 4/28/00 TIME: 940

MATRIX TYPE: SO

SAMPLING METHOD: Split Spoon

LOT CONTROL # ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY # _____

SAMPLE BEG DPETH (FT) 4'

SAMPLE END DPETH (FT) 6'

GRAB ( ) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) —

MATRIX SPIKE DUP (SD) —

FIELD DUP (FD) —

AMBIENT BLANK (AB) —

EQUIPMENT BLANK (EB) EB042800

TRIP BLANK (TB) TB042800

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	~~1~~	Cool to 4 C/None	(1131, SPLP)	Indeno(1,2,3-c,d)pyrene/Benzo *
4 oz Jar	~~1~~	Cool to 4 C/None	(SW8270C)	Indeno(1,2,3-c,d)pyrene/Benzo *

(see chain)

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0 ppm	COLOR	
2nd	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity_____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION _____ AMBIENT TEMPERATURE 75°F

SHIPMENT VIA FEDEX x HAND DELIVER ____ COURIER ____ OTHER ____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M. Kidwell OBSERVER J. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 236

LOCATION: NAS Ft Worth JRB — PROJECT NAME: WAA Investigation

SITE: BHGLSWMU2006 (SWMU 12) — PROJECT NAME: AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU1200601 — DATE: 4/28/00 TIME: 1145

MATRIX TYPE: SO

SAMPLING METHOD: Split Spoon

LOT CONTROL #: ___ ___ ___ ___
(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

SAMPLE BEG DPETH (FT) 0'
SAMPLE END DPETH (FT) 2'
GRAB (✓) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS) ——
MATRIX SPIKE DUP (SD) ——
FIELD DUP (FD) DUP04
AMBIENT BLANK (AB) ——
EQUIPMENT BLANK (EB) EB042800
TRIP BLANK (TB) TB042800

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	1	Cool to 4C/None	(SW6010B)	Cadmium, Lead

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0 ppm	COLOR	
2nd	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)
Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity _____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR (✓) OVERCAST/RAIN ____ WIND DIRECTION None AMBIENT TEMPERATURE 80°F

SHIPMENT VIA FEDEX x HAND DELIVER ____ COURIER ____ OTHER ____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M. Kidwell OBSERVER J. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 237

LOCATION. NAS Ft Worth JRB

PROJECT NAME WAA Investigation

SITE: BHGLSWMU12006 (SWMU12)

PROJECT NAME AFC001-15BBC

SAMPLE INFORMATION

(1400 Lab)

SAMPLE ID DUP04

DATE: 4/28/00 TIME: 1145

MATRIX TYPE: SO

SAMPLING METHOD: Split Spoon

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY # _____

SAMPLE BEG DPETH (FT) 0'

SAMPLE END DPETH (FT) 2'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) ——

MATRIX SPIKE DUP (SD) BHGLSWMU12006D1

FIELD DUP (FD) ↙

AMBIENT BLANK (AB) ——

EQUIPMENT BLANK (EB) EB042800

TRIP BLANK (TB) _____

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	1	Cool to 4C/None	(SW6010B)	Cadmium Lead

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0 ppm	COLOR	
2nd	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity_____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION None AMBIENT TEMPERATURE 80°F

SHIPMENT VIA FEDEX x HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M. Kidwell OBSERVER J. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION: NAS Ft Worth JRB
PROJECT NAME WAA Investigation
SITE: BHGLSWMU1200L
PROJECT NAME AFC001-15BBC
(SWMU 12)

SAMPLE INFORMATION

SAMPLE ID BHGLSWMU1200602
DATE: 4/28/00 TIME: 1155
MATRIX TYPE SO
SAMPLING METHOD: Split Spoon
LOT CONTROL #: ___ ___ ___ ___
(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)
CHAIN-OF-CUSTODY #: _____
SAMPLE BEG DPETH (FT) 4' 4'me
SAMPLE END DPETH (FT) 6' 6'me
GRAB (✓) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE
MATRIX SPIKE (MS) ——
MATRIX SPIKE DUP (SD) ——
FIELD DUP (FD) ——
AMBIENT BLANK (AB) ——
EQUIPMENT BLANK (EB) EB042800
TRIP BLANK (TB) TB042800

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	4	Cool to 4C/None	(1131 ZHE, SPLP)	Benzene
4 oz Jar	2	Cool to 4C/None	(1311, SPLP)	TPH
5g Encore	3	Cool to 4C/None	(SW8260B)	Benzene
4 oz Jar	1	Cool to 4C/None	(TX1005)	TPH

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 8 ppm	COLOR	
2nd	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)
Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity_____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR ✓ OVERCAST/RAIN _____ WIND DIRECTION None AMBIENT TEMPERATURE 80°F
SHIPMENT VIA FEDEX ✓ HAND DELIVER _____ COURIER _____ OTHER _____
SHIPPED TO STL - Chicago
COMMENTS _____
SAMPLER M. Kidwell OBSERVER J. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION: NAS Ft Worth JRB PROJECT NAME WAA Investigation

SITE: BHGLSWMU1200 6 (SWMU12) PROJECT NAME AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID BHGLSWMU1200603 DATE: 4/28/00 TIME: 1215

MATRIX TYPE: SO

SAMPLING METHOD: Split spoon

LOT CONTROL #. __ __ __ __

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY # _____

SAMPLE BEG DPETH (FT) 8'

SAMPLE END DPETH (FT) 11'

GRAB (✓) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) ——

MATRIX SPIKE DUP (SD) ——

FIELD DUP (FD) ——

AMBIENT BLANK (AB) ——

EQUIPMENT BLANK (EB) EB042800

TRIP BLANK (TB) TB042800

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	1	Cool to 4C/None	(1131 ZHE, SPLP)	Benzene, Vinyl chloride
4 oz Jar	1	Cool to 4C/None	(SW6010B)	Arsenic
5 g Encore	3	Cool to 4C/None	(SW8260B)	Benzene, Vinyl chloride

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0 ppm	COLOR	
2nd	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity_____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR ✓ OVERCAST/RAIN _____ WIND DIRECTION E AMBIENT TEMPERATURE 80°F

SHIPMENT VIA FEDEX x HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M. Kidwell OBSERVER J Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 240

LOCATION: NAS Ft Worth JRB
SITE: BHGLSWMU12007 (SWMU12)

PROJECT NAME: WAA Investigation
PROJECT NAME: AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU1200701

DATE: 4/28/00 TIME: 1045

MATRIX TYPE: SO

SAMPLING METHOD: Split Spoon

LOT CONTROL #: ___ ___ ___ ___
(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

SAMPLE BEG DPETH (FT): 0'
SAMPLE END DPETH (FT): 2'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS): ——
MATRIX SPIKE DUP (SD): ——
FIELD DUP (FD): ——
AMBIENT BLANK (AB): ——
EQUIPMENT BLANK (EB): EB042800
TRIP BLANK (TB): TB042800

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	1	Cool to 4C/None	(SW6010B)	Cadmium, Lead

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0 ppm	COLOR	
2nd 0	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity _____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR (X) OVERCAST/RAIN ____ WIND DIRECTION None AMBIENT TEMPERATURE 75°F

SHIPMENT VIA FEDEX x HAND DELIVER ____ COURIER ____ OTHER ____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M. Kidwell OBSERVER J. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 241

LOCATION NAS Ft Worth JRB PROJECT NAME WAA Investigation

SITE: BHGLSWMU12007 (SWMU12) PROJECT NAME AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID BHGLSWMU1200702 DATE: 4/28/00 TIME. 1100

MATRIX TYPE: SO

SAMPLING METHOD: Split Spoon

LOT CONTROL #. ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #. _____

SAMPLE BEG DPETH (FT) 4'

SAMPLE END DPETH (FT) 6'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) ——

MATRIX SPIKE DUP (SD) ——

FIELD DUP (FD) ——

AMBIENT BLANK (AB) ——

EQUIPMENT BLANK (EB) EB042800

TRIP BLANK (TB) TB042800

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	~~4~~ 1	Cool to 4C/None	(1131 ZHE, SPLP)	Benzene (SPLP)
4 oz Jar	~~2~~ 1	Cool to 4C/None	(1311, SPLP)	TPH (SPLP)
5g Encore	3	Cool to 4C/None	(SW8260B)	Benzene
4 oz Jar	1	Cool to 4C/None	(TX1005)	TPH

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0 ppm	COLOR	
2nd	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity_____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR (X) OVERCAST/RAIN ____ WIND DIRECTION None AMBIENT TEMPERATURE 75°F

SHIPMENT VIA FEDEX (x) HAND DELIVER ____ COURIER ____ OTHER ____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M. Kidwell OBSERVER J. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 242

LOCATION: NAS Ft Worth JRB PROJECT NAME WAA Investigation

SITE BHGLSWMU12007 PROJECT NAME AFC001-15BBC

(SWMU 12)

SAMPLE INFORMATION

SAMPLE ID BHGLSWMU1200703 DATE: 4/28/00 TIME 11.15

MATRIX TYPE SO

SAMPLING METHOD: Split Spoon

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #. _____

SAMPLE BEG DPETH (FT) 8'

SAMPLE END DPETH (FT) 11'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) ——

MATRIX SPIKE DUP (SD) ——

FIELD DUP (FD) ——

AMBIENT BLANK (AB) ——

EQUIPMENT BLANK (EB) EB042800

TRIP BLANK (TB) TB042800

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	1	Cool to 4C/None	(1131 ZHE, SPLP)	Benzene, Vinyl chloride (SPLP)
4 oz Jar	1	Cool to 4C/None	(SW6010B)	Arsenic
5 g Encore	3	Cool to 4C/None	(SW8260B)	Benzene, Vinyl chloride

NOTABLE OBSERVATIONS

PID READINGS		SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0 ppm		COLOR	
2nd		ODOR	
		OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity_____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION None AMBIENT TEMPERATURE 75°F

SHIPMENT VIA FEDEX x HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M. Kidwell OBSERVER J. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 243

LOCATION. NAS Ft Worth JRB

PROJECT NAME WAA Investigation

SITE: Swmu - 12

PROJECT NAME AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID WHGLTA028-01

DATE: 5/16/00 TIME: 941

MATRIX TYPE: SO

SAMPLING METHOD:

LOT CONTROL #. ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

SAMPLE BEG DPETH (FT) 0'

SAMPLE END DPETH (FT) 2'

GRAB (✓) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD). _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) _____

TRIP BLANK (TB) _____

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	1	Cool to 4C/None	(SW6010B)	Cadmium, Lead

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st >2000 ppm (suspicious)	COLOR dk Brn	clay fill beneath concrete
2nd	ODOR Slight	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity _____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR _____ OVERCAST/RAIN _____ WIND DIRECTION _____ AMBIENT TEMPERATURE _____

SHIPMENT VIA FEDEX __x__ HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS Normal turnaround time

SAMPLER K. Duran OBSERVER B. Nelson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 244

LOCATION: NAS Ft Worth JRB

SITE: SWMU - 12

PROJECT NAME: WAA Investigation

PROJECT NAME: AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID: WHGLTA028-02

DATE: 5/16/02 TIME: 845

MATRIX TYPE: SO

SAMPLING METHOD

LOT CONTROL # ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

SAMPLE BEG DPETH (FT) 5'

SAMPLE END DPETH (FT) 7'

GRAB (✓) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) _____

TRIP BLANK (TB) _____

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	4	Cool to 4C/None	(1131 ZHE, SPLP)	Benzene
4 oz Jar	2	Cool to 4C/None	(1311, SPLP)	TPH
5g Encore	3	Cool to 4C/None	(SW8260B)	Benzene
4 oz Jar	1	Cool to 4C/None	(TX1005)	TPH

NOTABLE OBSERVATIONS

PID READINGS		SAMPLE CHARACTERISTICS		MISCELLANEOUS
1st	NA	COLOR	brn	Sandy Silt
2nd		ODOR	Slight	
		OTHER		

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity _____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR _____ OVERCAST/RAIN _____ WIND DIRECTION _____ AMBIENT TEMPERATURE _____

SHIPMENT VIA FEDEX __x__ HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS Normal turnaround time

SAMPLER K. Doran OBSERVER B. Nelson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

733 215

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION. NAS Ft Worth JRB — PROJECT NAME WAA Investigation

SITE: Swmu - 12 — PROJECT NAME AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID WHGLTA028-03 — DATE: 5/10/00 — TIME. 909

MATRIX TYPE: SO

SAMPLING METHOD:

LOT CONTROL # ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #. _____

SAMPLE BEG DPETH (FT) 10'

SAMPLE END DPETH (FT) 12'

GRAB (✓) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) _____

TRIP BLANK (TB) _____

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	4	Cool to 4C/None	(1131 ZHE, SPLP)	Vinyl Chloride, Benzene
4 oz Jar	1	Cool to 4C/None	(SW6010B)	Arsenic
5gEncore	3	Cool to 4C/None	(SW8260B)	Vinyl Chloride, Benzene

NOTABLE OBSERVATIONS

PID READINGS		SAMPLE CHARACTERISTICS		MISCELLANEOUS
1st	NA	COLOR	gray/white	friable sand
2nd		ODOR	none	
		OTHER		

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity_____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR _____ OVERCAST/RAIN _____ WIND DIRECTION _____ AMBIENT TEMPERATURE _____

SHIPMENT VIA FEDEX __x__ HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS Normal turnaround time

SAMPLER K. Dyron — OBSERVER B. Nichols

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

735 246

LOCATION. NAS Ft Worth JRB

PROJECT NAME WAA Investigation

SITE BHGLSWMU31003 (SWMU31)

PROJECT NAME AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID BHGLSWMU3100301

DATE 4/25/00 TIME 1440

MATRIX TYPE SO

SAMPLING METHOD Split Spoon / Encore

LOT CONTROL # ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY # _____

SAMPLE BEG DPETH (FT) 0'

SAMPLE END DPETH (FT) 2'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS) —

MATRIX SPIKE DUP (SD) —

FIELD DUP (FD) —

AMBIENT BLANK (AB) —

EQUIPMENT BLANK (EB) EB042500

TRIP BLANK (TB) TB042500

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	1	Cool to 4C/None	(1311 ZHE, SPLP)	Benzene, Methyl Ethyl Ketone
4 oz Jar	1	Cool to 4C/None	(SW6010B)	Cadmium, Lead
5 g Encore	3	Cool to 4C/None	(SW8260B)	Benzene, Methyl Ethyl Ketone

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0 ppm	COLOR	
2nd	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity_____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION NE AMBIENT TEMPERATURE 80°F

SHIPMENT VIA FEDEX x HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M K. Dwell OBSERVER J. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 247

LOCATION: NAS Ft Worth JRB

SITE: BHGLSWMU 31004

PROJECT NAME: WAA Investigation

PROJECT NAME: AFC001-15BBC

(SWMU 31)

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU3100401

DATE: 4/25/00 TIME: 1430

MATRIX TYPE: SO

SAMPLING METHOD: Split Spoon/Encore

LOT CONTROL #. ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY # _____

SAMPLE BEG DPETH (FT) 0'

SAMPLE END DPETH (FT) 2'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) —

MATRIX SPIKE DUP (SD) —

FIELD DUP (FD) —

AMBIENT BLANK (AB) —

EQUIPMENT BLANK (EB) EB042500

TRIP BLANK (TB) TB042500

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	1	Cool to 4C/None	(1311 ZHE, SPLP)	Benzene, Methyl Ethyl Ketone
4 oz Jar	1	Cool to 4C/None	(SW6010B)	Cadmium, Lead
5 g Encore	3	Cool to 4C/None	(SW8260B)	Benzene, Methyl Ethyl Ketone

NOTABLE OBSERVATIONS

PID READINGS		SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st	0 ppm	COLOR	
2nd	"	ODOR	
		OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity _____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION NE AMBIENT TEMPERATURE 80°F

SHIPMENT VIA FEDEX x HAND DELIVER ___ COURIER ___ OTHER ___

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M. Kidwell OBSERVER J. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 248

LOCATION: NAS Ft Worth JRB — PROJECT NAME: WAA Investigation

SITE: BHGLSWMU3100S (SWMU31) — PROJECT NAME: AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU3100501 — DATE: 4/25/00 TIME: 1455

MATRIX TYPE: SO

SAMPLING METHOD: Split Spoon ~~Lenin~~

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

SAMPLE BEG DPETH (FT): 0'

SAMPLE END DPETH (FT): 2'

GRAB (Y) COMPOSITE (N)

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS): —

MATRIX SPIKE DUP (SD): —

FIELD DUP (FD): —

AMBIENT BLANK (AB): —

EQUIPMENT BLANK (EB): EB042500

TRIP BLANK (TB): TB042500

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	1	Cool to 4C/None	(SW6010B/7471A)	arium, Cadmium, Chromium (total), Lead, Mercur

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0 ppm	COLOR	
2nd	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity _____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR ✓ OVERCAST/RAIN _____ WIND DIRECTION NE AMBIENT TEMPERATURE 80°F

SHIPMENT VIA FEDEX x HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M. Kidwell OBSERVER J. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 249

LOCATION: NAS Ft Worth JRB

PROJECT NAME WAA Investigation

SITE: BHGLSWMU3100G (SWMU31)

PROJECT NAME AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID BHGLSWMU3100601

DATE: 4/25/00 TIME: 1520

MATRIX TYPE: SO

SAMPLING METHOD Splitspoon

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #. _____

SAMPLE BEG DPETH (FT) 0'

SAMPLE END DPETH (FT) 2'

GRAB (✓) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS) —

MATRIX SPIKE DUP (SD) —

FIELD DUP (FD) —

AMBIENT BLANK (AB) —

EQUIPMENT BLANK (EB) EB042500

TRIP BLANK (TB) TB042500

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	1	Cool to 4C/None	(SW6010B/7471A)	arium, Cadmium, Chromium (total), Lead, Mercur

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0 ppm	COLOR	
2nd	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity_____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR (✓) OVERCAST/RAIN ____ WIND DIRECTION NE AMBIENT TEMPERATURE 80°F

SHIPMENT VIA FEDEX x HAND DELIVER ____ COURIER ____ OTHER ____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M. Kidwell OBSERVER J. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic Inc

FIELD SAMPLING REPORT

733 250

LOCATION. NAS Ft Worth JRB — PROJECT NAME WAA Investigation

SITE: BHGLSWMU61006 (SWMU 61) — PROJECT NAME AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID BHGLSWMU6100601 — DATE 4/28/00 TIME 1500

MATRIX TYPE: SO

SAMPLING METHOD: Split Spoon

LOT CONTROL #. ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

SAMPLE BEG DPETH (FT) 0'

SAMPLE END DPETH (FT) 2'

GRAB (✓) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS) —

MATRIX SPIKE DUP (SD) —

FIELD DUP (FD) —

AMBIENT BLANK (AB) —

EQUIPMENT BLANK (EB) EB042800

TRIP BLANK (TB) TB042800

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	2	Cool to 4 C/None	(1311, SPLP)	Tetrachloroethene (PCE)
5 g Encore	3	Cool to 4 C/None	(SW8260B)	Tetrachloroethene (PCE)

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0 ppm	COLOR	
2nd 0 ppm	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity_____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR ✓ OVERCAST/RAIN _____ WIND DIRECTION _____ AMBIENT TEMPERATURE 85°F

SHIPMENT VIA FEDEX x HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M. Kidwell OBSERVER J. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

733 251

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION: NAS Ft Worth JRB — PROJECT NAME: WAA Investigation

SITE: BHGLSWMU6100602 (SWMU 61) — PROJECT NAME: AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU6100602 — DATE: 4/28/00 TIME: 1515

MATRIX TYPE: SO

SAMPLING METHOD: Split Spoon

LOT CONTROL #. ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #. ___

SAMPLE BEG DPETH (FT) 4'

SAMPLE END DPETH (FT) 6'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) ___

MATRIX SPIKE DUP (SD) ___

FIELD DUP (FD) ___

AMBIENT BLANK (AB) ___

EQUIPMENT BLANK (EB) EB042800

TRIP BLANK (TB) TB042800

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	2	Cool to 4 C/None	(1311, SPLP)	Tetrachloroethene (PCE)
5 g Encore	3	Cool to 4 C/None	(SW8260B)	Tetrachloroethene (PCE)

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0 ppm	COLOR	
2nd	ODOR	
	OTHER	

pH ___ Temperature ___(C) Dissolved Oxygen ___(mg/L) Specific Conductivity ___(umhos/cm)

Iron ___(mg/L) Oxidation/Reduction Potential ___(mv) Turbidity ___ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN ___ WIND DIRECTION ___ AMBIENT TEMPERATURE 85°F

SHIPMENT VIA FEDEX x HAND DELIVER ___ COURIER ___ OTHER ___

SHIPPED TO STL - Chicago

COMMENTS ___

SAMPLER M. Kidwell OBSERVER J. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

733 252

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION	NAS Ft Worth JRB	PROJECT NAME	WAA Investigation
SITE.	BHGLSWMU6100701 (SWMU 61)	PROJECT NAME	AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID BHGLSWMU6100701

DATE. 4/28/02 TIME: 1525

MATRIX TYPE SO

SAMPLING METHOD. Split Spoon

LOT CONTROL #. ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

SAMPLE BEG DPETH (FT) 0'

SAMPLE END DPETH (FT) 2'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE.

MATRIX SPIKE (MS) ——

MATRIX SPIKE DUP (SD) ——

FIELD DUP (FD) ——

AMBIENT BLANK (AB) ——

EQUIPMENT BLANK (EB) EB042800

TRIP BLANK (TB) TB042800

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	2	Cool to 4 C/None	(1311, SPLP)	Tetrachloroethene (PCE)
5 g Encore	3	Cool to 4 C/None	(SW8260B)	Tetrachloroethene (PCE)

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0 ppm	COLOR	
2nd	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity_____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION _____ AMBIENT TEMPERATURE 85°F

SHIPMENT VIA FEDEX X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M. Kowell OBSERVER J. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION: NAS Ft Worth JRB — PROJECT NAME: WAA Investigation

SITE: BHGLSWMU6100702 (SWMU 61) — PROJECT NAME: AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU6100702 — DATE: 4/28/00 TIME: 1535

MATRIX TYPE: SO

SAMPLING METHOD: Split Spoon

LOT CONTROL # ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

SAMPLE BEG DPETH (FT): 4'

SAMPLE END DPETH (FT): 6'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS): —

MATRIX SPIKE DUP (SD): —

FIELD DUP (FD): —

AMBIENT BLANK (AB): —

EQUIPMENT BLANK (EB): EB042800

TRIP BLANK (TB): TB042800

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	2	Cool to 4 C/None	(1311, SPLP)	Tetrachloroethene (PCE)
5 g Encore	3	Cool to 4 C/None	(SW8260B)	Tetrachloroethene (PCE)

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0 ppm	COLOR	
2nd	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity _____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR (X) OVERCAST/RAIN ___ WIND DIRECTION ___ AMBIENT TEMPERATURE 85°F

SHIPMENT VIA FEDEX (X) HAND DELIVER ___ COURIER ___ OTHER ___

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M. Kidwell OBSERVER J. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 254

LOCATION: NAS Ft Worth JRB PROJECT NAME WAA Investigation

SITE BHGLSWMU6100801 PROJECT NAME AFC001-15BBC

(SWMU61)

SAMPLE INFORMATION

SAMPLE ID BHGLSWMU6100801 DATE: 4/24/00 TIME: 1610

MATRIX TYPE: SO

SAMPLING METHOD: Split Spoon

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

SAMPLE BEG DPETH (FT) 0

SAMPLE END DPETH (FT) 2'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) BHGLSWMU6100801MS

MATRIX SPIKE DUP (SD) BHGLSWMU6100801MSD

FIELD DUP (FD) ——

AMBIENT BLANK (AB) ——

EQUIPMENT BLANK (EB) EB042800

TRIP BLANK (TB) TB042800

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	2	Cool to 4 C/None	(1311, SPLP)	Tetrachloroethene (PCE)
5 g Encore	3	Cool to 4 C/None	(SW8260B)	Tetrachloroethene (PCE)

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0 ppm	COLOR	
2nd	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity_____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR 6 OVERCAST/RAIN _____ WIND DIRECTION _____ AMBIENT TEMPERATURE 85°F

SHIPMENT VIA FEDEX x HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M. Kidwell OBSERVER J. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 255

LOCATION: NAS Ft Worth JRB — PROJECT NAME: WAA Investigation

SITE: BHGLSWMU61008 — PROJECT NAME: AFC001-15BBC

(SWMU61)

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU6100801MS — DATE: 4/28/00 — TIME: 1610

MATRIX TYPE: SO

SAMPLING METHOD: Split Spoon

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

SAMPLE BEG DPETH (FT): 0

SAMPLE END DPETH (FT): 2

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS): * BHGLSWMU6100801

MATRIX SPIKE DUP (SD): BHGLSWMU6100801MS

FIELD DUP (FD): —

AMBIENT BLANK (AB): —

EQUIPMENT BLANK (EB): EB042800

TRIP BLANK (TB): TB042800

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
5 g Encore	3	Cool to 4 C/None	(SW8260B)	Tetrachloroethene (PCE)

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0 ppm	COLOR	
2nd	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity _____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR (X) OVERCAST/RAIN ____ WIND DIRECTION ____ AMBIENT TEMPERATURE 85°F

SHIPMENT VIA FEDEX (X) HAND DELIVER ____ COURIER ____ OTHER ____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M. Kidwell — OBSERVER J. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION	NAS Ft Worth JRB	PROJECT NAME	WAA Investigation
SITE: BHGLSWMU6100SE (SWMU61)		PROJECT NAME	AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU6100801MSD

DATE: 4/28/00 TIME: 1610

MATRIX TYPE: SO

SAMPLING METHOD: Split Spoon

LOT CONTROL # ___ ___ ___ ___
(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

SAMPLE BEG DPETH (FT) 0 '

SAMPLE END DPETH (FT) 2 '

GRAB (✓) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) BHGLSWMU6100801MS

MATRIX SPIKE DUP (SD) * BHGLSWMU61080 1

FIELD DUP (FD) ——

AMBIENT BLANK (AB) ——

EQUIPMENT BLANK (EB) EB042800

TRIP BLANK (TB) TB042800

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
5 g Encore	3	Cool to 4 C/None	(SW8260B)	Tetrachloroethene (PCE)

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0 ppm	COLOR	
2nd "	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity _____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR (✓) OVERCAST/RAIN ____ WIND DIRECTION ____ AMBIENT TEMPERATURE 85°F

SHIPMENT VIA FEDEX x HAND DELIVER ____ COURIER ____ OTHER ____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M Kidwell OBSERVER J. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 257

LOCATION. NAS Ft Worth JRB

PROJECT NAME WAA Investigation

SITE: BHGLSWMU61008 (SWMU 61)

PROJECT NAME AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID BHGLSWMU6100802

DATE 4/28/00 TIME: 1630

MATRIX TYPE: SO

SAMPLING METHOD: Split Spoon

LOT CONTROL # ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #. _____

SAMPLE BEG DPETH (FT) 4'

SAMPLE END DPETH (FT) 6'

GRAB (✓) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS) —

MATRIX SPIKE DUP (SD) —

FIELD DUP (FD) —

AMBIENT BLANK (AB) —

EQUIPMENT BLANK (EB) EB042800

TRIP BLANK (TB) TB042800

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	21	Cool to 4 C/None	(1311, SPLP)	Tetrachloroethene (PCE)
5 g Encore	3	Cool to 4 C/None	(SW8260B)	Tetrachloroethene (PCE)

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0ppm	COLOR	
2nd	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity_____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR ✓ OVERCAST/RAIN _____ WIND DIRECTION _____ AMBIENT TEMPERATURE 85°F

SHIPMENT VIA FEDEX x HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M. Kidwell OBSERVER J. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 258

LOCATION NAS Ft Worth JRB

PROJECT NAME WAA Investigation

SITE BHGLSWMU6100 9 (SWMU 61)

PROJECT NAME AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID BHGLSWMU6100901

DATE 4/28/00 TIME 1645

MATRIX TYPE: SO

SAMPLING METHOD: Split Spoon

LOT CONTROL #. ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY # _____

SAMPLE BEG DPETH (FT) 0

SAMPLE END DPETH (FT) 2

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) ——

MATRIX SPIKE DUP (SD) ——

FIELD DUP (FD) ——

AMBIENT BLANK (AB) ——

EQUIPMENT BLANK (EB) EB042800

TRIP BLANK (TB) TB042800

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	1	Cool to 4 C/None	(1311, SPLP)	Tetrachloroethene (PCE)
5 g Encore	3	Cool to 4 C/None	(SW8260B)	Tetrachloroethene (PCE)

NOTABLE OBSERVATIONS

PID READINGS		SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st	0 ppm	COLOR	
2nd		ODOR	
		OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity_____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION _____ AMBIENT TEMPERATURE 85°F

SHIPMENT VIA FEDEX x HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M. Kidwell OBSERVER J. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION: NAS Ft Worth JRB — PROJECT NAME: WAA Investigation

SITE: BHGLSWMU6100902 — PROJECT NAME: AFC001-15BBC

(SWMU61)

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU6100902 — DATE: 4/28/00 — TIME: 1655

MATRIX TYPE: SO

SAMPLING METHOD: Split Spoon

LOT CONTROL #. ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #. _____

SAMPLE BEG DPETH (FT) 4'

SAMPLE END DPETH (FT) 6'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) DUP07

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) EB042800

TRIP BLANK (TB) TB042800

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	2	Cool to 4 C/None	(1311, SPLP)	Tetrachloroethene (PCE)
5 g Encore	3	Cool to 4 C/None	(SW8260B)	Tetrachloroethene (PCE)

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0 ppm	COLOR	
2nd	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity _____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR (X) OVERCAST/RAIN _____ WIND DIRECTION _____ AMBIENT TEMPERATURE 85°F

SHIPMENT VIA FEDEX x HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M. Kidwell — OBSERVER J. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 260

LOCATION: NAS Ft Worth JRB

PROJECT NAME WAA Investigation

SITE: BHGLSWMM61009 (SWMM61)

PROJECT NAME AFC001-15BBC

SAMPLE INFORMATION

(Lab 1500)

SAMPLE ID DUP07

DATE _____ TIME: 1655

MATRIX TYPE: SO

SAMPLING METHOD:

LOT CONTROL # __ __ __ __

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY # _____

SAMPLE BEG DPETH (FT) 41

SAMPLE END DPETH (FT) 61

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS) ——

MATRIX SPIKE DUP (SD) ——

FIELD DUP (FD) BHGLSWMM6100902

AMBIENT BLANK (AB) ——

EQUIPMENT BLANK (EB) EB042802

TRIP BLANK (TB) TB042800

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	1	Cool to 4 C/None	(1311, SPLP)	Tetrachloroethene (PCE)
5 g Encore	3	Cool to 4 C/None	(SW8260B)	Tetrachloroethene (PCE)

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 8ppm	COLOR	
2nd	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity _____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR (X) OVERCAST/RAIN _____ WIND DIRECTION _____ AMBIENT TEMPERATURE 85°F

SHIPMENT VIA FEDEX x HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M. Kidwell OBSERVER T. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION: NAS Ft Worth JRB — PROJECT NAME: WAA Investigation

SITE: BHGLSWMU6100 (SWMU61) — PROJECT NAME: AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU6101001 — DATE: 4/28/00 TIME: 1730

MATRIX TYPE: SO

SAMPLING METHOD: Split Spoon

LOT CONTROL # ___ ___ ___ ___
(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY # ___

SAMPLE BEG DPETH (FT): 0'

SAMPLE END DPETH (FT): 2'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS): —

MATRIX SPIKE DUP (SD): —

FIELD DUP (FD): —

AMBIENT BLANK (AB): —

EQUIPMENT BLANK (EB): EB042800

TRIP BLANK (TB): TB042800

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	2	Cool to 4 C/None	(1311, SPLP)	Tetrachloroethene (PCE)
5 g Encore	3	Cool to 4 C/None	(SW8260B)	Tetrachloroethene (PCE)

NOTABLE OBSERVATIONS

PID READINGS: 1st 0 ppm; 2nd

SAMPLE CHARACTERISTICS: COLOR; ODOR; OTHER

MISCELLANEOUS

pH ___ Temperature ___(C) Dissolved Oxygen ___(mg/L) Specific Conductivity ___(umhos/cm)

Iron ___(mg/L) Oxidation/Reduction Potential ___(mv) Turbidity ___ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR (X) OVERCAST/RAIN ___ WIND DIRECTION ___ AMBIENT TEMPERATURE 85°F

SHIPMENT VIA FEDEX x HAND DELIVER ___ COURIER ___ OTHER ___

SHIPPED TO STL - Chicago

COMMENTS ___

SAMPLER M. Kidwell OBSERVER J. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

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HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION NAS Ft Worth JRB PROJECT NAME WAA Investigation

SITE: BHGLSWMU6101002 PROJECT NAME AFC001-15BBC

(SWMU61)

SAMPLE INFORMATION

SAMPLE ID BHGLSWMU6101002 DATE 4/28/00 TIME 1745

MATRIX TYPE SO

SAMPLING METHOD: Split Spoon

LOT CONTROL #. __ __ __ __

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY # _____

SAMPLE BEG DPETH (FT) 4'

SAMPLE END DPETH (FT) 6'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE.

MATRIX SPIKE (MS) ——

MATRIX SPIKE DUP (SD) ——

FIELD DUP (FD) ——

AMBIENT BLANK (AB) ——

EQUIPMENT BLANK (EB) EB 042800

TRIP BLANK (TB) TB042800

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	2	Cool to 4 C/None	(1311, SPLP)	Tetrachloroethene (PCE)
5 g Encore	3	Cool to 4 C/None	(SW8260B)	Tetrachloroethene (PCE)

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st Ø ppm	COLOR	
2nd	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity_____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR (X) OVERCAST/RAIN _____ WIND DIRECTION _____ AMBIENT TEMPERATURE 85°F

SHIPMENT VIA FEDEX __x__ HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M. Kidwell OBSERVER J. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

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HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION: NAS Ft Worth JRB

PROJECT NAME WAA Investigation

SITE. BHGLSWMU6101101 (SWMU 61)

PROJECT NAME AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID BHGLSWMU6101101

DATE. 4/28/00 TIME: 1805

MATRIX TYPE SO

SAMPLING METHOD Split-Spoon

LOT CONTROL #. ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

SAMPLE BEG DPETH (FT) 0.1

SAMPLE END DPETH (FT) 2

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS) ——

MATRIX SPIKE DUP (SD) ——

FIELD DUP (FD) ——

AMBIENT BLANK (AB) ——

EQUIPMENT BLANK (EB) EB04250

TRIP BLANK (TB) TB04250

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	2	Cool to 4 C/None	(1311, SPLP)	Tetrachloroethene (PCE)
5 g Encore	3	Cool to 4 C/None	(SW8260B)	Tetrachloroethene (PCE)

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 4 ppm	COLOR	
2nd 4 ppm	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity_____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION _____ AMBIENT TEMPERATURE 85°F

SHIPMENT VIA FEDEX x HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M. Kowell OBSERVER J. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION: NAS Ft Worth JRB — PROJECT NAME: WAA Investigation

SITE: BHGLSWMU6101 — PROJECT NAME: AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID: BHGLSWMU6101102 — DATE: 4/12/00 — TIME: 815

MATRIX TYPE: SO

SAMPLING METHOD: Split Spoon

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

SAMPLE BEG DPETH (FT): 4'

SAMPLE END DPETH (FT): 6'

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS): —

MATRIX SPIKE DUP (SD): —

FIELD DUP (FD): —

AMBIENT BLANK (AB): —

EQUIPMENT BLANK (EB): ES-412800

TRIP BLANK (TB): TB-412800

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	2	Cool to 4 C/None	(1311, SPLP)	Tetrachloroethene (PCE)
5 g Encore	3	Cool to 4 C/None	(SW8260B)	Tetrachloroethene (PCE)

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 0.0 ppm	COLOR	
2nd	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity _____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION _____ AMBIENT TEMPERATURE: 55°F

SHIPMENT VIA FEDEX x HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M. Kiewell — OBSERVER J. Williams

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 265

LOCATION: NAS Ft Worth JRB

PROJECT NAME WAA Investigation

SITE SWMU532, 31

PROJECT NAME AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID EB042500

DATE: 4/25/00 TIME: 1800

MATRIX TYPE ~~SO~~ WO

SAMPLING METHOD: Grab

LOT CONTROL #: ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #. _____

SAMPLE BEG DPETH (FT) N/A

SAMPLE END DPETH (FT)

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) _____

TRIP BLANK (TB) 042500

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
3 40ml VOA			826C	VOCS
1L Amber	1	Cool to 4C/ None	8310	PAHs
1L Poly	1	cool to 4C/HNO3	6010B	As, Ba, Cr, Cd, Hg, Pb
40ml voa	3		TX1005	TPH

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st	COLOR	
2nd	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity _____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR _____ OVERCAST/RAIN _____ WIND DIRECTION _____ AMBIENT TEMPERATURE _____

SHIPMENT VIA FEDEX __x__ HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER _____ OBSERVER _____

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic

FIELD SAMPLING REPORT

LOCATION SWMUS 36 and 51 PROJECT WAA Phase II

SITE NAS Ft Worth

SAMPLE INFORMATION

MATRIX SO SAMPLE ID FB042700

SAMPLING METHOD SS DUP REP OF

BEGINNING DEPTH N/A MATRIX SPIKE/MATRIX SPIKE DUPLICATE YES ( ) NO (X)

END DEPTH N/A

GRAB (X) COMPOSITE ( ) DATE 4/27/00 TIME 1800

CONTAINER SIZE TYPE	=	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL METHOD	ANALYSIS
1L Poly	1	HNO3, cool to 4°C		6010B	As, Co, Pb, Hg, Cr, Cd

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st N/A	COLOR	
2nd	ODOR	
	OTHER	

GENERAL INFORMATION

WEATHER SUN CLEAR ____ OVERCAST/RAIN (X) WIND DIRECTION E AMBIENT TEMP 70°F

SHIPMENT VIA FED-X ____ HAND DELIVER ____ COURIER ____ OTHER ____

SHIPPED TO STL - Chicago

COMMENTS

SAMPLER M. Rockford OBSERVER J. Wilson

MATRIX TYPE CODES

DC=DRILL CUTTINGS
WG=GROUND WATER
LH=HAZARDOUS LIQUID WASTE
SH=HAZARDOUS SOLID WASTE
SE=SEDIMENT
SL=SLUDGE
SO=SOIL
GS=SOIL GAS
WS=SURFACE WATER
SW=SWAP WIPE

SAMPLING METHOD CODES

B=BAILER
BR=BRASS RING
CS=COMPOSITE SAMPLE
C=CONTINUOUS FLIGHT AUGER
DT=DRIVEN TUBE
W=SWAB WIPE
G=GRAB
HA=HAND AUGER
H=HOLLOW STEM AUGER
HP=HYDRO PUNCH
SS=SPLIT SPOON
SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION. SW mus, 36, 12, 61 PROJECT: LWAA Phase II

SITE: NAS Ft Worth

SAMPLE INFORMATION

MATRIX So SAMPLE ID EB242800

SAMPLING METHOD SS DUP./REP. OF. —

BEGINNING DEPTH N/A MATRIX SPIKE/MATRIX SPIKE DUPLICATE YES ( ) NO ( )

END DEPTH N/A

GRAB (X) COMPOSITE ( ) DATE 4/28/00 TIME.

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL METHOD	ANALYSIS
1L Poly	1	Cool to 4°C HNO3		(6010B)	Cr, Pb, Cd, As
40ml Vom	3	Cool to 4°C, HCL		(8260B)	Benzene, vinyl chloride, PCE
40ml voa	3	Cool to 4°C HCL		Tx1005	TPH
1L Poly	2	Cool to 4°C		8270C	*See Chain list

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st N/A	COLOR	
2nd	ODOR	
	OTHER	

GENERAL INFORMATION

WEATHER SUN-CLEAR X OVERCAST/RAIN ____ WIND DRIECTION ____ AMBIENT TEMP 70°F

SHIPMENT VIA FED-X X HAND DELIVER ____ COURIER ____ OTHER ____

SHIPPED TO STL-Chicago

COMMENTS

SAMPLER M. Kidwell OBSERVER J. Wilson

MATRIX TYPE CODES

DC=DRILL CUTTINGS
WG=GROUND WATER
LH=HAZARDOUS LIQUID WASTE
SH=HAZARDOUS SOLID WASTE
SE=SEDIMENT
SL=SLUDGE
SO=SOIL
GS=SOIL GAS
WS=SURFACE WATER
SW=SWAP\WIPE

SAMPLING METHOD CODES

B=BAILER
BR=BRASS RING
CS=COMPOSITE SAMPLE
C=CONTINUOUS FLIGHT AUGER
DT=DRIVEN TUBE
W=SWAB\WIPE
G=GRAB
HA=HAND AUGER
H=HOLLOW STEM AUGER
HP=HYDRO PUNCH
SS=SPLIT SPOON
SP=SUBMERSIBLE PUMP

AFCEE FORM SR 0

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 268

LOCATION: NAS Ft Worth JRB

PROJECT NAME WAA Investigation

SITE SWMU 32 and 31

PROJECT NAME AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID TB042500

DATE: 04/25/00 TIME: 8:00

MATRIX TYPE: ~~SO~~ WO

SAMPLING METHOD: Grab

LOT CONTROL #: __ __ __ __

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

SAMPLE BEG DPETH (FT)

SAMPLE END DPETH (FT)

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) 042500

TRIP BLANK (TB) _____

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
40ml vial	~~3~~ 2	Cool to 4C/ HCL	8260B	VOCs

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st	COLOR	
2nd	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity_____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR _____ OVERCAST/RAIN _____ WIND DIRECTION _____ AMBIENT TEMPERATURE _____

SHIPMENT VIA FEDEX __x__ HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER _____ OBSERVER _____

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

BEST AVAILABLE COPY

733 269

HYDRO GeoLogic

FIELD SAMPLING REPORT

LOCATION FB Sections 36, 12, 61 PROJECT LCAA Phase II

SITE NAS Fort Worth

SAMPLE INFORMATION

MATRIX LC SAMPLE ID TB 1285 C

SAMPLING METHOD Grab DUP. REP OF

BEGINNING DEPTH N/A MATRIX SPIKE/MATRIX SPIKE DUPLICATE YES ( ) NO (X)

END DEPTH

GRAB ( ) COMPOSITE ( ) DATE 4/28/00 TIME 800

CONTAINER SIZE/TYPE	=	PRESERVATIVE/ PREPARATION	EXTRACTION METHOD	ANALYTICAL METHOD	ANALYSIS
3 40 ml	3	cool to 4°C HCl		8260	Benzene toluene etc
	2				ICE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st N/A	COLOR	
2nd	ODOR	
	OTHER	

GENERAL INFORMATION

WEATHER SUN CLEAR ____ OVERCAST/RAIN ____ WIND DIRECTION ____ AMBIENT TEMP ____

SHIPMENT VIA FED-X ____ HAND DELIVER ____ COURIER ____ OTHER ____

SHIPPED TO

COMMENTS

SAMPLER M. Kimball OBSERVER J. Wilson

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BR=BRASS RING	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	CS=COMPOSITE SAMPLE	H=HOLLOW STEM AUGER
SH=HAZARDOUS SOLID WASTE	WS=SURFACE WATER	C=CONTINUOUS FLIGHT AUGER	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAP WIPE	DT=DRIVEN TUBE	SS=SPLIT SPOON
		W=SWAB WIPE	SP=SUBMERSIBLE PUMP

AFCEE FORM SR 0

HYDRO GeoLogic Inc

FIELD SAMPLING REPORT

733 270

LOCATION: NAS Ft Worth JRB — PROJECT NAME: WAA Investigation

SITE: SWMU - 61 — PROJECT NAME: AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID: WHGLTA034-02 — DATE: 5/17/01 — TIME: 929

MATRIX TYPE: SO

SAMPLING METHOD:

LOT CONTROL #. ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY # ___

SAMPLE BEG DPETH (FT): 5'

SAMPLE END DPETH (FT): 7'

GRAB ( ) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS) ___

MATRIX SPIKE DUP (SD) ___

FIELD DUP (FD): Dup 03

AMBIENT BLANK (AB) ___

EQUIPMENT BLANK (EB) ___

TRIP BLANK (TB) ___

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	4	Cool to 4C/None	(1131 ZHE SPLP)	Tetrachloroethene (PCE)
5 g Encore	3	Cool to 4C/None	(SW8260B)	Tetrachloroethene (PCE)

NOTABLE OBSERVATIONS

PID READINGS		SAMPLE CHARACTERISTICS		MISCELLANEOUS
1st	N.A	COLOR	tan/yellow	Sand
2nd		ODOR	None	
		OTHER	pinkish clay	

pH ___ Temperature ___(C) Dissolved Oxygen ___(mg/L) Specific Conductivity ___(umhos/cm)

Iron ___(mg/L) Oxidation/Reduction Potential ___(mv) Turbidity ___(NTU)

GENERAL INFORMATION

WEATHER SUN CLEAR ___ OVERCAST/RAIN ___ WIND DIRECTION ___ AMBIENT TEMPERATURE ___

SHIPMENT VIA FEDEX x HAND DELIVER ___ COURIER ___ OTHER ___

SHIPPED TO STL - Chicago

COMMENTS Normal turnaround time

SAMPLER K. Dugan — OBSERVER ___

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 271

LOCATION: NAS Ft Worth JRB

PROJECT NAME WAA Investigation

SITE SWMU - 61

PROJECT NAME AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID DUP03

DATE 5/17/01 TIME 8:00

MATRIX TYPE SO

SAMPLING METHOD:

LOT CONTROL # ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY # _____

SAMPLE BEG DPETH (FT) 5'

SAMPLE END DPETH (FT) 7'

GRAB (✓ COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE.

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) _____

TRIP BLANK (TB) _____

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
5 g Encore	3	Cool to 4C/None	(SW8260B)	Tetrachloroethene (PCE)

NOTABLE OBSERVATIONS

PID READINGS		SAMPLE CHARACTERISTICS		MISCELLANEOUS
1st	N/A	COLOR	tan/yellow	Sand
2nd		ODOR	None	
		OTHER	pinchy, dry	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity _____ (NTU)

GENERAL INFORMATION

WEATHER SUN CLEAR _____ OVERCAST/RAIN _____ WIND DIRECTION _____ AMBIENT TEMPERATURE _____

SHIPMENT VIA FEDEX __x__ HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS Normal turnaround time

SAMPLER K. Dreon OBSERVER —

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 272

LOCATION: NAS Ft Worth JRB — PROJECT NAME: WAA Investigation

SITE: Swmu-61 — PROJECT NAME: AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID: WHGLTA035-01 — DATE: 5/16/01 — TIME: 1530

MATRIX TYPE: SO

SAMPLING METHOD: H/S Core bucket

LOT CONTROL # ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

SAMPLE BEG DPETH (FT): 0

SAMPLE END DPETH (FT): 2'

GRAB (✓) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) _____

TRIP BLANK (TB) _____

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	4	Cool to 4C/None	(1131 ZHE, SPLP)	Tetrachloroethene (PCE)
5 g Encore	3	Cool to 4C/None	(SW8260B)	Tetrachloroethene (PCE)

NOTABLE OBSERVATIONS

PID READINGS		SAMPLE CHARACTERISTICS		MISCELLANEOUS
1st	0 ppb	COLOR	dk brn	Lightness very pure
2nd		ODOR	None	
		OTHER		

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity_____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR ____ OVERCAST/RAIN ____ WIND DIRECTION ____ AMBIENT TEMPERATURE ____

SHIPMENT VIA FEDEX ✓ HAND DELIVER ____ COURIER ____ OTHER ____

SHIPPED TO STL - Chicago

COMMENTS Normal turnaround time

SAMPLER KD — OBSERVER AZ

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION: NAS Ft Worth JRB

PROJECT NAME WAA Investigation

SITE. Sump - 61

PROJECT NAME AFC001-15BBC

SAMPLE INFORMATION

SAMPLE ID WHGLTA035-02

DATE 5/16/00 TIME 1545

MATRIX TYPE: SO

SAMPLING METHOD:

LOT CONTROL #. ___ ___ ___ ___

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY # _____

SAMPLE BEG DPETH (FT) 5'

SAMPLE END DPETH (FT) 7'

GRAB (✓) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) _____

MATRIX SPIKE DUP (SD) _____

FIELD DUP (FD) _____

AMBIENT BLANK (AB) _____

EQUIPMENT BLANK (EB) _____

TRIP BLANK (TB) _____

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
4 oz Jar	4	Cool to 4C/None	(1131 ZHE, SPLP)	Tetrachloroethene (PCE)
5 g Encore	3	Cool to 4C/None	(SW8260B)	Tetrachloroethene (PCE)

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS		MISCELLANEOUS
1st 0	COLOR	white/gray	Semi-moist
2nd	ODOR	none	
	OTHER	cement ss	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Specific Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity_____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR _____ OVERCAST/RAIN _____ WIND DIRECTION _____ AMBIENT TEMPERATURE _____

SHIPMENT VIA FEDEX __x__ HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS Normal turnaround time

SAMPLER KO OBSERVER _____

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

PHASE III

GROUNDWATER

GROUNDWATER FIELD SAMPLING DATA SHEET

733 276

Well No.: WITCTA034	Location: NAS Fort Worth JRB
Sampler(s) BW/PK	Project Name UST Site Investigation
Well Depth 12.95	Project #. AFC 001 ~~16 BBD~~ 15BBH Date. 3/1/00 Time 0820
DTW (ft): 9.55 DTP (ft): —	Courier: ___FedEx ___UPS ___Hand ___Oth
MP Ht Above/Below Ground Surf —	Sampling Method Grab
Condition of Bottom of Well clean	Type of Pump: Bladder/submersible
Screen Interval (ft) - unk	Weather (sun/clear, overcast/rain, wind direction, ambient temp
Well Diameter (in) 2.0	sunny, light wind(s), 70°F
Placement of Pump (ft) 11.25	

Field Parameters

Time	Depth to Water	Flow Rate (L/m)	Total Volume (L)	pH	Temp (C)	Cond (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
0820	9.55	0.11	0							start pump
0829	below pump	0.11	0.99	6.40	17.77	703	95.4	5.04	18.0	clear
0832	below pump	0.11	1.10	6.54	17.96	703	92.5	4.57	14.0	clear
0835	below pump	0.11	1.21	6.54	17.96	702	90.7	4.50	8.9	clear
0838	below pump	0.11	1.32	6.64	17.97	702	90.3	4.47	6.4	clear
0841	below pump	0.11	1.43	6.65	18.00	701	89.9	4.46	4.5	
1845	collect sample.									

Observations

Color: (Clear) Other (describe

Odor: (None) Low Medium High Very Strong H2S Fuel

Notes: lock on well.

Signed/Sampler(s). [signature]

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 277

LOCATION NAS Fort Worth JRB

PROJECT NAME UST Site Investigation

SITE Swmu 61

PROJECT NAME AFC 001 ~~16 BBD~~ 15BBH

SAMPLE INFORMATION

SAMPLE ID WITCTA034

DATE 3/1/00 TIME 0845

MATRIX TYPE water

SAMPLING METHOD BP

LOT CONTROL # 0 1 1 1

(Ambient Blank # - Equipment Blank # - Trip Blank # - Co

CHAIN-OF-CUSTODY #: 160018

SAMPLE BEG DEPTH (FT):

SAMPLE END DEPTH (FT)

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) —

MATRIX SPIKE DUP (SD) —

FIELD DUP (FD) —

AMBIENT BLANK (AB) —

EQUIPMENT BLANK (EB) EB030100

TRIP BLANK (TB) TB030100

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
40 ml VOA	3	Cool to 4C/HCl to pH<2	SW8260B	VOCs (PCE only)

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
—	COLOR clear	
2nd	ODOR none	
	OTHER	

pH - 6.65 Temperature 18.00 (C) Dissolved Oxygen 4.46 (mg/L) Specific Conductivity 701 (umhos/c

Iron NA (mg/L) Oxidation/Reduction Potential 89.9 (mv) Turbidity

GENERAL INFORMATION

WEATHER SUN/CLEAR S OVERCAST/RAIN — WIND DIRECTION S AMBIENT TEMPERATURE 75°F

SHIPMENT VIA FEDEX HAND DELIVER COURIER OTHER

SHIPPED TO STL - Chicago

COMMENTS

SAMPLER [signature] OBSERVER Pete Kyle

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDG	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WAST	GS=SOIL GAS	BR=BRASS RIN	H=HOLLOW STEM AUGER
SH=HAZARDOUS SOLID WAST	WS=SURFACE WATE	CS=COMPOSITE SAMPL	HP=HYDRO PUNC
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUM

GROUNDWATER FIELD SAMPLING DATA SHEET

733 278

Well No LSA1628-3	Location: NAS Ft Worth JRB
Sampler(s): K. Duran, C. Williams	Project Name: WAA Groundwater Sampling
Well Depth 17.99'	Project #. AFC001-15BBH Date 6-2-00 Time 0857
DTW (ft). 11.16' DTP (ft) –	Courier: ✓ FedEx ___ UPS ___ Hand ___ Other
MP Ht. Above/Below Ground Surface -0 92	Sampling Method: Grab; low flow purging
Condition of Bottom of Well Good	Type of Pump Bladder
Screen Interval (ft): 7 58 - 17.584	Weather (sun/clear, overcast/rain, wind direction, ambient temperature).
Well Diameter (in). 4"	Sunny, Clear, Wind from SE, 80°
Placement of Pump (ft). –	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp. (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
0857	10.92	0.15	0.0	6.34	23.11	782	265	0.78	6.5	
0900	10.93	0.15	0.45	6.39	22.96	778	262	0.45	5.9	
0903	10.93	0.15	0.90	6.42	22.91	778	260	0.41	5.7	
0906	10.93	0.15	1.35	6.44	22.98	779	258	0.40	5.4	
0909	10.93	0.15	1.80	6.45	23.05	781	255	0.42	5.9	
0912	10.91	0.10	2.10	6.45	23.20	784	254	0.40	5.6	
0915	Collect Samples									

Observations

Color: (Clear) Other (describe):

Odor: (None) Low Medium High Very Strong H2S Fuel-like

Notes.

Signed/Sampler(s): C. Williams, Kent Duran

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 279

LOCATION. NAS Ft Worth JRB

SITE: LSA 1628

PROJECT NAME WAA Investigation

PROJECT NAME AFC001-15BBH

SAMPLE INFORMATION

SAMPLE ID LSA1628-3WG01

DATE: 6-2-00 TIME: 0915

MATRIX TYPE: GW

SAMPLING METHOD BP

LOT CONTROL #. 0 0 0 0

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

SAMPLE BEG DPETH (FT) –

SAMPLE END DPETH (FT) –

GRAB (✓) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) –

MATRIX SPIKE DUP (SD) –

FIELD DUP (FD) –

AMBIENT BLANK (AB) –

EQUIPMENT BLANK (EB) –

TRIP BLANK (TB) –

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
1 Liter Poly	1	Cool to 4C/HNO3 to pH <2	(SW6010B/7000)	Arsenic, Barium, Cobalt, Lead

NOTABLE OBSERVATIONS

PID READINGS

1st 3.5ppm at WH

2nd 0.0ppm in BZ

SAMPLE CHARACTERISTICS

COLOR Clear

ODOR None

OTHER –

MISCELLANEOUS

pH 6.45 Temperature 23.20(C) Dissolved Oxygen 0.40 (mg/L) ~~Specific~~ CW Conductivity 784 (umhos/cm)

Iron – (mg/L) Oxidation/Reduction Potential 254 (mv) Turbidity 5.6 (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR ✓ OVERCAST/RAIN _____ WIND DIRECTION From the SE AMBIENT TEMPERATURE 80°

SHIPMENT VIA FEDEX x HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER K. Duran OBSERVER C. Williams

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

GROUNDWATER FIELD SAMPLING DATA SHEET

733 280

Well No : WHGLTA028	Location NAS Ft Worth JRB
Sampler(s). K. Duran, C Williams	Project Name· WAA Groundwater Sampling
Well Depth· 18.44'	Project #· AFC001-15BBH Date: 5-30-00 Time: 1142
DTW (ft)· 14.48 DTP (ft): –	Courier· ✓ FedEx ___ UPS ___ Hand ___ Other
MP Ht. Above/Below Ground Surface -0.38'	Sampling Method : Grab, low flow purging
Condition of Bottom of Well Good	Type of Pump Bladder
Screen Interval (ft) –	Weather (sun/clear, overcast/rain, wind direction, ambient temperature)
Well Diameter (in): 2"	Sunny, Clear, Wind from SE, 85°
Placement of Pump (ft): 16.5' (bottom)	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp. (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1142	14.40	0.15	0.0	6.61	26.43	1242	-35.1	2.26	69.4	
1145	14.41	0.15	0.45	6.52	25.71	1230	-43.0	1.50	64.2	
1148	14.41	0.15	0.90	6.49	25.36	1218	-52.5	1.12	35.4	
1151	14.41	0.15	1.35	6.48	25.24	1210	-57.0	1.38	22.2	
1154	14.40	0.15	1.80	6.47	25.28	1205	-60.0	1.11	17.6	
1157	14.40	0.15	2.25	6.46	25.38	1204	-64.0	0.98	14.8	
1200	14.40	0.15	2.70	6.47	25.67	1205	-68.4	0.89	11.5	
1203	14.40	0.15	3.15	6.51	25.71	1204	-70.2	1.02	10.1	
1206	14.39	0.15	3.60	6.47	25.94	1209	-71.2	0.96	9.2	
1209	14.39	0.15	4.05	6.48	26.40	1216	-72.5	1.05	7.7	
1212	14.39	0.15	4.50	6.47	26.79	1225	-72.9	1.17	7.6	
1215	14.39	0.15	4.95	6.49	27.17	1236	-72.8	1.29	7.4	
1220	Collect samples									

Observations

Color. (Clear) Other (describe).

Odor: (None) Low Medium High Very Strong H2S Fuel-like

Notes

Signed/Sampler(s): C. Williams, Kat Duran

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 281

LOCATION: NAS Ft Worth JRB

SITE: SWMU ~~27~~ 12

PROJECT NAME: WAA Investigation

PROJECT NAME: AFC001-15BBH

SAMPLE INFORMATION

SAMPLE ID: WHGLTA028WG01

DATE: 5-30-00 TIME: 1220

MATRIX TYPE: GW

SAMPLING METHOD: BP

LOT CONTROL #: 0 1 1 4

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

SAMPLE BEG DPETH (FT): —

SAMPLE END DPETH (FT): —

GRAB (✓) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE.

MATRIX SPIKE (MS): —

MATRIX SPIKE DUP (SD): —

FIELD DUP (FD): —

AMBIENT BLANK (AB): —

EQUIPMENT BLANK (EB): EB053000

TRIP BLANK (TB): TB053000

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
1 Liter Poly	1	Cool to 4C/HNO3 to pH <2	(SW6010B/7000)	Arsenic, Lead
40 ml voa	3	Cool to 4C/HCl to pH <2	(SW8260B)	Benzene, Vinyl Chloride

NOTABLE OBSERVATIONS

PID READINGS

1st 0.0 ppm

2nd 0.0 ppm

SAMPLE CHARACTERISTICS

COLOR Clear

ODOR None

OTHER —

MISCELLANEOUS

pH 6.49 Temperature 27.17 (C) Dissolved Oxygen 1.29 (mg/L) ~~Specific~~ Conductivity 1236 (umhos/cm)

Iron — (mg/L) Oxidation/Reduction Potential -72.8 (mv) Turbidity 7.4 (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR ✓ OVERCAST/RAIN _____ WIND DIRECTION From the SE AMBIENT TEMPERATURE 85°

SHIPMENT VIA FEDEX x HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER K. Duran OBSERVER C. Williams

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

GROUNDWATER FIELD SAMPLING DATA SHEET

733 282

Well No · WHGLTA034	Location. NAS Ft Worth JRB
Sampler(s). C. Williams	Project Name. WAA Groundwater Sampling
Well Depth 14.46'	Project # AFC001-15BBH Date· 6/1/00 Time 1430
DTW (ft) 9.96' DTP (ft): —	Courier: ✓ FedEx ___ UPS ___ Hand ___ Other
MP Ht. Above/Below Ground Surface -0.68'	Sampling Method · Grab using Low Flow techniques
Condition of Bottom of Well: Good	Type of Pump Bladder
Screen Interval (ft) 5-15'	Weather (sun/clear, overcast/rain, wind direction, ambient temperature)· S-SE 95°F
Well Diameter (in) 2"	
Placement of Pump (ft): 12.25'	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp. (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1430	9.85	0.15	0	6.76	23.91	818	189.0	5.50	48.1	
1436	9.90	0.15	0.9	6.67	24.45	762	196.5	5.36	33.7	
1439	9.90	0.15	1.35	6.66	24.85	731	197.7	5.47	26.5	
1442	9.84	0.10	1.65	6.66	25.12	715	197.6	5.51	20.4	
1445	9.84	0.10	1.95	6.65	24.72	698	197.8	5.61	17.1	
1448	9.84	0.10	2.25	6.65	24.70	690	198.2	5.61	17.0	
1451	9.84	0.10	2.55	6.64	24.72	678	198.6	5.64	16.4	
1454	9.84	0.10	2.85	6.67	25.49	665	192.2	6.33	14.1	
1457	9.84	0.15	3.3	6.66	23.92	662	197.4	6.32	12.7	
1500	9.84	0.15	3.75	6.65	23.95	654	198.3	6.25	10.8	
1503	9.84	0.15	4.20	6.64	23.41	646	200.6	6.20	6.05	
1506	9.86	0.15	4.65	6.67	23.77	629	197.7	6.23	6.38	
1509	9.86	0.15	5.1	6.65	24.76	645	201.3	5.94	3.86	
1514	Collect Sample									

Observations

Color (Clear) Other (describe)

Odor (None) Low Medium High Very Strong H2S Fuel-like

Notes:

Signed/Sampler(s): C. Williams, Kent Dunn

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 283

LOCATION: NAS Ft Worth JRB — PROJECT NAME: WAA Groundwater Sampling

SITE: SWMU-61 — PROJECT NAME: AFC001-15BBH

SAMPLE INFORMATION

SAMPLE ID: WHGLTA034WG01 — DATE: 6/1/00 — TIME: 1514

MATRIX TYPE: GW

SAMPLING METHOD: GRAB

LOT CONTROL #: 0 1 1 A

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

SAMPLE BEG DPETH (FT): —

SAMPLE END DPETH (FT): —

GRAB (✓) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS): —

MATRIX SPIKE DUP (SD): —

FIELD DUP (FD): —

AMBIENT BLANK (AB): —

EQUIPMENT BLANK (EB): EB060100

TRIP BLANK (TB): TB060100

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
40 ml voa	3	Cool to 4C/HCl to pH <2	(SW8260B)	PCE, TCE

NOTABLE OBSERVATIONS

PID READINGS		SAMPLE CHARACTERISTICS		MISCELLANEOUS
1st	1.3 ppm	COLOR	clear	
2nd	0.0 ppm BZ	ODOR	none	
		OTHER		

pH 6.65 Temperature 24.76 (C) Dissolved Oxygen 5.94 (mg/L) Specific Conductivity 645 (umhos/cm)

Iron — (mg/L) Oxidation/Reduction Potential 231.3 (mv) Turbidity 3.86 (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR ✓ OVERCAST/RAIN ____ WIND DIRECTION S-SE AMBIENT TEMPERATURE ____

SHIPMENT VIA FEDEX x HAND DELIVER ____ COURIER ____ OTHER ____

SHIPPED TO STL - Chicago

COMMENTS Normal turnaround time

SAMPLER C. WILLIAMS OBSERVER K. DURAN

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No.: WHGLTA035	Location: NAS Ft Worth JRB
Sampler(s): C. Williams	Project Name: WAA Groundwater Sampling
Well Depth: 14.19'	Project #: AFC001-15BBH Date: 6/1/00 Time: 1220
DTW (ft): 10.05 DTP (ft): —	Courier: ✓FedEx ___UPS ___Hand ___Other
MP Ht Above/Below Ground Surface: 0.33'	Sampling Method: Grab, Low flow sampling
Condition of Bottom of Well	Type of Pump: Bladder
Screen Interval (ft): 5'-15'	Weather (sun/clear, overcast/rain, wind direction, ambient temperature). S-SE 90°F
Well Diameter (in): 2"	
Placement of Pump (ft): 12' bgs	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp. (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1240	10.01	0.2	0	6.75	23.7	552	177.3	5.28	93.2	
1243	10.06	0.2	.6	6.65	23.3	547	192.1	4.94	103.5	
1246	10.06	0.2	1.2	6.62	22.43	545	199.9	5.17	126.5	
1249	10.06	0.25	1.8	6.63	22.41	543	203.2	5.22	106.1	
1252	10.02	0.25	2.55	6.62	22.07	540	204.7	5.18	54.0	
1255	10.02	0.25	3.30	6.63	23.41	542	205.3	5.18	52.7	
1258	10.02	0.15	3.75	6.64	23.33	542	205.8	5.15	52.7	
1301	10.02	0.15	4.10	6.63	22.69	542	206.2	5.10	42.8	
1304	10.02	0.15	4.55	6.63	22.74	541	206.3	5.16	29.4	
1307	10.02	0.15	5.00	6.64	22.54	541	206.5	5.13	26.1	
1310	10.02	0.15	5.45	6.63	22.64	541	206.6	5.13	23.2	
1314	10.02	0.15	5.90	6.64	22.58	541	206.9	5.16	19.7	
1317	10.02	0.15	6.35	6.65	22.71	542	207.4	5.12	16.8	
1320	10.02	0.15	6.8	6.66	23.27	542	207.8	5.16	14.6	
1323	10.02	0.15	7.25	6.66	22.93	541	208.7	5.23	13.5	
1326	10.02	0.15	7.70	6.67	22.97	541	209.3	5.24	12.4	

Observations

Color: Clear Other (describe)

Odor: None Low Medium High Very Strong H2S Fuel-like

Notes:

Signed/Sampler(s): Kent Dunn, C. Williams

GROUNDWATER FIELD SAMPLING DATA SHEET

733 285

Well No.: ~~C-bottom bottom~~ WHGCTA035	Location: NAS Fort Worth JRB
Sampler(s): C. Williams	Project Name: Quarterly Groundwater Sampling
Well Depth: 14.15'	Project #: AFC-001-25 W25 BBH Date: 6/1/00 Time: 1220
DTW (ft): 10.05' DTP (ft): —	Courier: ✓ FedEx ___ UPS ___ Hand ___ Other
MP Ht. Above/Below Ground Surface: 0.33'	Sampling Method: Grab using low purge flow
Condition of Bottom of Well: good	Type of Pump: Bladder
Screen Interval (ft): 5'-15'	Weather (sun/clear, overcast/rain, wind direction, ambient temperature): S-SE 95°F
Well Diameter (in): 2"	
Placement of Pump (ft): 13' bgs	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp (C)	Cond (umhos/cm)	ORP (mv)	DO (mg/L)	Turb (NTU)	Type, Size, and Amount of Sediment Discharged
1332	10.02	0.15	8.15	6.67	23.14	542	209.4	5.29	12.1	
1335	10.02	0.15	8.60	6.66	23.25	542	209.6	5.34	11.2	
1338	10.02	0.15	9.05	6.67	23.20	541	209.7	5.39	10.7	
1341	10.02	0.15	9.50	6.66	23.00	542	209.8	5.35	9.76	
1344	10.02	0.15	9.95	6.66	22.73	~~44~~ 542	210.2	5.43	7.84	
1347	10.02	0.15	10.40	6.66	22.64	540	210.3	5.45	6.46	
1350	Collect Samples									

Observations

Color: Clear Other (describe):

Odor: None Low Medium High Very Strong H2S Fuel-like

Notes:

Signed/Sampler(s): Kit Dunn, C. Williams

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 286

LOCATION: NAS Ft Worth JRB

SITE SWMU-61

PROJECT NAME WAA Groundwater Sampling

PROJECT NAME AFC001-15BBH

SAMPLE INFORMATION

SAMPLE ID WHGLTA035WG01

DATE: 6/1/00 TIME: 1350

MATRIX TYPE GW

SAMPLING METHOD: Grab

LOT CONTROL # Q 1 1 A

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #. _____

SAMPLE BEG DPETH (FT) —

SAMPLE END DPETH (FT) —

GRAB (✓ COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS) —

MATRIX SPIKE DUP (SD) —

FIELD DUP (FD) —

AMBIENT BLANK (AB) —

EQUIPMENT BLANK (EB) EB060100

TRIP BLANK (TB) TB060100

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
40 ml voa	3	Cool to 4C/HCl to pH <2	(SW8260B)	PCE, TCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st 6.1 ppm	COLOR clear	
2nd 0 ppm BZ	ODOR none	
	OTHER	

pH 6.66 Temperature 22.64 (C) Dissolved Oxygen 5.45 (mg/L) Specific Conductivity 540 (umhos/cm)

Iron — (mg/L) Oxidation/Reduction Potential 210.3 (mv) Turbidity 6.46 (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR ✓ OVERCAST/RAIN _____ WIND DIRECTION S-SE AMBIENT TEMPERATURE 90°F

SHIPMENT VIA FEDEX x HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS Normal turnaround time

SAMPLER C. Williams OBSERVER K. Doran

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic

FIELD SAMPLING REPORT

733 287

LOCATION: NAS Ft Worth JRB

PROJECT NAME WAA Investigation

SITE Field house

PROJECT NAME AFC001-15BBH

SAMPLE INFORMATION

SAMPLE ID TB060100

DATE: 6-1-00 TIME: 0720

MATRIX TYPE ~~GW~~ W

SAMPLING METHOD: G

LOT CONTROL # 0 1 1 4

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY # _____

SAMPLE BEG DPETH (FT) —

SAMPLE END DPETH (FT) —

GRAB (✓) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE.

MATRIX SPIKE (MS) —

MATRIX SPIKE DUP (SD) —

FIELD DUP (FD) —

AMBIENT BLANK (AB) —

EQUIPMENT BLANK (EB) EB060100

TRIP BLANK (TB) ✓

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
40ml VOA	2	Cool to 4C HCl pH <2	SW 8260 B	VOCs

NOTABLE OBSERVATIONS

	PID READINGS	SAMPLE CHARACTERISTICS		MISCELLANEOUS
st	—	COLOR	—	
2nd	—	ODOR	—	
		OTHER	—	

pH — Temperature — (C) Dissolved Oxygen — (mg/L) Specific Conductivity — (umhos/cm)

Iron — (mg/L) Oxidation/Reduction Potential — (mv) Turbidity — (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR — OVERCAST/RAIN — WIND DIRECTION — AMBIENT TEMPERATURE —

SHIPMENT VIA FEDEX X HAND DELIVER ____ COURIER ____ OTHER ____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER. K. Duran OBSERVER C. Williams

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic

FIELD SAMPLING REPORT

733 288

LOCATION NAS Ft Worth JRB — PROJECT NAME WAA Investigation

SITE: ~~EB060100~~ Field house — PROJECT NAME AFC001-15BBH

SAMPLE INFORMATION

SAMPLE ID EB060100 — DATE 6-1-00 — TIME 1600

MATRIX TYPE ~~GW~~ W

SAMPLING METHOD G

LOT CONTROL # 0 1 1 A

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

SAMPLE BEG DPETH (FT) —

SAMPLE END DPETH (FT) —

GRAB ✓ COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE.

MATRIX SPIKE (MS) —

MATRIX SPIKE DUP (SD) —

FIELD DUP (FD) —

AMBIENT BLANK (AB) —

EQUIPMENT BLANK (EB) ✓

TRIP BLANK (TB) TB060100

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
40ml Vol	3	Cool to 4C, HCl to pH <2	SW8260B	VOCs (Appn. IX)

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
—	COLOR —	
2ng —	ODOR —	
	OTHER —	

pH — Temperature — (C) Dissolved Oxygen — (mg/L) Specific Conductivity — (umhos/cm)

Iron — (mg/L) Oxidation/Reduction Potential — (mv) Turbidity — (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR — OVERCAST/RAIN — WIND DIRECTION — AMBIENT TEMPERATURE —

SHIPMENT VIA FEDEX ✓ HAND DELIVER ____ COURIER ____ OTHER ____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER K. Duran — OBSERVER C. Williams

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZRDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

GROUNDWATER FIELD SAMPLING DATA SHEET

733 289

Well No LSA1628-2	Location NAS Fort Worth JRB, Texas
Sampler(s) K. Duran, D Martinez	Project Name RFI of WAAs
Well Depth	Project # AFC001-15BBH Date 10/10/00 Time 1617
DTW (ft) ≈ 10' DTP (ft)	Courier X FedEx ___ UPS ___ Hand ___ Other
MP Ht. Above/Below Ground Surface -0 33	Sampling Method · SP
Condition of Bottom of Well.	Type of Pump· Bladder
Screen Interval (ft) 9 67 - 19 67	Weather (sun/clear, overcast/rain, wind direction, ambient temperature). S/SE 75°F
Well Diameter (in) 4	
Placement of Pump (ft) 13'	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp. (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1540	≈10'*	075	0	6.9	20.4	433	-65	2.3	9.2	None
1545		↓	075	6.9	23.6	404	-116	1.4	7.4	
1550			.150	7.0	25.4	348	-126	1.2	7.1	
1555			.225	7.1	25.5	326	-131	1.2	6.1	
1600			.300	7.1	25.4	317	-133	1.2	5.3	
1605		075	.375	7.1	25.3	311	-131	1.2	4.8	
1610			.450	7.1	25.1	312	-128	1.3	4.6	
1615			.525	7.1	250	313	-127	1.3	4.4	
1617	Sample Monitor well									

Observations

Color. (Clear) Other (describe)

Odor· None Low Medium (High) Very Strong H2S Fuel-like

Notes OBVIOUS odor to well once cap was removed.

* Water level indicator not available at this well. Pumped at very slow flow rate

not to exceed .33' drawdown

Water has odor to it.

Signed/Sampler(s): K. Duran D. Martinez

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 290

LOCATION NAS Fort Worth JRB, Texas — PROJECT NAME RFI of WAAs

SITE _____ — PROJECT NAME AFC001-15BBH

SAMPLE INFORMATION

SAMPLE ID LSA1628-2WG02 — DATE 10/10/00 — TIME 1617

MATRIX TYPE WG

SAMPLING METHOD SP

LOT CONTROL #. 0 0 0 1

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY # 1/1

SAMPLE BEG DEPTH (FT) ≈ 10

SAMPLE END DEPTH (FT) ≈ 10

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS) —

MATRIX SPIKE DUP (SD) —

FIELD DUP (FD) —

AMBIENT BLANK (AB) —

EQUIPMENT BLANK (EB) —

TRIP BLANK (TB) —

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
1 L poly	1	Cool to 4C/HNO3 pH<2	SW6010B	As, Ba, Co, Pb

NOTABLE OBSERVATIONS

PID READINGS		SAMPLE CHARACTERISTICS	MISCELLANEOUS
	NA	COLOR clear	
2nd	NA	ODOR strong hydrocarbon odor	
		OTHER	

pH 7.1 Temperature 25.0 (C) Dissolved Oxygen 1.3 (mg/L) Conductivity 313 (umhos/cm)

Iron NA (mg/L) Oxidation/Reduction Potential -127 (mv) Turbidity 44 (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR _____ OVERCAST/RAIN ✓ WIND DIRECTION S/SE AMBIENT TEMPERATURE 75°F

SHIPMENT VIA FEDEX x HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL -

COMMENTS _____

SAMPLER ~~K. Dur~~ D. Martinez OBSERVER K. Duran

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZARDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

GROUNDWATER FIELD SAMPLING DATA SHEET

733 291

Well No	~~WHCTA010~~ GW LSA1628-2	Location	NAS Fort Worth JRB, Texas
Sampler(s)	K.Duran, J.Wallace	Project Name	~~October 2000 Quarterly Sampling~~ GW WAA RFI Phase II
Well Depth	19.12	Project #	GW ~~AFC001.100BD~~ 1599 Date: 11/1/00 Time 1230
DTW (ft)	11.46 DTP (ft) —	Courier	X FedEx ___ UPS ___ Hand ___ Other
MP ft Above/Below Ground Surface	GW ~~0.39~~	Sampling Method	LOW FLOW
Condition of Bottom of Well	FIRM	Type of Pump	BLADDER
Screen Interval (ft)	GW ~~19.11 - 29.11~~	Weather (sun/clear, overcast/rain, wind direction, ambient temperature)	overcast, S, 80°F
Well Diameter (in)	GW 4		
Placement of Pump (ft)	(TOP) 12.30		

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp. (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1230	11.54	0.15	0	8.05	26.54	1582	-134.0	3.08	8.4	
1233	11.54	0.15	0.45	8.07	26.53	1591	-139.2	1.85	7.8	
1236	11.56	0.15	0.90	8.09	26.45	1555	-142.0	1.54	9.2	
1239	11.56	0.15	1.35	8.10	26.51	1510	-144.0	1.40	8.4	
1242	11.57	0.1	1.80	8.12	26.53	1447	-146.6	1.26	7.7	
1245	11.59	0.1	2.10	8.12	26.42	1381	-149.4	1.14	8.4	
1248	11.61	0.1	2.40	8.14	26.21	1301	-153.5	1.00	8.9	
1251	11.62	0.1	2.70	8.15	26.10	1258	-155.7	0.94	7.4	
1254	11.62	0.1	3.00	8.16	26.03	1223	-157.8	0.87	7.9	
1257	11.62	0.1	3.30	8.17	25.97	1201	-159.4	0.83	8.8	
1300	11.62	0.1	3.60	8.16	25.93	1187	-160.0	0.76	7.8	
1303	11.58	0.1	3.90	8.16	25.75	1176	-160.2	0.75	8.7	
1306	11.58	0.1	4.20	8.17	25.40	1170	-159.7	0.74	9.3	
1310	Collect		Sample							

Observations

Color: Clear Other (describe): clear

Odor None Low Medium High Very Strong H2S Fuel like medium hydrocarbon

Notes

Signed/Sampler(s) J Wallace Kar Duran

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 292

[redacted]TION	NAS Fort Worth JRB	PROJECT NAME	~~AOC 1 Groundwater Sampling~~ RFI of WAAs
SITE		PROJECT NAME	~~AFC001 168BD~~ 1599

SAMPLE INFORMATION

SAMPLE ID	~~BGSMW05WG13~~ gw LSA1628-2WG02	DATE	11/1/00
TIME	1310		
MATRIX TYPE	WG		
SAMPLING METHOD	LOW FLOW		
LOT CONTROL #	0 1 0 A		
(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)			
CHAIN-OF-CUSTODY #			
SAMPLE BEG DEPTH (FT)	N/A		
SAMPLE END DEPTH (FT)	N/A		
GRAB (X) COMPOSITE ( )			

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS)	—
MATRIX SPIKE DUP (SD)	—
FIELD DUP (FD)	—
AMBIENT BLANK (AB)	—
EQUIPMENT BLANK (EB)	EB110100
TRIP BLANK (TB)	—

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
~~40 ml VOA~~ ~~gw~~ TL Poly	~~2~~ 1	Cool to 4C/~~HCl to pH<2~~ HNO3 gw	~~SW5260B~~ SW6010B	As, Ba, Cr, Pb ~~VOCs~~

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st [redacted] ppm	COLOR clear	
2nd 0.00ppm	ODOR medium hydrocarbon	
	OTHER	

pH 8.17 Temperature 25.40 (C) Dissolved Oxygen 0.74 (mg/L) Conductivity 1170 (umhos/cm)

Iron N/A (mg/L) Oxidation/Reduction Potential -159.7 (mv) Turbidity 9.3 (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR ____ OVERCAST/RAIN X WIND DIRECTION S AMBIENT TEMPERATURE 80°

SHIPMENT VIA FEDEX x HAND DELIVER ____ COURIER ____ OTHER ____

SHIPPED TO STL - Chicago

COMMENTS

SAMPLER K. Duran OBSERVER J. Wallace

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
HL=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
HS=HAZARDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

GROUNDWATER FIELD SAMPLING DATA SHEET

733 293

Well No.	LSA1628-3	Location	NAS Fort Worth JRB, Texas
Sampler(s).	Kent Dunn [illegible]	Project Name.	RFI of WAAs
Well Depth	17.58	Project #	AFC001-15BBH Date. 10/10/00 Time 1442
DTW (ft) *	DTP (ft) —	Courier:	X FedEx ___UPS ___Hand ___Other
MP Ht. Above/Below Ground Surface	-0 92	Sampling Method	Bladder pump
Condition of Bottom of Well	—	Type of Pump	Bladder pump
Screen Interval (ft)	7 58 - 17 58	Weather (sun/clear, overcast/rain, wind direction, ambient temperature)	S 20 mph 71°F
Well Diameter (in)	4		
Placement of Pump (ft)	Dedicated		

Field Parameters

Time	Depth to Water (ft)	Flow Rate (mL/m)	Total Volume (L)	pH	Temp. (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1410	≈10'*	50	0	7.03	24.6	285	194	2.5	4.7	none
1415		50	.25	6.67	24.7	274	202	2.0	3.5	
1420		50	.5	6.66	25.0	274	202	1.8	6.0	
1425		"	.75	6.6	25.1	274	201	1.8	2.9	
1430		"	1.0	6.6	25.2	274	196	1.6	5.4	
1435		"	1.25	6.7	25.2	274	195	1.6	4.2	
1440		"	1.5	6.7	25.2	275	193	1.6	2.5	
1442	Sample	mw								

Observations

Color (Clear) Other (describe)

Odor. (None) Low Medium High Very Strong H2S Fuel-like

Notes.

* No DTW due to water level indicator unavailability. Dedicated pump so water volume not measured

Signed/Sampler(s): [illegible]

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 294

LOCATION NAS Fort Worth JRB, Texas — PROJECT NAME RFI of WAAs

SITE _____ — PROJECT NAME AFC001-15BBH

SAMPLE INFORMATION

SAMPLE ID LSA1628-3WG02 — DATE: 10/10/00 — TIME 1442

MATRIX TYPE WG

SAMPLING METHOD. BP

LOT CONTROL #: 0 0 0 1

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: ~~N/A~~

SAMPLE BEG DEPTH (FT) ~~[illegible]~~ N/A

SAMPLE END DEPTH (FT) ~~[illegible]~~ N/A

GRAB (✓) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE.

MATRIX SPIKE (MS) —

MATRIX SPIKE DUP (SD) —

FIELD DUP (FD) —

AMBIENT BLANK (AB) —

EQUIPMENT BLANK (EB) —

TRIP BLANK (TB) —

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD (Serial Dilution)	ANALYSIS
1 L poly	1	Cool to 4C/HNO3 pH<2	SW6010B	As, Ba, Co, Pb

NOTABLE OBSERVATIONS

	PID READINGS (1)	SAMPLE CHARACTERISTICS (2)	MISCELLANEOUS
	COLOR	clear	clear
1st NA	ODOR	none	none
2nd NA	OTHER		

pH 6.7 Temperature 25.2 (C) Dissolved Oxygen 1.6 (mg/L) Conductivity 275 (umhos/cm)

Iron NA (mg/L) Oxidation/Reduction Potential 153 (mv) Turbidity 2.5 (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR ____ OVERCAST/RAIN ✓ WIND DIRECTION SE AMBIENT TEMPERATURE 71°F

SHIPMENT VIA FEDEX x HAND DELIVER ____ COURIER ____ OTHER ____

SHIPPED TO STL - Chicago

COMMENTS

SAMPLER D Martinez — OBSERVER K. Dunn

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZARDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

GROUNDWATER FIELD SAMPLING DATA SHEET

733 295

Well No WHGLTA028	Location. NAS Fort Worth JRB, Texas
Sampler(s). M.MAHAL, JWALLACE	Project Name RFI of WAAs
Well Depth 18.65	Project #· AFC001-15BBH Date· 10/19/2000 Time 1702
DTW (ft). 14.69 DTP (ft) –	Courier: X FedEx ___UPS ___Hand ___Other
MP Ht. Above/Below Ground Surface	Sampling Method LOW FLOW
Condition of Bottom of Well FIRM	Type of Pump BLADDER
Screen Interval (ft) 9 - 19	Weather (sun/clear, overcast/rain, wind direction, ambient temperature) SUN/SOME CLOUDS, ~~E~~ MM W WIND, 70°F
Well Diameter (in). 2	
Placement of Pump (ft). Inlet 17.5	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp. (C)	Cond. (umhos/cm)	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1702	*	0.3	–	7.39	26.90	1002.0	138.3	1.23	48.8	
1705		0.1	0.9	7.38	26.87	1001.0	139.1	1.14	34.4	
1708		0.1	1.2	7.36	26.95	1000.0	140.1	1.23	25.5	
1711		0.1	1.5	7.37	27.01	999.0	141.1	1.22	19.4	
1714		0.1	1.8	7.37	27.03	999.0	143.0	1.15	14.9	
1717		0.1	2.1	7.37	26.95	995.0	143.1	1.19	11.57	
1720		0.2	2.4	7.38	26.96	992.0	142.0	1.24	9.36	
1723		0.1	3.0	7.39	27.09	982.0	141.0	1.03	7.52	
1726		0.2	3.3	7.39	26.98	972.00	139.7	1.03	9.57	
1729	COLLECT SAMPLES ~~3.9~~ MM									

Observations

Color· Clear (Other) (describe) CLOUDY

Odor: (None) Low Medium High Very Strong H2S Fuel-like NONE

Notes: * TOP OF PUMP ABOVE WATER LEVEL

Signed/Sampler(s): JWallace MKMahal

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 296

LOCATION NAS Fort Worth JRB, Texas

PROJECT NAME RFI of WAAs

SITE

PROJECT NAME AFC001-15BBH

SAMPLE INFORMATION

SAMPLE ID WHGLTA028WG02

DATE 10/19/00 TIME 1729

MATRIX TYPE WG

SAMPLING METHOD LOW FLOW

LOT CONTROL # 0 1 1 A

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #

SAMPLE BEG DEPTH (FT) N/A

SAMPLE END DEPTH (FT) N/A

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS) –

MATRIX SPIKE DUP (SD) –

FIELD DUP (FD) DUP02WG02

AMBIENT BLANK (AB) –

EQUIPMENT BLANK (EB) EB101900

TRIP BLANK (TB) TB101900

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
1 L poly	1	Cool to 4C/HNO3 pH<2	SW6010B	As, Pb
40 mL VOA	3	Cool to 4C/HCL to pH<2	SW8260B	Benzene, Vinyl Chloride

NOTABLE OBSERVATIONS

PID READINGS		SAMPLE CHARACTERISTICS		MISCELLANEOUS
1st	133 ppm	COLOR	cloudy	
2nd	0.00 ppm	ODOR	none	
		OTHER		

pH 7.39 Temperature 26.98 (C) Dissolved Oxygen 1.03 (mg/L) Conductivity 972.0 ~~(umhos/cm)~~ us/cm

Iron – (mg/L) Oxidation/Reduction Potential ~~+6~~ mv 139.7 (mv) Turbidity 9.57 (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN WIND DIRECTION W AMBIENT TEMPERATURE 70°F

SHIPMENT VIA FEDEX x HAND DELIVER COURIER OTHER

SHIPPED TO STL - Chicago

COMMENTS *not functioning properly

SAMPLER M.MAHAC OBSERVER J.WALLACE

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZARDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 297

LOCATION: NAS Fort Worth JRB, Texas PROJECT NAME RFI of WAAs

SITE _____ PROJECT NAME AFC001-15BBH

SAMPLE INFORMATION

SAMPLE ID DUP01WG02 DATE: 10/19/00 TIME: 1200

MATRIX TYPE: WG

SAMPLING METHOD: LOW FLOW

LOT CONTROL #: 0 1 1 A

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

SAMPLE BEG DEPTH (FT) N/A

SAMPLE END DEPTH (FT) N/A

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) —

MATRIX SPIKE DUP (SD) —

FIELD DUP (FD) WHGLTA028WG02

AMBIENT BLANK (AB) —

EQUIPMENT BLANK (EB) ~~EB TB101900~~ EB101900

TRIP BLANK (TB) TB101900

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
1 L poly	1	Cool to 4C/HNO3 pH<2	SW6010B	As, Pb
40 mL VOA	3	Cool to 4C/HCL to pH<2	SW8260B	Benzene, Vinyl Chloride

NOTABLE OBSERVATIONS

PID READINGS		SAMPLE CHARACTERISTICS		MISCELLANEOUS
1st	133* ppm	COLOR	CLOUDY	
2nd	0 ppm	ODOR	NONE	
		OTHER		

pH 7.39 Temperature 26.98 (C) Dissolved Oxygen 1.03 (mg/L) Conductivity 972.0 (~~umhos/cm~~) uS/cm

Iron — (mg/L) Oxidation/Reduction Potential ~~163~~ 139.7 mv (mv) Turbidity 9.57 (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION W AMBIENT TEMPERATURE 70°F

SHIPMENT VIA FEDEX x HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS * Not functioning properly

SAMPLER M.MAHAL OBSERVER J.WALLACE

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZARDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No.. WCHMHTA012	Location NAS Fort Worth JRB, Texas
Sampler(s) J Wallace, M. Mahal	Project Name. RFI of WAAs
Well Depth 18.95	Project #: AFC001-15BBH Date 10/19/00 Time 1400
DTW (ft): 15.07 DTP (ft). —	Courier: X FedEx ___ UPS ___ Hand ___ Other
MP Ht Above/Below Ground Surface: -0.33	Sampling Method: LOW FLOW
Condition of Bottom of Well firm	Type of Pump. BLADDER
Screen Interval (ft) 8.17 - 18 7	Weather (sun/clear, overcast/rain, wind direction, ambient temperature): partly sunny, South, 85°
Well Diameter (in) 2	
Placement of Pump (ft) (INLET) 18.0	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp. (C)	Cond. ~~(umhos/cm)~~ µS/cm	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1400	15.09	0.2	0	7.23	27.02	954.0	-45.5	1.53	105.2	
1405	15.08	0.1	1.0	7.14	27.14	950.0	-96.7	1.39	72.3	
1410	15.08	0.2	1.5	7.15	27.13	948.0	-110.7	1.37	49.7	
1415	15.05	0.2	2.5	7.14	27.26	950.0	-116.1	1.27	39.8	
1420	15.05	0.3	3.5	7.15	27.11	947.0	-117.8	1.24	30.8	
1425	15.08	0.2	5.0	7.16	26.69	939.0	-119.0	1.22	22.4	
1430	14.95	0.2	6.0	7.18	26.64	937.0	-121.0	1.29	17.2	
1435	15.05	0.1	7.0	7.19	26.71	940.0	-121.9	1.45	13.4	
1505 → 1440	~~14.95~~ AW	0.1	7.5	7.22	26.75	942.0	-122.4	1.70	13.4	
1445	15.05	0.1	8.0	7.24	26.79	943.0	-123.8	1.80	11.6	
1450	15.06	0.05	8.5	7.27	26.89	945.0	-123.7	2.30	10.8	
1455	15.06	0.05	8.75	7.27	27.04	948.0	-123.4	2.54	10.8	
AW ~~1415~~ 1500	15.06	0.05	9.0	7.29	27.15	950.0	-123.2	2.70	13.1	
1505	15.06	0.05	9.25	7.27	26.43	931.0	-123.3	1.26	10.0	
1510	15.07	0.05	9.50	7.28	26.60	934.0	-125.6	1.36	10.3	
1515	15.07	0.05	9.75	7.30	26.76	936.0	-126.4	1.85	9.2	

Observations

Color: Clear Other (describe): cloudy w/ iron particles

Odor: None Low Medium High Very Strong H2S Fuel-like none

Notes:

Signed/Sampler(s). JWall

GROUNDWATER FIELD SAMPLING DATA SHEET

Well No: WCHMHTA012	Location: NAS Fort Worth JRB
Sampler(s): J. Wallace, M. Mahal	Project Name: ~~Quarterly Groundwater Sampling~~ RFI of WAAs
Well Depth: 18.95	Project #: ~~CFC-001-23~~ 15BBH Date: 10/19/00 Time: 1400
DTW (ft): 15.07 DTP (ft): —	Courier: X FedEx ___UPS ___Hand ___Other
MP Ht. Above/Below Ground Surface: -0.33	Sampling Method: Low Flow
Condition of Bottom of Well: firm	Type of Pump: BLADDER
Screen Interval (ft): 8.17 - 18.7	Weather (sun/clear, overcast/rain, wind direction, ambient temperature): partly sunny, south, 85°
Well Diameter (in): 2	
Placement of Pump (ft): (inlet) 18.0	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp (C)	Cond (umhos/cm)	ORP (mv)	DO (mg/L)	Turb (NTU)	Type, Size, and Amount of Sediment Discharged
1520	15.07	0.05	10.0	7.31	26.85	938.0	-126.1	2.31	8.3	
1525	15.08	0.1	10.25	7.32	26.83	940.0	-129.3	2.15	7.9	
1530	15.08	0.05	10.75	7.33	26.83	941.0	-130.2	2.20	7.9	
1535	15.08	0.05	11.0	7.33	26.82	941.0	-131.0	2.18	8.2	
1538	collect samples									

Observations

Color: Clear Other (describe): cloudy

Odor: None Low Medium High Very Strong H2S Fuel-like none

Notes:

Signed/Sampler(s):

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

LOCATION NAS Fort Worth JRB, Texas PROJECT NAME RFI of WAAs

SITE. PROJECT NAME AFC001-15BBH

SAMPLE INFORMATION

SAMPLE ID WCHMHTA012WG02 DATE: 10/19/00 TIME: 1538

MATRIX TYPE WG

SAMPLING METHOD. LOW FLOW

LOT CONTROL #: 0 1 1 A

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #

SAMPLE BEG DEPTH (FT) N/A

SAMPLE END DEPTH (FT) N/A

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS) —

MATRIX SPIKE DUP (SD) —

FIELD DUP (FD) —

AMBIENT BLANK (AB) —

EQUIPMENT BLANK (EB) EB101900

TRIP BLANK (TB) TB101900

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
1 L poly	1	Cool to 4C/HNO3 pH<2	SW6010B	As, Pb
40 mL VOA	3	Cool to 4C/HCL to pH<2	SW8260B	Benzene, Vinyl Chloride

NOTABLE OBSERVATIONS

PID READINGS		SAMPLE CHARACTERISTICS		MISCELLANEOUS
1st	15 ppm	COLOR	cloudy w/ rust particles	
2nd	0 ppm	ODOR	none	
		OTHER		

pH 7.33 Temperature 26.82 (C) Dissolved Oxygen 2.18 (mg/L) Conductivity 941.0 (umhos/cm)

Iron N/A (mg/L) Oxidation/Reduction Potential -131.0 (mv) Turbidity 8.2 (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN WIND DIRECTION S AMBIENT TEMPERATURE 85°

SHIPMENT VIA FEDEX x HAND DELIVER COURIER OTHER

SHIPPED TO STL - Chicago

COMMENTS

SAMPLER M. Mahal OBSERVER J. Wallace

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZARDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

GROUNDWATER FIELD SAMPLING DATA SHEET

733 301

Well No · WHGLTA034	Location NAS Fort Worth JRB, Texas
Sampler(s) J. Wallace, M. Mahal	Project Name. RFI of WAAs
Well Depth 14.5	Project #. AFC001-15BBH Date 10/16/00 Time: 1722
DTW (ft) 10.80 DTP (ft) —	Courier. X FedEx ___UPS ___Hand ___Other
MP Ht. Above/Below Ground Surface —	Sampling Method · LOW FLOW
Condition of Bottom of Well firm	Type of Pump. BLADDER
Screen Interval (ft) 5 - 15	Weather (sun/clear, overcast/rain, wind direction, ambient temperature)
Well Diameter (in) 2	sunny, South, 85°
Placement of Pump (ft) 13 ~~14~~ inlet	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp. (C)	Cond. (umhos/cm) µS/cm	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1606	10.80	0.1	0	6.78	25.42	2367.0	138.8	5.76	260	
1611 ~~1609~~	10.80	0.2	0.3	6.73	25.19	2236.0	142.3	4.47	65.6	
1616	10.80	0.2	0.9	6.78	25.02	1869.0	159.6	5.48	34.7	
1621	10.82	0.2	1.5	6.87	24.98	1535.0	179.0	6.70	14.5	
1626	10.82	0.2	2.1	6.94	24.99	1374.0	188.3	6.11	6.3	
1631	10.82	0.2	2.7	7.01	25.04	1241.0	197.2	6.80	4.0	
1636	10.82	0.2	3.3	7.06	25.13	1159.0	205.0	7.05	3.3	
1641	10.82	0.2	3.9	7.11	25.06	1093.0	206.7	9.09	3.5	
1646	10.82	0.2	4.5	7.13	25.20	1063.0	209.6	9.06	2.6	
1651	10.83	0.2	5.1	7.17	25.18	1020.0	213.3	9.28	2.3	
1656	10.83	0.2	5.7	7.20	25.30	1000.0	212.2	10.66	3.5	
1701	10.83	~~0.2~~ 0.1	6.3	7.23	25.21	975.0	219.3	9.76	4.2	
1706	10.80	0.1	6.6	7.25	25.31	972.0	220.9	8.69	3.4	
1711	10.81	0.1	6.9	7.28	25.55	966.0	220.7	9.72	2.7	
1716	10.81	0.1	7.2	7.29	25.59	965.0	223.1	9.82	2.2	
1721	10.81	0.1	7.5	7.31	25.51	955.0	224.2	9.77	1.8	

1722 Collect samples.

Observations

Color: Clear Other (describe). Cloudy

Odor: (None) Low Medium High Very Strong H2S Fuel-like none

Notes

Signed/Sampler(s) J. Wallace Michelle K Mahal

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 302

LOCATION. NAS Fort Worth JRB, Texas — PROJECT NAME RFI of WAAs

SITE. _____ — PROJECT NAME AFC001-15BBH

SAMPLE INFORMATION

SAMPLE ID WHGLTA034WG02 — DATE: 10/16/00 TIME: 1722

MATRIX TYPE WG

SAMPLING METHOD LOW FLOW

LOT CONTROL # 0 1 1 A

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY # _____

SAMPLE BEG DEPTH (FT) n/a

SAMPLE END DEPTH (FT) n/a

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) WHGLTA034WG02MS

MATRIX SPIKE DUP (SD) WHGLTA034WG02MSD

FIELD DUP (FD) —

AMBIENT BLANK (AB) —

EQUIPMENT BLANK (EB) ~~EB101600~~ EB101700

TRIP BLANK (TB) TB101600

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
40 mL VOA	3	Cool to 4C/HCL to pH<2	SW8260B	TCE, PCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
2.2 ppm	COLOR tan	
2nd 0.0 ppm	ODOR none	
	OTHER silty on bottom of well	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Conductivity _____(umhos/cm)

Iron n/a (mg/L) Oxidation/Reduction Potential _____(mv) Turbidity _____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION S AMBIENT TEMPERATURE 85°

SHIPMENT VIA FEDEX x HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER J. Wallace OBSERVER M. Mahal

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZARDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 303

LOCATION: NAS Fort Worth JRB, Texas — PROJECT NAME: RFI of WAAs

SITE: _____ — PROJECT NAME: AFC001-15BBH

SAMPLE INFORMATION

SAMPLE ID: WHGLTA034WG02MS — DATE: 10/16/00 — TIME: 1722

MATRIX TYPE: WG

SAMPLING METHOD: LOW FLOW

LOT CONTROL #: 0 1 1 A

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

SAMPLE BEG DEPTH (FT): N/A

SAMPLE END DEPTH (FT): N/A

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS): WHGLTA034WG02MS

MATRIX SPIKE DUP (SD): WHGLTA034WG02MSD

FIELD DUP (FD): —

AMBIENT BLANK (AB): —

EQUIPMENT BLANK (EB): ~~EB100~~ qw ~~EB101600~~ EB101700 qw

TRIP BLANK (TB): TB101600

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
40 mL VOA	3	Cool to 4C/HCL to pH<2	SW8260B	TCE, PCE

NOTABLE OBSERVATIONS

PID READINGS		SAMPLE CHARACTERISTICS		MISCELLANEOUS
	22 ppm	COLOR	Tannish	
2nd	0.0 ppm	ODOR	none	
		OTHER	Silty on Bottom of well	

pH 7.31 Temperature 25.51 (C) Dissolved Oxygen 9.77 (mg/L) Conductivity 955.0 (~~umhos~~ µS/cm qw)

Iron N/A (mg/L) Oxidation/Reduction Potential 224.2 (mv) Turbidity 1.8 (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION S AMBIENT TEMPERATURE 85°

SHIPMENT VIA FEDEX x HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER J Wallace OBSERVER M. Mahal

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZARDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 304

LOCATION NAS Fort Worth JRB, Texas PROJECT NAME RFI of WAAs

SITE: _____ PROJECT NAME AFC001-15BBH

SAMPLE INFORMATION

SAMPLE ID WHGLTA034WG02MSD

DATE: 10/16/00 TIME 1722

MATRIX TYPE: WG

SAMPLING METHOD: LOW FLOW

LOT CONTROL # 0 1 1 A

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

SAMPLE BEG DEPTH (FT) n/a

SAMPLE END DEPTH (FT) n/a

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS) WHGLTA034WG02MS

MATRIX SPIKE DUP (SD) WHGLTA034WG02MSD

FIELD DUP (FD) —

AMBIENT BLANK (AB) —

EQUIPMENT BLANK (EB) ~~EB101600~~ gw EB101700

TRIP BLANK (TB) TB101600

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
40 mL VOA	3	Cool to 4C/HCL to pH<2	SW8260B	TCE, PCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
2.2 ppm	COLOR tan	
2nd 0.0 ppm	ODOR none	
	OTHER silty on bottom of well	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Conductivity _____(~~umhos~~ µS/cm)

Iron n/a (mg/L) Oxidation/Reduction Potential _____(mv) Turbidity _____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION S AMBIENT TEMPERATURE 85°

SHIPMENT VIA FEDEX x HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER J Wallace OBSERVER M. Mahal

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZARDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

GROUNDWATER FIELD SAMPLING DATA SHEET

733 305

Well No WHGLTA035	Location: NAS Fort Worth JRB, Texas
Sampler(s) J. Wallace, M. Mahal	Project Name RFI of WAAs
Well Depth. 15'	Project #. AFC001-15BBH Date 10/16/00 Time 1442
DTW (ft). 10.83 DTP (ft)	Courier: X FedEx ___UPS ___Hand ___Other
MP Ht Above/Below Ground Surface	Sampling Method · LOW FLOW
Condition of Bottom of Well firm	Type of Pump BLADDER
Screen Interval (ft) 5 - 15	Weather (sun/clear, overcast/rain, wind direction, ambient temperature) Sunny, south, 80°
Well Diameter (in) 2	
Placement of Pump (ft) 13.8 inlet	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp. (C)	Cond. ~~(umhos/cm)~~ µs/cm	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
1356	10.83	0.1	0	7.13	26.86	654.00	216.6	8.22	115.0	
1359	10.83	0.1	0.3	7.13	26.80	651.00	219.1	7.45	110.4	
1402	10.84	0.1	0.6	7.13	26.73	650.00	221.9	6.58	106.8	
1405	10.84	0.1	0.9	7.14	26.61	645.00	218.6	6.28	79.5	
1408	10.84	0.1	1.2	7.15	26.74	647.00	217.4	6.20	61.3	
1411	10.82	0.1	1.5	7.16	26.90	649.00	217.9	6.12	54.6	
1414	10.83	0.1	1.8	7.17	26.93	641.00	216.0	6.04	47.5	
1417	10.83	0.1	2.1	7.19	26.76	647.00	215.8	5.98	40.5	
1420	10.85	0.35	2.4	7.19	26.28	639.00	217.0	5.95	33.5	
1423	10.83	0.1	3.45	7.19	25.74	644.00	221.4	5.75	24.2	
1426	10.83	0.3	3.75	7.19	25.83	641.00	216.6	5.84	18.8	
1429	10.83	0.2	4.65	7.19	25.81	640.00	218.1	5.62	14.3	
1432	10.84	0.2	5.25	7.19	25.83	641.00	216.1	5.57	11.5	
1435	10.84	0.2	5.85	7.19	25.89	644.00	217.1	5.76	9.6	
1438	10.82	0.2	6.45	7.20	25.98	645.00	215.6	5.81	9.1	
1441	10.84	0.2	7.05	7.20	26.00	646.00	213.7	5.68	8.5	

1442 collect samples.

Observations

Color Clear Other (describe) cloudy

Odor: (None) Low Medium High Very Strong H2S Fuel-like none

Notes

Signed/Sampler(s). J Wallace, Michele Mahal

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 306

LOCATION NAS Fort Worth JRB, Texas PROJECT NAME RFI of WAAs

SITE: PROJECT NAME AFC001-15BBH

SAMPLE INFORMATION

SAMPLE ID WHGLTA035WG02 DATE 10/16/00 TIME 1442

MATRIX TYPE WG

SAMPLING METHOD: LOW FLOW

LOT CONTROL #: 0 1 1 A

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #.

SAMPLE BEG DEPTH (FT) N/A

SAMPLE END DEPTH (FT) N/A

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS) —

MATRIX SPIKE DUP (SD) —

FIELD DUP (FD) —

AMBIENT BLANK (AB) —

EQUIPMENT BLANK (EB) ~~EB101600~~ gw EB101700

TRIP BLANK (TB) TB101600

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
40 mL VOA	3	Cool to 4C/HCL to pH < 2	SW8260B	TCE, PCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
5.3 ppm	COLOR tan	
2nd 0.0 ppm	ODOR none	
	OTHER silty on bottom of well	

pH 7.20 Temperature 26.0 (C) Dissolved Oxygen 5.68 (mg/L) Conductivity 646.0 (~~umhos~~ µS/cm TW/cm)

Iron n/A (mg/L) Oxidation/Reduction Potential 213.7 (mv) Turbidity 8.5 (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN ____ WIND DIRECTION S AMBIENT TEMPERATURE 80°

SHIPMENT VIA FEDEX x HAND DELIVER ____ COURIER ____ OTHER ____

SHIPPED TO STL - Chicago

COMMENTS

SAMPLER J. Wallace OBSERVER M. Mahal

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZARDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

GROUNDWATER FIELD SAMPLING DATA SHEET 733 307

Well No WITCTA034	Location: NAS Fort Worth JRB, Texas
Sampler(s): J Wallace, M Mahal	Project Name RFI of WAAs
Well Depth 13.00	Project #. AFC001-15BBH Date 10/17/00 Time 1018
DTW (ft) 10.13 DTP (ft): —	Courier X FedEx ___UPS ___Hand ___Other
MP Ht Above/Below Ground Surface. -0 59	Sampling Method : LOW FLOW
Condition of Bottom of Well firm	Type of Pump: BLADDER
Screen Interval (ft): 8 01 - 12 76	Weather (sun/clear, overcast/rain, wind direction, ambient temperature):
Well Diameter (in) 2	Sunny, South, 75
Placement of Pump (ft): 12' (inlet)	

Field Parameters

Time	Depth to Water (ft)	Flow Rate (L/m)	Total Volume (L)	pH	Temp. (C)	Cond. ~~(umhos/cm)~~ µS/cm	ORP (mv)	DO (mg/L)	Turb. (NTU)	Type, Size, and Amount of Sediment Discharged
0931	*	0.4	0	6.05	26.39	2210.0	263.8	10.16	12.4	
0936		0.3	2	6.20	27.75	1675.0	261.2	6.85	4.6	
0941		0.3	3.5	6.38	27.95	1295.0	247.9	9.07	2 8	
0946		0.3	5.0	6.44	28.21	1169.0	240.0	8.19	1.6	
0951		0.5	6.5	6.51	28.27	1047.0	236.0	6.50	1.6	
0956		0.1	9.0	6.55	27.83	1000.0	232.8	8.60	1.8	
1001		0.2	9.5	6.57	27.80	985.0	220.1	4.44	1.7	
1006		0.2	10.5	6.61	28.06	950.0	220.7	4.29	1.5	
1011		0.2	11.5	6.64	28.10	933 0	221.8	4.38	1.2	
1016		0.2	12.5	6.67	28.12	922.0	220.2	4.32	1.3	
1018	collect samples									

Observations

Color. Clear Other (describe) clear

Odor: None Low Medium High Very Strong H2S Fuel-like none

Notes * DTW below top of pump

Signed/Sampler(s): J Wall, Michael Mahal

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 308

LOCATION NAS Fort Worth JRB, Texas PROJECT NAME RFI of WAAs

SITE _____ PROJECT NAME AFC001-15BBH

SAMPLE INFORMATION

SAMPLE ID WITCTA034WG02 DATE 10/17/00 TIME 1018

MATRIX TYPE WG

SAMPLING METHOD LOW FLOW

LOT CONTROL # 0 1 1 A

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY # _____

SAMPLE BEG DEPTH (FT) N/A

SAMPLE END DEPTH (FT) N/A

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS) —

MATRIX SPIKE DUP (SD) —

FIELD DUP (FD) —

AMBIENT BLANK (AB) 1 —

EQUIPMENT BLANK (EB) EB101700

TRIP BLANK (TB) TB101600

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
40 mL VOA	3	Cool to 4C/HCL to pH<2	SW8260B	TCE, PCE

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
0.00 ppm	COLOR clear	
2nd 0.00 ppm	ODOR none	
	OTHER	

pH 6.67 Temperature 28.12 (C) Dissolved Oxygen 4.32 (mg/L) Conductivity 922.0 ~~(umhos/cm)~~ uS/cm

Iron N/A (mg/L) Oxidation/Reduction Potential 220.2 (mv) Turbidity 1.3 (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION S AMBIENT TEMPERATURE 75

SHIPMENT VIA FEDEX X HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER M. Monal OBSERVER J. Wallace

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZARDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 309

LOCATION: NAS Fort Worth JRB

PROJECT NAME: Quarterly Groundwater Sampling

SITE: _____

PROJECT NAME: AFC-001-26 15BBH

SAMPLE INFORMATION

SAMPLE ID: TB101600

DATE: 10/16/00 TIME: 0900

MATRIX TYPE: WG

SAMPLING METHOD: GRAB

LOT CONTROL #: 0 0 1 A

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #: _____

SAMPLE BEG DEPTH (FT): N/A

SAMPLE END DEPTH (FT): N/A

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS): —

MATRIX SPIKE DUP (SD): —

FIELD DUP (FD): —

AMBIENT BLANK (AB): —

EQUIPMENT BLANK (EB): —

TRIP BLANK (TB): TB101600

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
40mL VOA	3	HCL / Cool to 4°C	SW8260B	VOCs

NOTABLE OBSERVATIONS

PID READINGS		SAMPLE CHARACTERISTICS		MISCELLANEOUS
1st	—	COLOR:	—	
2nd	—	ODOR	—	
		OTHER:		

pH — Temperature — (C) Dissolved Oxygen — (mg/L) Specific Conductivity — (umhos/cm)

Iron — (mg/L) Oxidation/Reduction Potential — (mv) Turbidity — (NTU)

GENERAL INFORMATION

WEATHER: SUN/CLEAR — OVERCAST/RAIN — WIND DIRECTION — AMBIENT TEMPERATURE —

SHIPMENT VIA FEDEX x HAND DELIVER ____ COURIER ____ OTHER ____

SHIPPED TO: STL- Chicago

COMMENTS _____

SAMPLER: J. Wallace OBSERVER: K. Duran

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZARDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	LP=LABORATORY PREP
SE=SEDIMENT	W=WATER	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 310

LOCATION NAS Fort Worth JRB, Texas PROJECT NAME RFI of WAAs

SITE _____ PROJECT NAME AFC001-15BBH

SAMPLE INFORMATION

SAMPLE ID EB101700 DATE 10/17/00 TIME 1645

MATRIX TYPE WG

SAMPLING METHOD

LOT CONTROL # 0 1 1 A

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY # _____

SAMPLE BEG DEPTH (FT) N/A

SAMPLE END DEPTH (FT) N/A

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS) —

MATRIX SPIKE DUP (SD) —

FIELD DUP (FD) —

AMBIENT BLANK (AB) —

EQUIPMENT BLANK (EB) EB101700

TRIP BLANK (TB) TB101600

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
1 L poly	1	Cool to 4C/HNO3 pH<2	SW6010B/SW7471	Total Metals + Hg
40 mL VOA	3	Cool to 4C/HCl to pH<2	SW8260B	VOCs

NOTABLE OBSERVATIONS

PID READINGS	SAMPLE CHARACTERISTICS	MISCELLANEOUS
1st	COLOR	
2nd	ODOR	
	OTHER	

pH _____ Temperature _____(C) Dissolved Oxygen _____(mg/L) Conductivity _____(umhos/cm)

Iron _____(mg/L) Oxidation/Reduction Potential _____(mv) Turbidity _____ (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR _____ OVERCAST/RAIN X WIND DIRECTION _____ AMBIENT TEMPERATURE _____

SHIPMENT VIA FEDEX x HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER J. Wallace OBSERVER M. Mahal

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZARDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 311

LOCATION SITE: NAS Fort Worth JRB, Texas

PROJECT NAME: RFI of WAAs

PROJECT NAME: AFC001-15BBH

SAMPLE INFORMATION

SAMPLE ID: TB101800

DATE: 10/18/00 TIME: 0800

MATRIX TYPE: WG

SAMPLING METHOD: —

LOT CONTROL # 0 1 1 A

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY # _____

SAMPLE BEG DEPTH (FT): N/A

SAMPLE END DEPTH (FT): N/A

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS): —

MATRIX SPIKE DUP (SD): —

FIELD DUP (FD): —

AMBIENT BLANK (AB): —

EQUIPMENT BLANK (EB): EB101800

TRIP BLANK (TB): TB101800

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
40 mL VOA	3	Cool to 4C/HCl to pH < 2	SW8260B	VOCs

NOTABLE OBSERVATIONS

PID READINGS: — 2nd —

SAMPLE CHARACTERISTICS: COLOR —; ODOR —; OTHER

MISCELLANEOUS

pH — Temperature — (C) Dissolved Oxygen — (mg/L) Conductivity — (umhos/cm)

Iron — (mg/L) Oxidation/Reduction Potential — (mv) Turbidity — (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR X OVERCAST/RAIN _____ WIND DIRECTION S AMBIENT TEMPERATURE 65°

SHIPMENT VIA FEDEX x HAND DELIVER _____ COURIER _____ OTHER _____

SHIPPED TO STL - Chicago

COMMENTS _____

SAMPLER J. Wallace OBSERVER M. Mahal

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZARDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

733 312

LOCATION NAS Fort Worth JRB, Texas

PROJECT NAME RFI of WAAs

SITE

PROJECT NAME AFC001-15BBH

SAMPLE INFORMATION

SAMPLE ID EB101900

DATE 10/19/00 TIME 1618

MATRIX TYPE WG

SAMPLING METHOD

LOT CONTROL # U 1 1 A

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #.

SAMPLE BEG DEPTH (FT) N/A

SAMPLE END DEPTH (FT) N/A

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE

MATRIX SPIKE (MS) —

MATRIX SPIKE DUP (SD) —

FIELD DUP (FD) —

AMBIENT BLANK (AB) —

EQUIPMENT BLANK (EB) EB101900

TRIP BLANK (TB) TB101900

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
1 L poly	1	Cool to 4C/HNO3 pH<2	SW6010B/SW7471	Total Metals + Hg
40 mL VOA	3	Cool to 4C/HCl to pH<2	SW8260B	VOCs

NOTABLE OBSERVATIONS

PID READINGS		SAMPLE CHARACTERISTICS		MISCELLANEOUS
1st	—	COLOR	—	
2nd	—	ODOR		
		OTHER		

pH — Temperature — (C) Dissolved Oxygen — (mg/L) Conductivity — (umhos/cm)

Iron — (mg/L) Oxidation/Reduction Potential — (mv) Turbidity — (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR ____ OVERCAST/RAIN ____ WIND DIRECTION ____ AMBIENT TEMPERATURE ____

SHIPMENT VIA FEDEX x HAND DELIVER ____ COURIER ____ OTHER ____

SHIPPED TO STL - Chicago

COMMENTS

SAMPLER J. Wallau OBSERVER M. Mahal

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZARDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

HYDRO GeoLogic INC

FIELD SAMPLING REPORT

773 313

LOCATION	NAS Fort Worth JRB, Texas	PROJECT NAME	RFI of WAAs
SITE		PROJECT NAME	AFC001-15BBH

SAMPLE INFORMATION

SAMPLE ID TB10/900

DATE 10/19/00 TIME 0748

MATRIX TYPE: WG

SAMPLING METHOD

LOT CONTROL # 0 1 1 A

(Ambient Blank # - Equipment Blank # - Trip Blank # - Cooler #)

CHAIN-OF-CUSTODY #

SAMPLE BEG DEPTH (FT) N/A

SAMPLE END DEPTH (FT) N/A

GRAB (X) COMPOSITE ( )

ENTER SAMPLE NUMBERS FOR QC SAMPLES/ BLANKS ASSOCIATED WITH THIS SAMPLE:

MATRIX SPIKE (MS) –

MATRIX SPIKE DUP (SD) –

FIELD DUP (FD) –

AMBIENT BLANK (AB) –

EQUIPMENT BLANK (EB) EB101900

TRIP BLANK (TB) TB101900

CONTAINER SIZE/TYPE	#	PRESERVATIVE/ PREPARATION	ANALYTICAL METHOD	ANALYSIS
40 mL VOA	3	Cool to 4C/HCl to pH < 2	SW8260B	VOCs

NOTABLE OBSERVATIONS

PID READINGS		SAMPLE CHARACTERISTICS		MISCELLANEOUS
	–	COLOR	–	
2nd	–	ODOR	–	
		OTHER	–	

pH – Temperature – (C) Dissolved Oxygen – (mg/L) Conductivity – (umhos/cm)

Iron – (mg/L) Oxidation/Reduction Potential – (mv) Turbidity – (NTU)

GENERAL INFORMATION

WEATHER SUN/CLEAR ____ OVERCAST/RAIN ____ WIND DIRECTION ____ AMBIENT TEMPERATURE ____

SHIPMENT VIA FEDEX x HAND DELIVER ____ COURIER ____ OTHER ____

SHIPPED TO STL - Chicago

COMMENTS

SAMPLER M.MAHAL OBSERVER J. WALLACE

MATRIX TYPE CODES		SAMPLING METHOD CODES	
DC=DRILL CUTTINGS	SL=SLUDGE	B=BAILER	G=GRAB
WG=GROUND WATER	SO=SOIL	BP=BLADDER PUMP	HA=HAND AUGER
LH=HAZARDOUS LIQUID WASTE	GS=SOIL GAS	BR=BRASS RING	H=HOLLOW STEM AUGER
SH=HAZARDOUS SOLID WASTE	WS=SURFACE WATER	CS=COMPOSITE SAMPLE	HP=HYDRO PUNCH
SE=SEDIMENT	SW=SWAB/WIPE	C=CONTINUOUS FLIGHT AUGER	SS=SPLIT SPOON
		DT=DRIVEN TUBE	SP=SUBMERSIBLE PUMP

CHAINS OF CUSTODY

RECRA LabNet Use Only

Custody Transfer Record/Lab Work Request

RECRA LabNet

Client: HydroGeologic
Est. Final Proj. Sampling Date: July 2, 1999
Project #: AFCCCI 15 BAC
Project Contact/Phone #: Jim Costello
RECRA Project Manager: Donna Ingersoll
QC: MK Del: TAT:
Date Rec'd: Date Due:
Account #:

Refrigerator #																		
#/Type Container	Liquid																	
	Solid	3	1	→				1		1								
Volume	Liquid																	
	Solid	8oz	4oz	→				4oz		4oz								
Preservatives																		
ANALYSES REQUESTED →		ORGANIC								INORG								
		VOA 8260	BNA PH	Pest/PCB	Herb	TPH	Ethylene Glycol			Metal Hg	CN							
		RECRA LabNet Use Only																

MATRIX CODES.
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected														
	BHGLSWMU61001-01			S	6-3-99	823	3	1			✓	1		1						
	BHGLSWMU61001-02					845	3	1			✓	1		1						
	BHGLSWMU61002-01					930	3	1			✓	1		1						
	BHGLSWMU61002-02					940	3	1			✓	1		1						
	BHGLSWMU61003-01					1015	3	1			✓	1		1						
	BHGLSWMU61003-02					1025	3	1			✓	1		1						
	BHGLSWMU61004-01					1100	3	1			✓	1		1						
	BHGLSWMU61004-02					1110	3	1			✓	1		1						
	BHGLSWMU61004-02MS	✓				1110	3	1			✓	1		1						
	BHGLSWMU61004-02MD		✓			1110	3	1			✓	1		1						

FIELD PERSONNEL COMPLETE ONLY SHADED AREAS

Special Instructions
1 Appendix IX
2 VOCs + cis-1,2-DCE
3 Hold extra metal volume for SPLP
Equipment - trip blanks w/ AFCCCS COC

DATE/REVISIONS
1
2
3
4
5
6

RECRA LabNet Use Only

Samples were
1) Shipped ___ or Hand Delivered ___
Airbill # ___
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N
COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Lables and COC Record? Y or N
NOTES

Relinquished by	Received by	Date	Time
Pete Dob		6/3/99	1710

Relinquished by	Received by	Date	Time

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Page 1 of 2

733 315

RECRA LabNet Use Only

Custody Transfer Record/Lab Work Request

RECRA LabNet

Client: Hydro Geologic Inc
Est. Final Proj. Sampling Date: July 2, 1999
Project #: AFC 001 15 BBC
Project Contact/Phone #: Jim Costello
RECRA Project Manager: Donna Ingersoll
QC: MR Del: TAT:
Date Rec'd: Date Due:
Account #:

Refrigerator #																		
#/Type Container	Liquid	~~3~~	~~2~~			~~3~~	~~3~~		~~1~~	PD								
	Solid	3	1			→	1		1									
Volume	Liquid	~~40ml~~	~~1L~~			~~40ml~~	~~40ml~~		~~1L~~		PD							
	Solid	Encore	4oz			→	4oz		4oz									
Preservatives (water)		HCl							HNO_3									
ANALYSES REQUESTED →		ORGANIC							INORG									
		VOA *2	BNA pH	Pest/PCB	Herb	TPH	Ethylene Glycol		Metal + Hg	CN								
		RECRA LabNet Use Only																

MATRIX CODES
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected														
	BHGLSWMU61005-01			S	6/3/99	1143	3	1			✓	1		1						
	BHGLSWMU61005-02			S	↓	1155	3	1			✓	1		1						
	DUP 02			S	↓	1200	3	1			✓	1		1						
	~~TBolo~~ PD																			

FIELD PERSONNEL COMPLETE ONLY SHADED AREAS

Special Instructions
1 Append 1X
2 VOCs + cis-1,2-DCE
3 Hold extra metal (soil) samples for SPLP
PD Equipment + trip blanks w/ AFC001 COC

DATE/REVISIONS
1
2
3
4
5
6

RECRA LabNet Use Only

Samples were
1) Shipped ___ or Hand Delivered ___
Airbill # ___
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec'd Y or N

Discrepancies Between Samples Lables and COC Record? Y or N
NOTES

Relinquished by	Received by	Date	Time
[illegible]		6/3/99	1711

Relinquished by	Received by	Date	Time

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Page 2 of 2

733 316

RECRA LabNet Use Only

Custody Transfer Record/Lab Work Request

RECRA LabNet

Client: HydroGeologic Inc
Est. Final Proj. Sampling Date: July 2, 1999
Project #: AFC 001 15 BMC
Project Contact/Phone #: Jim Costello
RECRA Project Manager: Donna Ingersoll
QC: MK Del: TAT:
Date Rec'd: Date Due:
Account #:

Refrigerator #

#/Type Container																
Liquid																
Solid	3	1	→			1		1								
Volume																
Liquid																
Solid	Enu 4oz	→				4oz		4oz								
Preservatives																

ANALYSES REQUESTED →

ORGANIC							INORG							
VOA 8260	BNA 8270	Pest/PCB	Herb	TPH	Ethylene Glycol		Metal + Hg	CN						

RECRA LabNet Use Only

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected	VOA 8260	BNA 8270	Pest/PCB	Herb	TPH	Ethylene Glycol		Metal + Hg	CN					
	BHGLSWMU06001-01			S	6-4-99	840	3	1			✓	1		1						
	BHGLSWMU06001-02					858	3	1			✓	1		1						
	BHGLSWMU06002-01					950	3	1			✓	1		1						
	BHGLSWMU06002-02					1012	3	1			✓	1		1						
	BHGLSWMU06500-01					1105	3	1			✓	1		1						
	BHGLSWMU05002-02					1120	3	1			✓	1		1						
	BHGLSWMU05002-01					1208	3	1			✓	1		1						
	BHGLSWMU05002-02					1220	3	1			✓	1		1						
	BHGLSWMU05003-01					1315	3	1			✓	1		1						
	BHGLSWMU05003-02					1322	3	1			✓	1		1						

FIELD PERSONNEL COMPLETE ONLY SHADED AREAS

Special Instructions
1 Appendix IX
2 VOCs + c.s 1,2-DCE
3 Hold extra metal volume for SPLP

DATE/REVISIONS:
1
2
3
4
5
6

RECRA LabNet Use Only

Samples were
1) Shipped ___ or Hand Delivered ___
Airbill # ___
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Lables and COC Record? Y or N
NOTES

Relinquished by	Received by	Date	Time
[illegible]		6/4/99	1545

Relinquished by	Received by	Date	Time

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Page 1 of 2

733 317

RECRA . Net Use Only

Custody Transfer Record/Lab Work Request

RECRA LabNet

Client: HydroGeologic Inc
Est. Final Proj. Sampling Date: July 2, 1999
Project #: AEC001 15-B3C
Project Contact/Phone #: Jim Castello
RECRA Project Manager: Donna Ingersoll
QC: MS/MSD Del: TAT:
Date Rec'd: Date Due:
Account #:

Refrigerator #																	
#/Type Container	Liquid	3	2			3	2		1								
	Solid																
Volume	Liquid	40ml	1L			40ml	40ml		1L								
	Solid																
Preservatives		HCl				HCl			HNO_3								
ANALYSES REQUESTED		ORGANIC							INORG								
		VOA #2	BNA	Pest/PCB	Herb	TPH	Ethylene Glycol		Metal + Hg	CN							

MATRIX CODES
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected	RECRA LabNet Use Only														
	TB060499			W	6/4/99	730	2														
	EB060499			W	6/4/99	1500	3	2			3	2		1							

FIELD PERSONNEL COMPLETE ONLY SHADED AREAS

Special Instructions
1. Approved x 1X
2 VOCs + cis-1,2-DCE

DATE/REVISIONS
1
2
3
4
5
6

RECRA LabNet Use Only

Samples were
1) Shipped ___ or Hand Delivered ___
Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec't Y or N

Relinquished by	Received by	Date	Time
Patrick Duke		6/4/99	1645

Relinquished by	Received by	Date	Time

Discrepancies Between Samples Lables and COC Record? Y or N
NOTES

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733 318

RECRA Lab Use Only

Custody Transfer Record/Lab Work Request

RECRA LabNet

Client: HydroGeologic Inc
Est. Final Proj. Sampling Date: July 2, 1999
Project #: AFC 001 15 BBC
Project Contact/Phone #: Jim Castelle
RECRA Project Manager: Dorian Ingersoll
QC _____ Del _____ TAT _____
Date Rec'd _____ Date Due _____
Account # _____

Refrigerator #

#/Type Container																	
Liquid		2			3	3		1									
Solid	3	1			1	3	1	1									
Volume Liquid		16			40ml	40ml		16									
Volume Solid	Encor	4oz			1	Encor	4oz	4oz									
Preservatives					HCl			HNO3									

ANALYSES REQUESTED →

ORGANIC								INORG		
VOA	BNA	Pest/PCB	Herb	TPH	VOCs	SVOC		Metal	CN	
8260	PH				#3			x4		

MATRIX CODES.
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected	VOA	BNA	Pest/PCB	Herb	TPH	VOCs	SVOC	Metal	CN
	BHGLSWMU32003-01		✓	S	6/7/99	1200	3	1			✓			1	
	BHGLSWMU31001-01					1305					✓	3	1	1	
	BHGLSWMU31001-02					1325					✓	3	1	1	
	BHGLSWMU31001-03					1342					✓	3	1	1	
	BHGLSWMU31001-04					1406					✓	3	1	1	
	DUP03					1200	3	1			✓			1	
	DUP04					1300	~~3~~ PD				✓	3	1	1	
	TB0600799			W		0730						2			
	EB0600799			W		1535		2			3	3		1	

FIELD PERSONNEL COMPLETE ONLY SHADED AREAS

Special Instructions
1. Append x 1X
2. ~~8~~ VOCs + cis 1,2-DCE
3. VOCs - cis 1,2-DCE + Freon 113
4. Hold CN for metal volume for SPLP

DATE/REVISIONS
1 _____
2 _____
3 _____
4 _____
5 _____
6 _____

RECRA LabNet Use Only

Samples were
1) Shipped ___ or Hand Delivered ___
Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N
COC Record Present Upon Sample Rec't Y or N

Relinquished by	Received by	Date	Time
[illegible]		6/7/99	1631

Relinquished by	Received by	Date	Time

Discrepancies Between Samples Lables and COC Record? Y or N
NOTES

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733 319

RECRA LabNet Use Only

Custody Transfer Record/Lab Work Request

RECRA LabNet

Client: HydroGeologic Inc.
Est. Final Proj. Sampling Date: July 2, 1999
Project #: AFC 001 15 BJC
Project Contact/Phone #: Jim Costello
RECRA Project Manager: Donna Ingersoll
QC: MR Del: ____ TAT: ____
Date Rec'd: ____ Date Due: ____
Account #: ____

Refrigerator #																		
#/Type Container	Liquid																	
	Solid	3	1	→						1								
Volume	Liquid																	
	Solid	Each 4oz	→							4oz								
Preservatives																		
ANALYSES REQUESTED →		ORGANIC								INORG								
		VOA #8	BNA	Pest/PCB	Herb	TPH		VOCs #3		Metal + Hg	CN							

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected	VOA #8	BNA	Pest/PCB	Herb	TPH		VOCs #3	Metal + Hg	CN					
	BHGLSWMU31002-01			S	6/8/99	815	3	1			✓			1						
	BHGLSWMU31002-02					825	3	1			✓			1						
	BHGLSWMU31002-03					840	3	1			✓			1						
	BHGLSWMU31002-04					903	3	1			✓			1						
	BHGLSWMU12001-01					1000		1			✓		3	1						
	BHGLSWMU12001-02					1010		1			✓		3	1						
	BHGLSWMU12001-03					1030		1			✓		3	1						
	BHGLSWMU12002-01					1108		1			✓		3	1						
	BHGLSWMU12002-02					1118		1			✓		3	1						
	BHGLSWMU12002-03					1116		1			—		3	1						

FIELD PERSONNEL COMPLETE ONLY SHADED AREAS

Special Instructions
1 Appendix IX
2 VOCs + cis 1,2-DCE + Freon 113
3 VOCs + cis 1,2-DCE
4. Hold extra metal volume for SPLP
Equipment + trip blank w/ AFC code 05C2F

DATE/REVISIONS.
1
2
3
4
5
6

RECRA LabNet Use Only

Samples were
1) Shipped ___ or Hand Delivered ___
Airbill # ____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N
COC Record Present Upon Sample Rec't Y or N

Discrepancies Between Samples Lables and COC Record? Y or N
NOTES

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time
[illegible]		6/8/99					

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Page 1 of 2

733 320

RECRA LabNet Use Only

Custody Transfer Record/Lab Work Request

RECRA LabNet

Client: [illegible]
Est. Final Prot. Sampling Date: [illegible] 2/1999
Project #: [illegible]
Project Contact/Phone #: [illegible]
RECRA Project Manager: [illegible]
QC Level: [illegible] TAT: [illegible]

Date Rec'd _____ Date Due _____
Account # _____

Refrigerator # _____

#/Type Container	Liquid															
	Solid	3	1	→					1							
Volume	Liquid															
	Solid	4oz	→						4oz							
Preservatives																

ANALYSES REQUESTED →

ORGANIC							INORG						
VOA #2	BNA	Pest/PCB	Herb	TPH			Metal +Hg	CN					

↓ RECRA LabNet Use Only ↓

MATRIX CODES: WP Potable, RE Sediment, SO Soil, SL Sludge, PR Paint, DO Oil, AS Tank, DS Drum, DL Liquid, DP Drum Solid, SP Sample, LA Leachate, SW Water, OT Other	Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected	VOA #2	BNA	Pest/PCB	Herb	TPH			Metal +Hg	CN					
		BHGLSMW2003-01			S	6/8/99	1213	3	1			✓			1						
		BHGLSMW2003-02					1222	3	1			✓			1						
		BHGLSMW2003-02MS	✓				1222	3	1			✓			1						
		BHGLSMW2003-02MSD		✓			1222	3	1			✓			1						
		RINSEMW2003-03			L	L	1255	3	1			✓			1						

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
1. Append. x IX
2. VOCs + cis-1,2-DCE
3. Hold extra metals for SPLP

DATE/REVISIONS
1 _____
2 _____
3 _____
4 _____
5 _____
6 _____

RECRA LabNet Use Only

Samples were
1) Shipped ___ or Hand Delivered ___
Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec: Y or N

Discrepancies Between Samples Lables and COC Record? Y or N
NOTES

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time
[illegible]		6/8/99					

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Chicago Laboratory
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: BRAD NIELSEN
Company: HYDROGEOLOGIC
Address: 11175 HELPTON PARK PLAZA
HERNDON, VA 20170
Phone: (703) 478-5186
Fax: (703) 471-4180
E-Mail:

Bill To
Attn:
Company:
Address: SAME
Phone:
Fax:
PO#: Quote:

Shaded Areas For Internal Use Only ___ of ___

Lab Lot #

Package Sealed Yes No	Samples Sealed Yes No
Received on Ice Yes No	Samples Intact Yes No
Temperature °C of Cooler	
Within Hold Time Yes No	Preserv. Indicated Yes No NA
pH Check ok Yes No NA	Res. Cl_2 Check ok Yes No NA
Sample Labels and COC Agree Yes No COC not present	

Samples Name: BRAD NIELSEN
Signature:
Project Name: UST SITE INVESTIGATION
Project Number: AF-001-16830
Project Location: NAS FORT WORTH JRB
Date Required: Hard Copy: / / Fax: / /
Lab PM: Donna Ingersol

Lab ID	MS/MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	PAHs (8270)	SVOCs (8270)	VOCs (8260)	Metals (Pb, Cr, Hg)	VOCs	Additional Analyses / Remarks
Refrig #												
# Cont.												
Volume												
Preserv							6	6	1	3	1	
		MW-39	2/29	1136	W	G	1		3		3	
		MW-38	2/29	1076	W	G	1		3		3	
		LSA 1623-1A	2/29	1715	W	G		2	3	1		
		LSA 1678-2	2/29	1510	W	G		1	3	1		
		EB022900	2/29	1820	W	G	1	1	3	1		
		TB022900	2/29	0800	W	G			3			

DO 15

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	HGL	2/15/00					
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = ____

Container Key
1 Plastic, 2 VOA Vial, 3 Sterile Plastic, 4 Amber Glass, 5 Widemouth Glass, 6 Other ____

Preservative Key
1 HCl Cool to 4°, 2 H_2SO_4 Cool to 4°, 3 HNO_3 Cool to 4°, 4 NaOH Cool to 4°, 5 NaOH/Zn Acetate Cool to 4°, 6 Cool to 4°, 7 None

COMMENTS:

Date Received / /
Courier
Hand Delivered ☐
Bill of Lading

STL Chicago Chain of Custody CHS 22 08-2310A 5/98

MAR-15-00 05:00 PM HGL 7333322 P.02

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Chicago Laboratory
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To
Contact: MELANIE KIDWELL
Company: HydroGeologic
Address: 1155 Herndon Pkwy Ste 900
Herndon VA 20170
Phone: (703) 478-5186
Fax: (703) 471-1180
E Mail:

Bill To
Contact:
Company:
Address: SAME
Phone:
Fax:
PO#: Quote:

Lab Lot #

Package Sealed Yes No	Sample... Sealed Yes No
Received on Ice Yes No	Samples Intact Yes No
Temperature °C of Cooler	
Within Hold Time Yes No	Preserv. Indicated Yes No NA
pH Check ok Yes No NA	Res. Cl_2 Check ok Yes No NA
Sample Labels and COC Agree Yes No COC not present	

Sampler Name: BRAD NIELSEN
Signature:
Project Name: SWMU61
Project Number: AF001-15BBH
Project Location: NAS Fort Worth JRB
Date Required: Standard
Hard Copy:
Fax: / /
Lab PM: Donna Ingersol

Laboratory ID	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Rsing # / # Cont. / Volume / Preserv	VOCs (RCRA + 4) (SW8260B)	Additional Analyses / Remarks
	WITCTA031	02/01	0815	W	G	3		

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	HGL	2/1/00	1500				
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = _____

Container Key
1 Plastic
2 VOA Vial
3 Sterile Plastic
4 Amber Glass
5 Widemouth Glass
6 Other _____

Preservative Key
1 HCl Cool to 4°
2 H_2SO_4, Cool to 4°
3 HNO_3, Cool to 4°
4 NaOH, Cool to 4°
5 NaOH/Zn Acetate, Cool to 4°
6 Cool to 4°
7 None

COMMENTS:
(BC# ... 8

Date Received / /
Courier
Hand Delivered ☐
Bill of Lading

STL Chicago Chain of Custody CN 22 00-2310A.5550

MAR-13-00 05:00 PM HGL

5123360176 733 323

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Chicago Laboratory
2417 Bond Street
University Park, IL 60466
Phone 708-534-5200
Fax 708-534-5211

Report To:
Contact: Chris Camp
Company: Hydro Geologic
Address: 1155 Herndon Pkwy
Herndon, VA 20170
Phone: (703) 478-5186
Fax:
E-Mail:

To:
Contact: — Same —
Company:
Address:
Phone:
Fax:
PO#: Quote:

Shaded Areas For Internal Use ___ of ___

Lab Lot #

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	Samples Intact
Yes No	Yes No

Temperature °C of Cooler

Within Hold Time	Preserv. indicated
Yes No	Yes No NA
pH Check ok	Res. Cl_2 Check ok
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No COC not present

Sampler Name: M. Kidwell
Signature:
Project Name: WAA Phase II
Project Number: AFCC01-15BBC
Project Location: NAS Ft Worth
Date Required: Hard Copy ___/___/___ Fax ___/___/___
Lab PM:

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	As, Zn, Cr, Co, Ba, Pb (6010B)	Ba, Co (6010B)	Pb (6010B)	As, Pb (6010B)	As, Pb, Co, Ba (6010B)						Additional Analyses / Remarks
Refrg #																	
#/Cont.																	
Volume							4oz	4oz	4oz	4oz	1L						
Preserv							—	—	—	—	HNO_3						
		BHGLSWMU0500602	4/24/00	1215	S	G	1										
		BHGLSWMU0500502		1145			1										
		BHGLSWMU0500402		1125				1									
		BHGLSWMU0600402		1155			1										
		DUP01		1000				1									
		DUP02		900			1										
		BHGLSWMU1100302		1430					1								
		BHGLSWMU1100303		1445						1							
		BHGLSWMU1100304		1500					1								
	MS	BHGLSWMU1100304MS		1500					1								
	MSD	BHGLSWMU1100304MSD		1500					1								
		EB042400		1715	W	G					1						

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
Jorie Wilson	HydroGeologic	4/24/00	1800				
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air
SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = ___

Container Key
1 Plastic
2 VOA Vial
3 Sterile Plastic
4 Amber Glass
5 Widemouth Glass
6 Other ___

Preservative Key
1 HCl, Cool to 4°
2 H2SO4, Cool to 4°
3 HNO3, Cool to 4°
4 NaOH, Cool to 4°
5 NaOH/Zn Acetate, Cool to 4°
6 Cool to 4°
7 None

COMMENTS:

Date Received ___/___/___
Courier
Hand Delivered ☐
Bill of Lading

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Chicago Laboratory
2417 Bond Street
University Park, IL 60466
Phone 708-534-5200
Fax 708-534-5211

Report To:
Contact Chris Camp
Company HydroGeologic
Address 1155 Herndon Pkwy
Herndon, VA 20170
Phone (703) 478-5186
Fax (703) 471-4180
E-Mail

To:
Contact — Same —
Company
Address
Phone
Fax
PO# Quote

Shaded Areas For Internal Us

Lab Lot #

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	Samples Intact
Yes No	Yes No

Temperature °C of Cooler

Sampler Name: M Kidwell
Signature: Melanie Kidwell
Project Name: WAA Phase II
Project Number: AF(c01-15BBC
Project Location: NAS Ft Worth
Lab PM:
Date Required: Hard Copy __/__/__ Fax __/__/__

Within Hold Time: Yes No
Preserv. indicated: Yes No NA
pH Check ok: Yes No NA
Res. Cl_2 Check ok: Yes No NA
Sample Labels and COC Agree: Yes No COC not present

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Benzene methylethyl Ketone (1312HE)	Cadmium Lead (6010B)	Benzene methyl ethyl Ketone (8260B)	Ba, Cd, Cr, Pb, Hg (6010)	Ethylbenzene (1312HESPLP)	Cd (6010)	Ethylbenzene (8260B)	TPH (1311 SPLP)	TPH (Fx ICS)		Additional Analyses / Remarks
		BHGLSWMW3100401	4/25/00	1436	S	G	1	1	3								(1312HE, SPLP)
		BHGLSWMW3100301		1446			1	1	3								(1312HE, SPLP)
		BHGLSWMW3100501		1455						1							
		BHGLSWMW3100601		1520						1							
		BHGLSWMW3200701		945							1	1	3				
		BHGLSWMW3200601		1020							1		3	1	1		(1311SPLP)
		~~BHGLSWMW~~															
		~~BHGLSWMW~~															
		~~BHGLSWMW~~															
		~~BHGLSWMW~~															
		~~BHGLSWMW~~															
		~~BHGLSWMW~~															

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
Jorie Wilson	HydroGeologic	4/25/00	1930				
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = _____

Container Key
1 Plastic
2 VOA Vial
3 Sterile Plastic
4 Amber Glass
5 Widemouth Glass
6 Other _____

Preservative Key
1 HCl, Cool to 4°
2 H2SO4, Cool to 4°
3 HNO3, Cool to 4°
4 NaOH, Cool to 4°
5 NaOH/Zn Acetate, Cool to 4°
6 Cool to 4°
7 None

COMMENTS:
* Hold additional metals volumes for SPLP

Date Received __/__/__
Courier
Hand Delivered ☐
Bill of Lading

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Chicago Laboratory
2417 Bond Street
University Park, IL 60466
Phone 708-534-5200
Fax 708-534-5211

Report To:
Contact: Chris Camp
Company: HydroGeologic
Address: 1155 Herndon Pkwy, Herndon, VA 20170
Phone: (703) 478-5186
Fax:
E-Mail:

To:
Contact: – Same –
Company:
Address:
Phone:
Fax:
PO#: Quote:

Shaded Areas For Internal Use 1 of 1

Lab Lot #

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	Samples Intact
Yes No	Yes No

Temperature °C of Cooler

Sampler Name: M Kidwell
Signature: Melanie Kidwell
Project Name: WAA Phase II
Project Number: AFCEE-1556C
Project Location: NAS Ft Worth
Lab PM:
Date Required: Hard Copy ___/___/___ Fax ___/___/___

Within Hold Time: Yes No
Preserv. Indicated: Yes No NA
pH Check ok: Yes No NA
Res. Cl_2 Check ok: Yes No NA
Sample Labels and COC Agree: Yes No COC not present

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Cr, Pb (6010B)	*Seleniums (8270C)	*Seleniums (1131, SPLP)	Cd, Pb (6010B)	Benzene + Vinyl Chloride (8260B)	Benzene + Vinyl Chloride 1131 ZHE SPLP	As (6010B)	Benzene (8260B)	Benzene (1312 ZHE SPLP)	Additional Analyses / Remarks
		BHGLSWMW3600602	4/28/00	820	S	G	1									• Hold all additional
		BHGLSWMW3600502		845			1									metals volumes
		BHGLSWMW1200502		940				1	1							for SPLP analysis
		BHGLSWMW1200501		930				1	1	1						(1131, SPLP)
		BHGLSWMW1200703		1115							3	1	1			(1131 ZHE SPLP)
		~~BHGLSWMW1200702~~		~~1100~~												
		BHGLSWMW1200701		1145						1						
		BHGLSWMW1200603		1215							3	1	1			(1131 ZHE SPLP)
		DUPOH		1400						1						
		BHGLSWMW1200601		1145						1						
		BHGLSWMW1200403		1305									1	3	1	(1131 ZHE SPLP)

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
Jorie Wilson	HydroGeologic	4/28/00	1930				
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = ___

Container Key
1 Plastic, 2 VOA Vial, 3 Sterile Plastic, 4 Amber Glass, 5 Widemouth Glass, 6 Other ___

Preservative Key
1 HCl, Cool to 4°, 2 H2SO4, Cool to 4°, 3 HNO3, Cool to 4°, 4 NaOH, Cool to 4°, 5 NaOH/Zn Acetate, Cool to 4°, 6 Cool to 4°, 7 None

COMMENTS: 8270 LIST
* Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(k)fluoranthene
Indeno(1,2,3-cd)pyrene

Date Received ___/___/___
Courier: Hand Delivered ☐
Bill of Lading:

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Chicago Laboratory
2417 Bond Street
University Park, IL 60466
Phone 708-534-5200
Fax 708-534-5211

Report To:
Contact: Chris Camp
Company: HydroGeoLogic
Address: 1155 Herndon Pkwy, Herndon, VA 20170
Phone: (703) 478-5186
Fax:
E-Mail:

To:
Contact: — Same —
Company:
Address:
Phone:
Fax:
PO#: Quote:

Shaded Areas For Internal Use of

Lab Lot#

Package Sealed Yes No	Samples Sealed Yes No
Received on Ice Yes No	Samples Intact Yes No
Temperature °C	of Cooler

Sampler Name: M. Kidwell
Signature: Miriam Kidwell
Project Name: IWAA Phase II
Project Number: A-Accul-15RBC
Project Location: NAS Ft Worth
Lab PM:
Date Required: Hard Copy ___/___/___ Fax ___/___/___

Within Hold Time Yes No	Preserv. indicated Yes No NA
pH Check ok Yes No NA	Res. Cl_2 Check ok Yes No NA
Sample Labels and COC Agree Yes No	COC not present

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Benzene (8260B)	Benzene (1311 EHE SPLP)	TPH (TX1005)	TPH (1311, SPLP)	PCE (SW8260B)	PCE (1311, SPLP)	Additional Analyses / Remarks
		Refrg #											
		#/Cont.											
		Volume					5g	4oz	4oz	4oz	5g	4oz	
		Preserv											
		BHGLSWMW1200602	4/28/00	1155	S	G	3	1	1	1			(1311 EHE SPLP)
		BHGLSWMW1200702		1100			3	1	1	1			
		BHGLSWMW1200402		1250			3	1	1	1			
		BHGLSWMW6100601		1500							3	1	(1311, SPLP)
		BHGLSWMW6100602		1515							3	1	
		BHGLSWMW6100701		1525							3	1	
		BHGLSWMW6100702		1535							3	1	
		BHGLSWMW6100801		1610							3	1	(1311, SPLP)
	MS	BHGLSWMW6100801MS		1610							3		
	MSD	BHGLSWMW6100801MSD		1610							3		
		BHGLSWMW6100802		1630							3	1	(1311, SPLP)

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
Jorie Witsson	HydroGeologic	4/28/00	1930				
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = _____

Container Key
1 Plastic
2 VOA Vial
3 Sterile Plastic
4 Amber Glass
5 Widemouth Glass
6 Other _____

Preservative Key
1 HCl, Cool to 4°
2 H_2SO_4, Cool to 4°
3 HNO_3, Cool to 4°
4 NaOH, Cool to 4°
5 NaOH/Zn Acetate, Cool to 4°
6 Cool to 4°
7 None

COMMENTS.
* Hold extra Metals Volume for SPLP

Date Received ___/___/___
Courier
Hand Delivered ☐
Bill of Lading

733 327

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Chicago Laboratory
2417 Bond Street
University Park, IL 60466
Phone 708-534-5200
Fax 708-534-5211

Report To:
Contact: Chris Camp
Company: Hydrogeologic
Address: 11155 Herndon Pkwy
Herndon, VA 20170
Phone: (703) 478-5186
Fax:
E-Mail:

To:
Contact: — Same —
Company:
Address:
Phone:
Fax:
PO#: Quote:

Shaded Areas For Internal Us. y of

Lab Lot #

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	Samples Intact
Yes No	Yes No

Temperature °C of Cooler

Within Hold Time	Preserv. indicated
Yes No	Yes No NA
pH Check ok	Res. Cl_2 Check ok
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No COC not present

Sampler Name: M. Kidwell
Signature: [signature]
Project Name: WAA Phase II
Project Number: AF(cu)-15BBC
Project Location: NAS Ft Worth
Lab PM:
Date Required: Hard Copy ___/___/___ Fax ___/___/___

Refrg #												
#/Cont.												
Volume	5g	4oz	40ml	1L	1L	4ml	1L					
Preserv												

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	PCE (SW8260B)	PCE (1311, SPLP)	Benzene + Vinyl Chloride	PCE (SW8260B)	Cr, Pb, Cd, As (6010B)	TPH (TX1005)	* See below (8270)	Additional Analyses / Remarks
		BHGLSWMW610090 1	4/28/10	1645	S	G	3	1						(1311, SPLP)
		BHGLSWMW610090 2		1655	S	G	3	1						↓
		TB042800		800	W	G			2					
		DUP07		1500	S	G	3	1	[illegible]					(1311, SPLP)
		BHGLSWMW610100 1		1730	S	G	3	1						
		BHGLSWMW610100 2		1745	S	G	3	1						
		BHGLSWMW610110 1		1805	S	G	3	1						
		BHGLSWMW610110 2	↓	1815	S	G	3	1						↓
		FB042800		1900	W	G			3		1	3	2	

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
Jorie Williams	Hydrogeologic	4/28/10	1930				
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = _____

Container Key
1 Plastic
2 VOA Vial
3 Sterile Plastic
4 Amber Glass
5 Widemouth Glass
6 Other _____

Preservative Key
1 HCl, Cool to 4°
2 H_2SO_4, Cool to 4°
3 HNO_3, Cool to 4°
4 NaOH, Cool to 4°
5 NaOH/Zn Acetate, Cool to 4°
6. Cool to 4°
7 None

COMMENTS: 8270 LIST
* Benzo(a)anthracene
Benzo(a) pyrene
Benzo(b) fluoranthene
Benzo(k) fluoranthene
Indeno(1,2,3-c,d) pyrene

Date Received ___/___/___
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Chicago Laboratory
2417 Bond Street
University Park, IL 60466
Phone 708-534-5200
Fax 708-534-5211

Report To:
Contact: Chris Camp
Company: Hydrogeologic
Address: 1155 Herndon Pkwy
Suite 900 Herndon VA 20170
Phone: 703/478-5161
Fax: 703/471-8140
E-Mail:

Bill To:
Contact: Ame
Company:
Address:
Phone:
Fax:
PO#: Quote:

Shaded Areas For Internal Only of

Lab Lot #

Package Sealed Yes No	Samples Sealed Yes No
Received on Ice Yes No	Samples Intact Yes No
Temperature °C of Cooler	
Within Hold Time Yes No	Preserv. Indicated Yes No NA
pH Check ok Yes No NA	Res. Cl_2 Check ok Yes No NA
Sample Labels and COC Agree Yes No COC not present	

Sampler Name: K. Dunn
Signature: Kent Dunn
Project Name: Sites 28, 29, 35
Project Number: AFC001-15BRC
Project Location: NAS Fort Worth TRB
Lab PM:
Date Required: Hard Copy ___/___/___ Fax ___/___/___

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	PCE 1131 8HCSAP	PCE SW8260B	Chlorobenzene SW8260B	Chlorobenzene 1131 8HCSAP	Barium Arsenic (6010B)	Benzene SW8260B	Vinyl Chloride (8260B)	Vinyl Chloride Benzene 1131 8HCSAP	TPH TX 1005	Benzene 1131 8HCSAP	Additional Analyses / Remarks
		Refrg #															
		#/Cont.															
		Volume					4oz	5g	4oz	4oz	4oz	5g	5g	4oz	5g	4oz	
		Preserv															
		WHGLTA035-02	5/14/00	1540	S	G	✓	✓									
		WHGLTA035-01	↓	1532	S	G	✓	✓									
		WHGLTA029-03		1302	S	G			✓	✓							
		WHGLTA029-04		1315	S	G			✓		✓						
		WHGLTA029-02		1252	S	G			✓	✓							
		WHGLTA028-02		859	S	G						✓			✓	✓	
		WHGLTA028-03		909	S	G						✓	✓	✓			
		DUP 01		1315	S	G					✓						

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
Kent Dunn	HGL	5/14/00	1724				
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air
SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = ____

Container Key
1 Plastic, 2 VOA Vial, 3 Sterile Plastic, 4 Amber Glass, 5 Widemouth Glass, 6 Other ____

Preservative Key
1 HCl, Cool to 4°, 2 H2SO4, Cool to 4°, 3 HNO3, Cool to 4°, 4 NaOH, Cool to 4°, 5 NaOH/Zn Acetate, Cool to 4°, 6 Cool to 4°, 7 None

COMMENTS: TB Associated w/ AFC001-15BRBD
Associated w/ EB051600
Collected from AFC001-26CC
Final AFC001-25BRBA

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733 329

733 330

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2417 Bond Street
University Park, IL 60466
Phone 708-534-5200
Fax 708-534-5211

Report To:
Contact CHRIS CAMP
Company HYDROGEOLOGIC, INC.
Address 11155 HERNDON PARKWAY
HERNDON, VA 20170
Phone (703) 478-5786
Fax (703) 471-4180
E-Mail CCAMP@HGL.COM

Bill To:
Contact —SAME—
Company
Address
Phone
Fax
PO# Quote

Lab Lot #

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	Samples Intact
Yes No	Yes No

Temperature °C of Cooler

Within Hold Time	Preserv. indicated
Yes No	Yes No NA
pH Check ok	Res. Cl_2 Check ok
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No COC not present

Sampler Name: K. DURAN
Signature: Kat Duran
Project Name: SWMU-61
Project Number: AFC001-15BEC
Project Location: NAS FORT WORTH JRB
Date Required: Hard Copy ___/___/___ Fax: ___/___/___
Lab PM: DONNA DIGGERSOLL

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	TETRACHLORO ETHENE (RCL) 1131 2B5, 524.2	TETRACHLORO ETHENE (CLP) (8260B)								Additional Analyses / Remarks
Refrg #																
#/ Cont.																
Volume							40z	5g								
Preserv							6	6								
		WHGLJA034-01	5/17/00	0830	S	G	1	3								
		WHGLJA034-02	5/17/00	0829	S	G	1	3								
		DUP03	5/17/00	0829	S	G		3								

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
Kat Duran	HGL	5/17/00	1824				
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = _____

Container Key
1 Plastic
2 VOA Vial
3 Sterile Plastic
4 Amber Glass
5 Widemouth Glass
6 Other _____

Preservative Key
1 HCl, Cool to 4°
2 H2SO4, Cool to 4°
3 HNO3, Cool to 4°
4 NaOH, Cool to 4°
5 NaOH/Zn Acetate, Cool to 4°
6 Cool to 4°
7 None

COMMENTS
PLEASE ASSOCIATE THESE SAMPLES WITH THE TRIP BLANK (TB051700) AND THE EQUIP. BLANK (EB051700) FOUND ON COC FOR JOB AFC001-29BEC.

Date Received ___/___/___
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Chicago Laboratory
2417 Bond Street
University Park, IL 60466
Phone 708-534-5200
Fax 708-534-5211

Report To:
Contact: Chris Camp
Company: HydroGeologic
Address: 1155 Herndon Pkwy Suite 900 Herndon VA 20170
Phone: 703-478-5186
Fax: 703-471-4180
E-Mail: ccamp@hgl.com

Bill To:
Contact: Chris Camp
Company:
Address: (same)
Phone:
Fax:
PO#: Quote:

Lab Lot #

Package Sealed Yes No	Samples Sealed Yes No
Received on Ice Yes No	Samples Intact Yes No
Temperature °C of Cooler	
Within Hold Time Yes No	Preserv. Indicated Yes No NA
pH Check ok Yes No NA	Res. Cl_2 Check ok Yes No NA
Sample Labels and COC Agree Yes No COC not present	

Sampler Name: Kent Dunn
Signature: Kent Dunn
Project Name: WAA Investigations
Project Number: AFC 001 15 BBH
Project Location: NAS Fort Worth JRB
Date Required: Hard Copy ___/___/___ Fax ___/___/___
Lab PM: Diana Tagersul

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOCs	Benzene/Vinyl Chloride SW 8260B	Chlorobenzene SW 8260B	Arsenic, Pb SW6010B/7400	Arsenic/Barium SW6010B						Additional Analyses / Remarks
Rat'g #																	
#/Cont.							2	2	2	1	1						
Volume							40ml	40ml	40ml	1L	1L						
Preserv							1	1	1	3	3						
		TB053000	5-30-00	0730	W	G	2										
		WHGLTA027WG01		1000	W	G				1							
		WHGLTA028WG01		1220	W	G		3		1							
		WHGLTA029WG01		1515	W	G			3		1						
		Dup01		1200	W	G				1							
		EB053000		1615	W	G		✓	✓	✓	✓						

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
Catherine Willis	HydroGeologic	5/30/00	1645				
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = _____

Container Key
1 Plastic
2 VOA Vial
3 Sterile Plastic
4 Amber Glass
5 Widemouth Glass
6 Other _____

Preservative Key
1 HCl, Cool to 4°
2 H2SO4, Cool to 4°
3 HNO3, Cool to 4°
4 NaOH, Cool to 4°
5 NaOH/Zn Acetate, Cool to 4°
6 Cool to 4°
7 None

COMMENTS.

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Chicago Laboratory
2417 Bond Street
University Park, IL 60466
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Fax 708-534-5211

Report To:
Contact: Chris Camp
Company: HydroGeologic Inc.
Address: 1155 Herndon Pkwy Suite 900, Herndon VA 20170
Phone: 703-478-5186
Fax: 703-471-4180
E-Mail: ccamp@hgl.com

To:
Contact: Chris Camp
Company:
Address: (Same)
Phone:
Fax:
PO#: Quote:

Shaded Areas For Internal Use Only 1 of 1

Lab Lot #

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	Samples Intact
Yes No	Yes No

Temperature °C of Cooler

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check ok	Res. Cl_2 Check ok
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No COC not present

Sampler Name: C. Williams
Signature: Cathi Williams
Project Name: WAA, Inverst, GW Sampling
Project Number: AFC001 15 BRH
Project Location: NAS Fort Worth JRB
Date Required: Hard Copy ___/___/___ Fax ___/___/___
Lab PM: Donna Ingersol

Refrg #		
# Cont.	3	3
Volume	40ml	40ml
Preserv	1	1

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	PCB, TCL (SW8260B)	VOCs (App IX) (SW8260B)	Additional Analyses / Remarks
		WHGLTA035WG01	6/1/00	1350	W	G	3		
		WHGLTA024WG01	6/1/00	1514	W	G	3		
		TB060100	6/1/00	0720	W	G		2	
		EB060100	6/1/00	1600	W	G		3	

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
[signature]	HGC	6/1/00	1600				
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = _____

Container Key
1 Plastic
2 VOA Vial
3 Sterile Plastic
4 Amber Glass
5 Widemouth Glass
6 Other _____

Preservative Key
1 HCl, Cool to 4°
2. H2SO4 Cool to 4°
3 HNO3, Cool to 4°
4 NaOH, Cool to 4°
5 NaOH/Zn Acetate, Cool to 4°
6 Cool to 4°
7 None

COMMENTS

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2417 Bond Street
University Park, IL 60466
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Fax 708-534-5211

Report To:
Contact Chris Camp
Company HydroGeoLogic, Inc.
Address 1155 Herndon Pkwy
Suite 900, Herndon VA 20170
Phone 703-478-5186
Fax 703-471-4180
E-Mail ccamp@hgl.com

To:
Contact Chris Camp
Company (same)
Address
Phone
Fax
PO# Quote

Shaded Areas For Internal Us — Page 1 of 1

Lab Lot #

Package Sealed Yes No	Samples Sealed Yes No
Received on Ice Yes No	Samples Intact Yes No
Temperature °C of Cooler	
Within Hold Time Yes No	Preserv. indicated Yes No NA
pH Check ok Yes No NA	Res. Cl_2 Check ok Yes No NA
Sample Labels and COC Agree Yes No COC not present	

Sampler Name: Kent Duran
Signature: Kat Duran
Project Name: WAAs Investigation
Project Number: AFC 001 15 BBH
Project Location: NAS Fort Worth JRB
Date Required: Hard Copy ___/___/___ Fax ___/___/___
Lab PM: Donna Ingersol

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refrg #	#/ Cont.	Volume	Preserv	Ar, Co, Ba, Pb, 3 (SW6010B/7000)	Additional Analyses / Remarks
		LSA1628-3WG01	6-2-00	0915	W	G		1	1L		1	

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
Cathy Williams	HydroGeologic	6/2/00	10:30				
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = _____

Container Key
1 Plastic
2 VOA Vial
3 Sterile Plastic
4 Amber Glass
5 Widemouth Glass
6 Other _____

Preservative Key
1 HCl, Cool to 4°
2 H2SO4, Cool to 4°
3 HNO3, Cool to 4°
4 NaOH, Cool to 4°
5 NaOH/Zn Acetate, Cool to 4°
6 Cool to 4°
7 None

COMMENTS:

Date Received ___/___/___
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Chicago Laboratory
2417 Bond Street
University Park, IL 60466
Phone 708-534-5200
Fax 708-534-5211

Report To:
Contact: Lynn Morgan
Company: Hydro-Geologic, Inc.
Address: 1155 Herndon Pkwy #300
Herndon VA 20170
Phone: (703) 478-5186
Fax: 703/471-9150
E-Mail: lmorgan@hgi.com

To:
Contact: SAME
Company: ↓
Address:
Phone:
Fax:
PO#: Quote:

Shaded Areas For Internal Us Y of

Lab Lot #

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	Samples Intact
Yes No	Yes No
Temperature °C of Cooler	
Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check ok	Res. Cl_2 Check ok
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No COC not present

Sampler Name: David Montez, Kent Dorn
Signature: Kent Dorn
Project Name: Qt 2000 Quarterly
Project Number: AFC001-36 (4W) 15BRH
Project Location: NAS Fort Worth TRC
Date Required: Hard Copy ___/___/___ Fax ___/___/___
Lab PM: DONNA I

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refrg #	#/ Cont.	Volume	Preserv								Additional Analyses / Remarks
							5030	8	Poly		5030	6	Poly					
							Metals (6010B) As, Ba, Cr, Pb		(Serial Dilution)		Metals (6010B) As, Ba, Cr, Pb		both w/ preserv					
		LSA1628-3WG02	10/10/..	1442	WG	G	✓											(Serial Dilution)!
		LSA1628-2WG02	10/10/..	1617	WG	G					✓							
																		2 containers total!

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
Kent Dorn	HGL	10/10/..	1735				
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = _____

Container Key
1 Plastic
2 VOA Vial
3 Sterile Plastic
4 Amber Glass
5 Widemouth Glass
6 Other _____

Preservative Key
1 HCl, Cool to 4°
2 H2SO4, Cool to 4°
3 HNO3, Cool to 4°
4 NaOH, Cool to 4°
5 NaOH/Zn Acetate, Cool to 4°
6 Cool to 4°
7 None

COMMENTS:

Date Received ___/___/___
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Chicago Laboratory
2417 Bond Street
University Park, IL 60466
Phone 708-534-5200
Fax 708-534-5211

Report To:
Contact: Kim Evers
Company: HydroGeologic
Address: 1155 Herndon Pkwy Suite 900, Herndon VA 20170
Phone: 703-478-5166
Fax: 703-471-4180
E-Mail: KEVERS@HGL.com

To:
Contact: (SAME)
Company:
Address:
Phone:
Fax:
PO#: Quote:

Shaded Areas For Internal Us Y of

Lab Lot #

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	Samples Intact
Yes No	Yes No

Temperature °C of Cooler

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check ok	Res. Cl_2 Check ok
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No COC not present

Sampler Name: JENNIFER WALLACE
Signature: Jennifer Wallace
Project Name: RFI of WAAs
Project Number: AF001-15BBH
Project Location: MASEN JRB, TEXAS
Date Required: Hard Copy ___/___/___ Fax ___/___/___
Lab PM: DONNA INGERSOLL

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOCs SW8260B	TCE, TCE (SW8260B)	Hg (SW7471)	Pb, Hg (6010) (SW7471)	Cr, Pb (SW6010B)	As, Pb * (GFAA-7000A)	Total Metals + Hg (6010) (7471)				Additional Analyses / Remarks
Refrg #																	
# Cont.							2	2	1	1	1	1	1				
Volume							40mL	40mL	1L	1L	1L	1L	1L				
Preserv							1	1	3	3	3	3	3				
		TB101600	10/16/00	0900	WG	G	2										
		WHGLTA035WG02	10/16/00	1442	WG	G		3									
		WHGLTA034WG02	10/16/00	1722	WG	G		3									
	X	WHGLTA034WG02MS	10/16/00	1722	WG	G		3									
	X	WHGLTA034WG02MSD	10/16/00	1722	WG	G		3									
		WHGLTA030WG02	10/16/00	1714	WG	G			1								
		ST14-25WG02	10/16/00	1503	WG	G				1							
		WITCTA034WG02	10/17/00	1015	WG	G		3									
		WHGLTA033WG02	10/17/00	1600	WG	G					1						
		WHGLTA027WG02	10/17/00	1124	WG	G						1					
		EB101700	10/17/00	1645	WG	G	3						1				

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
		10/17/00	3:56 pm				
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = _____

Container Key
1 Plastic
2 VOA Vial
3 Sterile Plastic
4 Amber Glass
5 Widemouth Glass
6 Other _____

Preservative Key
1 HCl, Cool to 4°
2 H2SO4, Cool to 4°
3 HNO3, Cool to 4°
4 NaOH, Cool to 4°
5 NaOH/Zn Acetate, Cool to 4°
6 Cool to 4°
7 None

COMMENTS:
* RUN SAMPLE BY GFAA
** Associate TB101600 w/ samples on 10/16/00 & 10/17/00.
*** Associate EB101700 w/ Samples on 10/16/00 & 10/17/00.

Date Received ___/___/___
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Chicago Laboratory
2417 Bond Street
University Park, IL 60466
Phone 708-534-5200
Fax 708-534-5211

Report To:
Contact KIM EVERS
Company HydroGeologic, Inc
Address 1155 Herndon PKWY
Suite 900, Herndon VA 20170
Phone 703-478-5196
Fax 703-471-4170
E-Mail kevers@hgi.com

Bill To: 733 336
Contact (same)
Company
Address
Phone
Fax
PO# Quote

Shaded Areas For Interna *Only* of

Lab Lot #

Package Sealed Yes No	Samples Sealed Yes No
Received on Ice Yes No	Samples Intact Yes No
Temperature °C of Cooler	
Within Hold Time Yes No	Preserv. indicated Yes No NA
pH Check ok Yes No NA	Res. Cl_2 Check ok Yes No NA
Sample Labels and COC Agree Yes No COC not present	

Sampler Name: Jennifer Wallace
Signature: Jennifer Wallace
Project Name: RFI of WAAS
Project Number: AF(00)-15BBH
Project Location: NASRW JRB, TEXAS
Date Required Hard Copy ___/___/___ Fax ___/___/___
Lab PM: Dana Tavarsol

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Volatiles (SW8260B)	Mercury + Hg (SW8/7471)	Semivol Organics (SW8270C)	As, Pb (SW6010B)	Pb, Hg (SW6010/7471)						
Refrg #																	
#/Cont.							2	1	2	1	1						
Volume							40mL	1L	40mL	1L	1L						
Preserv							1	3	1	3	3						
		TB101900	10/19/00	0748	W	G	2										
		EB101900	10/19/00	1618	W	G	3	1									
		WCHMHTA012WG02	10/19/00	1538	WG	G			3	1							
		WHGLTA039WG02	10/18/00	1938	WG	G					1						
		WHGLTA028WG02	10/19/00	1729	WG	G			3	1							
		DUP01WG02	10/19/00	1200	WG	G			3	1							

Additional Analyses / Remarks

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
[illegible]	[illegible]	10/19/00	1626				
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = ____

Container Key
1 Plastic
2 VOA Vial
3 Sterile Plastic
4 Amber Glass
5 Widemouth Glass
6 Other ____

Preservative Key
1 HCl, Cool to 4°
2 H2SO4, Cool to 4°
3 HNO3, Cool to 4°
4 NaOH, Cool to 4°
5 NaOH/Zn Acetate, Cool to 4°
6 Cool to 4°
7 None

COMMENTS

Date Received ___/___/___
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Chicago Laboratory
2417 Bond Street
University Park, IL 60466
Phone 708-534-5200
Fax 708-534-5211

Report To:
Contact Kim Evers
Company Hydrogeologic Inc.
Address 1155 Herndon Pkwy Suite 900 Herndon VA 20170
Phone 703-478-5186
Fax 703-471-4180
E-Mail KEVERS@HGI.com

Bill To:
Contact (SAME)
Company
Address
Phone
Fax
PO#
Quote

Shaded Areas For Internal Use Page ___ of ___

Lab Lot #

Package Sealed Yes No	Samples Sealed Yes No
Received on Ice Yes No	Samples Intact Yes No
Temperature °C of Cooler	
Within Hold Time Yes No	Preserv. indicated Yes No NA
pH Check ok Yes No NA	Res. Cl_2 Check ok Yes No NA
Sample Labels and COC Agree Yes No COC not present	

Sampler Name: Kim Dunn
Signature: Kim Dunn
Project Name: RFI of WAA
Project Number: ~~7171001~~ 1599
Project Location: NASEW JRB, Texas
Lab PM: Diana Trierweiler
Date Required: Hard Copy __/__/__ Fax __/__/__

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	As, Ba, Co, Pb (SW6010B)											
Refrg #																		
#/Cont.							1											
Volume							1L											
Preserv							3											
		LSA1628-2WG02	11/1/00	1310	W	G	1											

Additional Analyses / Remarks

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
C Wall	Hydrogeologic	11/1/00	1755				
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = ____

Container Key
1 Plastic
2 VOA Vial
3 Sterile Plastic
4 Amber Glass
5 Widemouth Glass
6 Other ____

Preservative Key
1 HCl, Cool to 4°
2 H2SO4 Cool to 4°
3 HNO3, Cool to 4°
4 NaOH, Cool to 4°
5 NaOH/Zn Acetate, Cool to 4°
6 Cool to 4°
7 None

COMMENTS
EB110100 w/ AF(001-1GBBD.

Date Received __/__/__
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TAB

APPENDIX G

APPENDIX G

Data Validation Reports

Environmental Data Services, Inc.

Specializing in Laboratory Data Validation

VOLATILE (HEADSPACE ANALYSIS)
(Methane, Ethane, Ethene)
USEPA SW846 - Method 3810/8015
USEPA Level III Review

Site: Naval Air Station Fort Worth JRB, Texas SDG #: 9807G630

Client: HydroGeoLogic, Inc. Date: October 6, 1998

Laboratory. Data/Analysis Technologies, Inc., Dublin, Ohio Reviewer: Nancy Weaver

Client Sample ID	Laboratory Sample ID	Matrix
WHGLTA008WG05	0798028-1	Water
GMI-22-06MWG05	0798028-2	Water
GMI-22-06MWG05MS	0798028-2MS	Water
GMI-22-06MWG05MSD	0798028-2MSD	Water
WHGLTA004WG05	0798028-3	Water
GMI-22-04MWG05	0798028-4	Water
DUP01WG05	0798028-5	Water
TB072298	0798028-6	Water
USGS07TWG05	0798028-7	Water
MW-53WG05	0798028-8	Water
TB072398	0798028-9	Water
WITCTA024WG05	0798028-10	Water

Holding Times - All samples were analyzed within the recommended holding time of 14 days for preserved water samples as specified in Table 5.1.2-1 of the NAS Fort Worth JRB Basewide Quality Assurance Project Plan (QAPP), February, 1998. No qualifications were required.

Initial Calibration - The initial calibration analyzed on 7/28/98 exhibited an acceptable correlation coefficient >0.995. No qualifications were required.

Continuing Calibration - The continuing calibrations analyzed on 7/28/98 exhibited acceptable %D values. No qualifications were required.

MS/MSD - MS/MSD sample GMI-22-06MWG05 exhibited low MS/MSD %R values for methane and ethene of 44%/53% and 65%/62%, respectively. Methane and ethene have been qualified "UJ" in all flightline samples.

MS/MSD sample SD13-02WG05 (in SDG 9807G707) exhibited acceptable %R and RPD values. No qualifications were required.

MS/MSD sample WHGLTA003WG05 (in SDG 9807G588) exhibited low MS/MSD %R values for ethene of 64%/63%. Ethene has been qualified "UJ" in associated samples WHGLTA004WG05 and USGS07TWG05.

LCS/LCSD - The LCS/LCSD sample exhibited acceptable %R and RPD values. No qualifications were required.

Method Blank - The method blanks were free of contamination. No qualifications were required.

Trip, Field and Equipment Blanks - Trip blanks TB072298 and TB072398 both exhibited methane contamination at 0.2 ug/L. Methane has been qualified "U" in associated samples WHGLTA004WG05, USGS07TWG05, and MW-53WG05.

Laboratory Duplicate - Sample WHGLTA008WG05 and the duplicate sample exhibited an acceptable %D value of 24.6%. No qualifications were required.

Field Duplicates - Field duplicate results are summarized in the table below. No qualifications were required.

Analyte	GMI-22-04MWG05 ug/L	DUP01WG05 ug/L	RPD
Methane	14.1	8 2	53
Ethane	3 18	2 19	37

Compound Quantitation - Sample WHGLTA008WG05 was analyzed at a 10X dilution. No action was taken on this basis.

Comments - The analyses of environmental samples and quality control samples are valid within the constraints identified with the data quality flags as presented in the MS/MSD and field blank sections of this report. The NAS Fort Worth JRB Basewide Quality Assurance Project Plan, February, 1998, data validation criteria were used in evaluating the data in this summary report.

Data Validation Summary Table - The following table summarizes all qualifications as described in this data validation summary report.

Qualification Summary Table - Volatile Headspace SDG. 9807G630					
Sample No	Compound(s)	Reported		Validated	
		Conc	Qualifier	Conc.	Qualifier
GMI-22-06MWG05	Methane	302.0	-	302 0	J
	Ethene	0 51	-	0.51	J
WHGLTA004WG05	Methane	0.2	-	0 2	U
	Ethene	0.10	U	0 10	UJ
GMI-22-04MWG05	Methane	14 1	-	14.1	J
	Ethene	0 10	U	0.10	UJ
DUP01WG05	Methane	8.2	-	8 2	J
	Ethene	0.10	U	0 10	UJ
USGS07TWG05	Methane	0 2	-	0.2	U
	Ethene	0 10	U	0.10	UJ
MW-53WG05	Methane	0.2	-	0 2	UJ
	Ethene	0 10	U	0 10	UJ
WITCTA024WG05	Methane	11.6	-	11 6	J
	Ethene	0 10	U	0.10	UJ

TAL METALS
USEPA SW846 Methods 6010A, 7471, 9010A
USEPA Level III Review

Site: Naval Air Station Fort Worth JRB, Texas SDG #: 9807G630

Client: HydroGeoLogic, Inc. Date: October 6, 1998

Laboratory: RECRA LabNet - Chicago Reviewer: Nancy Weaver

Client Sample ID	Laboratory Sample ID	Matrix
WHGLTA008WG05	9807G630-001	Water
WITCTA017WG05	9807G630-003	Water
DUP02WG05	9807G630-004	Water
LF01-1DWG05	9807G630-014	Water
ST14-02WG05	9807G630-015	Water

Holding Times - All samples were extracted and analyzed within the recommended holding time of 180 days for all metals except 28 days for mercury as specified in Table 5.1.2-1 of the NAS Fort Worth JRB Basewide Quality Assurance Project Plan (QAPP), February, 1998. No qualifications were required.

Calibration - All initial and continuing calibration verifications exhibited acceptable %R values. No qualifications were required.

Method Blanks - Water preparation blank PBW (8/6/98) was free of contamination. No qualifications were required.

The initial and continuing calibration blanks exhibited contamination for several compounds, however, all associated results were non-detect or greater than 5X the blank concentration with the exception of manganese. Manganese has been qualified "U" in associated samples WITCTA017WG05 and DUP02WG05.

Field and equipment blank - Field QC samples were not associated with the samples in this data package.

ICP Interference Check Sample - All % recovery values met the QC acceptance criteria. No qualifications were required.

LCS - The LCS analysis met the QC acceptance criteria of as specified in the QAPP. No qualifications were required.

ICP Serial Dilutions - ICP serial dilution sample ST14-24WG05 (in SDG 9807G512) exhibited acceptable %D values. No qualifications were required.

ICP serial dilution sample WITCTA017WG05 exhibited acceptable %D values. No qualifications were required.

Matrix Spike - Matrix spike sample SD13-02WG05 (in SDG 9807G707) exhibited acceptable %R values. No qualifications were required.

Matrix spike sample USGS04TW05 (in SDG 9807G588) exhibited acceptable %R values. No qualifications were required.

Matrix Spike Duplicate - Matrix duplicate sample SD13-02WG05 (in SDG 9807G707) exhibited acceptable RPD values. No qualifications were required.

Matrix duplicate sample USGS04TW05 (in SDG 9807G588) exhibited acceptable RPD values. No qualifications were required.

Field Duplicates - Field duplicate results are summarized in the table below. The RPD may be "not calculable" due to a non-detect sample result. No qualifications were required.

Analyte	WITCTA017WG05 ug/L	DUP02WG05 ug/L	Water
Aluminum	48 1U	51.9	NC
Barium	71.4	66 5	7
Calcium	122000	113000	8
Iron	46 2	46.0	1
Magnesium	14300	13200	8
Potassium	4660	4220	10
Sodium	41500	37600	10
Zinc	3.7	3.4U	NC

Compound Quantitation - All results between the MDL and the PQL have been qualified "F."

Comments - The analyses of environmental samples and quality control samples are valid within the constraints identified with the data quality flags as presented in the method blank and compound quantitation sections of this report. The NAS Fort Worth JRB Basewide Quality Assurance Project Plan, February, 1998, data validation criteria were used in evaluating the data in this summary report.

Data Validation Summary Table - The following table summarizes all qualifications as described in this data validation summary report.

Qualification Summary Table - Metals SDG· 9807G630					
Sample No.	Compound(s)	Reported		Validated	
		Conc.	Qualifier	Conc.	Qualifier
WHGLTA008WG05	Aluminum	50 1	B	50 1	F
	Potassium	1870	B	1870	F
	Zinc	4.1	B	4.1	F
WITCTA017WG05	Iron	46.2	B	46.2	F
	Manganese	3.4	B	20 0	U
	Potassium	4660	B	4660	F
	Zinc	3 7	B	3 7	F
DUP02WG05	Aluminum	51.9	B	51.9	F
	Iron	46 0	B	46.0	F
	Manganese	3.2	B	20 0	U
	Potassium	4220	B	4220	F
LF01-1DWG05	Potassium	1730	B	1730	F
ST14-02WG05	Potassium	1580	B	1580	F
	Zinc	4.0	B	4 0	F

Environmental Data Services, Inc.

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WET CHEMISTRY
(Alkalinity, Chloride, Nitrate, Sulfate, TOC, TOC Test 2, Sulfide)
USEPA SW846 Methods
USEPA Level III Review

Site: Naval Air Station Fort Worth JRB, Texas SDG #: 9807G630

Client: HydroGeoLogic, Inc. Date: October 6, 1998

Laboratory: RECRA LabNet - Chicago Reviewer: Nancy Weaver

Client Sample ID	Laboratory Sample ID	Matrix
WHGLTA008WG05	9807G630-001	Water
GMI-22-06MWG05	9807G630-002	Water
GMI-22-06MWG05MS	9807G630-002MS	Water
GMI-22-06MWG05MSD	9807G630-002MSD	Water
WHGLTA004WG05	9807G630-005	Water
GMI-22-04MWG05	9807G630-006	Water
DUP01WG05	9807G630-007	Water
USGS07TWG05	9807G630-009	Water
MW-53WG05	9807G630-010	Water
LSA1628-3WG05	9807G630-013	Water
ST14-02WG05	9807G630-015	Water
WITCTA016WG05	9807G630-016	Water

Holding Times - All samples were analyzed within the recommended holding times as specified in Table 5.1.2-1 of the NAS Fort Worth JRB Basewide Quality Assurance Project Plan (QAPP), February, 1998. No qualifications were required.

Method and Calibration Blanks - The method blanks were free of contamination. No qualifications were required.

Field and Equipment Blank - Field QC samples were not associated with the sample in this data package.

LCS - The LCS samples exhibited acceptable %R values. No qualifications were required.

Matrix Spike/Duplicate - MS/MSD sample GMI-22-06MWG05 exhibited acceptable %R and RPD values. No qualifications were required.

MS/MSD sample SD13-02WG05 (in SDG 9807G707) exhibited acceptable %R and RPD values. No qualifications were required.

MS/MSD sample WHGLTA003WG05 (in SDG 9807G588) exhibited acceptable %R and RPD values. No qualifications were required.

Field Duplicates - Field duplicate results are summarized in the table below. No qualifications were required.

Analyte	GMI-22-04MWG05 mg/L	DUP01WG05 mg/L	RPD
Alkalinity	367	370	1
Chloride	98 1	92.5	6
Sulfate	41 4	47.2	13
Nitrate	8 2	8.0	2
Total Organic Carbon	1.1	1.2	9
TOC Test 2	1.2	1.2	0

Compound Quantitation - No discrepancies were identified.

Comments - The analyses of environmental samples and quality control samples are valid. The NAS Fort Worth JRB Basewide Quality Assurance Project Plan, February, 1998, data validation criteria were used in evaluating the data in this summary report.

Data Validation Summary Table - The following table summarizes all qualifications as described in this data validation summary report.

Qualification Summary Table - Wet Chemistry SDG: 9807G630					
Sample No	Compound(s)	Reported		Validated	
		Conc	Qualifier	Conc.	Qualifier
None Qualified	--	--	--	--	--

Environmental Data Services, Inc.

Specializing in Laboratory Data Validation

BTEX & MTBE
USEPA SW846 Method 8020
USEPA Level III Review

Site: Naval Air Station Fort Worth JRB, Texas SDG #: 9807G630

Client: HydroGeoLogic, Inc. Date: October 6, 1998

Laboratory: RECRA LabNet - Chicago Reviewer: Nancy Weaver

Client Sample ID	Laboratory Sample ID	Matrix
ST14-02WG05	9807G630-015	Water
ST14-02WG05CON	9807G630-015CON	Water

Holding Times - All samples were analyzed within the recommended holding time of 14 days for preserved water samples as specified in Table 5.1 2-1 of the NAS Fort Worth JRB Basewide Quality Assurance Project Plan (QAPP), February, 1998. No qualifications were required.

Initial Calibration - The initial calibrations analyzed 7/23/98 and 7/29/98 exhibited acceptable %RSD values. No qualifications were required.

Continuing Calibration - The continuing calibrations analyzed 7/27/98, 7/28/98, and 8/3/98 exhibited acceptable %D values. No qualifications were required

Surrogates - The sample exhibited an acceptable surrogate %R value for surrogate compound TFT. The %R value for surrogate compound BFB was reported as "I" by the laboratory due to interference. No action was taken on this basis.

Laboratory Control Samples - LCS samples BLKGVD308-MB1 and BLKGVD310-MB1 exhibited acceptable %R values. No qualifications were required.

MS/MSD - MS/MSD sample SAV-2WG05 (in SDG 9807G512) exhibited acceptable %R and RPD values. No qualifications were required.

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Method Blank - Method blanks 98GVD308-MB1 (7/27/98) and 98GVD310-MB1 (8/3/98) were free of contamination. No qualifications were required.

Field, equipment blank - Field QC samples were not associated with the sample in this data package.

Field Duplicates - Field duplicate samples were not analyzed with this data package.

Compound Quantitation - MTBE exhibited a high %D value between columns of 64.6%. MTBE has been qualified "J" in both the original and confirmation sample

Comments - The analyses of environmental samples and quality control samples are valid within the constraints identified with the data quality flags as presented in the compound quantitation section of this report. The NAS Fort Worth JRB Basewide Quality Assurance Project Plan, February, 1998, data validation criteria were used in evaluating the data in this summary report.

Data Validation Summary Table - The following table summarizes all qualifications as described in this data validation summary report.

Qualification Summary Table - BTEX & MTBE SDG. 9807G630					
Sample No	Compound(s)	Reported		Validated	
		Conc.	Qualifier	Conc	Qualifier
ST14-02WG05	MTBE	2 6	J	2.6	J
ST14-02WG05CON	MTBE	0 92	J	0.92	J

Environmental Data Services, Inc.

Specializing in Laboratory Data Validation

TCL VOLATILE ORGANIC COMPOUNDS
USEPA SW846 Method 8260B
USEPA Level III Review

Site: Naval Air Station Fort Worth JRB, Texas SDG #: 9807G630

Client: HydroGeoLogic, Inc. Date: October 6, 1998

Laboratory: RECRA LabNet - Chicago Reviewer: Nancy Weaver

Client Sample ID	Laboratory Sample ID	Matrix
WHGLTA008WG05	9807G630-001	Water
WHGLTA008WG05DL	9807G630-001DL	Water
GMI-22-06MWG05	9807G630-002	Water
GMI-22-06MWG05MS	9807G630-002MS	Water
GMI-22-06MWG05MSD	9807G630-002MSD	Water
GMI-22-06MWG05DL	9807G630-002DL	Water
WITCTA017WG05	9807G630-003	Water
DUP02WG05	9807G630-004	Water
WHGLTA004WG05	9807G630-005	Water
WHGLTA004WG05DL	9807G630-005DL	Water
GMI-22-04MWG05	9807G630-006	Water
GMI-22-04MWG05DL	9807G630-006DL	Water
DUP01WG05	9807G630-007	Water
DUP01WG05DL	9807G630-007DL	Water
TB072298	9807G630-008	Water
USGS07TWG05	9807G630-009	Water
MW-53WG05	9807G630-010	Water
TB072398	9807G630-011	Water
WITCTA024WG05	9807G630-012	Water
LSA1628-3WG05	9807G630-013	Water
LSA1628-3WG05DL	9807G630-013DL	Water
LF01-1DWG05	9807G630-014	Water
WITCTA016WG05	9807G630-016	Water
WITCTA016WG05DL	9807G630-016DL	Water

Holding Times - All samples were analyzed within the recommended holding time of 14 days for preserved water samples as specified in Table 5.1.2-1 of the NAS Fort Worth JRB Basewide Quality Assurance Project Plan (QAPP), February, 1998. No qualifications were required.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria. No qualifications were required

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Initial Calibration - The initial calibrations analyzed 2/23/98-6/18/98 exhibited acceptable %RSD and mean RRF values. No qualifications were required.

Continuing Calibration - The continuing calibration analyzed on 7/30/98 exhibited high %D values for 2,2-dichloropropane, 1,2-dichloroethane, and 1,2-dibromo-3-chloropropane of 29.6%, 30.1%, and 29.6%, respectively. All three compounds have been rejected "R" in associated samples WHGLTA008WG05, GMI-22-06MWG05, WITCTA017WG05, DUP02WG05, WHGLTA004WG05, TB072298, and TB072398.

The continuing calibration analyzed on 7/31/98 exhibited high %D values for 2,2-dichloropropane, 1,2-dichloroethane, and 1,2-dibromo-3-chloropropane of 30.0%, 27.6%, and 26.7%, respectively. All three compounds have been rejected "R" in associated samples GMI-22-04MWG05, DUP01WG05, MW-53WG05, WITCTA024WG05, and LSA1628-3WG05.

The continuing calibration analyzed on 8/3/98 exhibited a high %D value for 1,2-dibromo-3-chloropropane of 26.9%. 1,2-Dibromo-3-chloropropane has been rejected "R" in associated samples WHGLTA008WG05DL, GMI-22-06MWG05DL, WHGLTA004WG05DL, GMI-22-04MWG05DL, and DUP01WG05DL.

The continuing calibration analyzed on 8/4/98 exhibited high %D values for 2,2-dichloropropane, 1,2-dichloroethane, and 1,2-dibromo-3-chloropropane of 29.4%, 25.1%, and 28.0%, respectively. All three compounds have been rejected "R" in associated samples USGS07TWG05, LSA1628-3WG05DL, LF01-1DWG05, and WITCTA016WG05.

The continuing calibration analyzed on 8/7/98 exhibited acceptable %D and RRF values. No qualifications were required.

Surrogates - Sample WHGLTA008WG05 exhibited a high %R value for surrogate compound S2-toluene-d8 of 135%. All positive results for this sample have been qualified "J."

Laboratory Control Samples - LCS sample VBLKFS exhibited a low %R value for dichlorodifluoromethane of 44% and a high %R value for 2,2-dichloropropane of 155%. Dichlorofluoromethane has been rejected "R" in associated samples WHGLTA008WG05, GMI-22-06MWG05, WITCTA017WG05, DUP02WG05, WHGLTA004WG05, TB072298, and TB072398. 2,2-Dichloropropane is non-detect in all associated samples and no further qualifications were required.

LCS sample VBLKOT exhibited a low %R value for dichlorodifluoromethane of 47% and a high %R value for 2,2-dichloropropane of 161%. Dichlorofluoromethane has been rejected "R" in associated samples GMI-22-04MWG05, DUP01WG05, MW-53WG05, WITCTA024WG05, and LSA1628-3WG05. 2,2-Dichloropropane is non-detect in all associated samples and no further qualifications were required.

LCS sample VBLKOZ exhibited a low %R value for dichlorodifluoromethane of 45% and a high %R value for 2,2-dichloropropane of 146%. Dichlorofluoromethane has been rejected "R" in associated samples WHGLTA008WG05DL, GMI-22-06MWG05DL, WHGLTA004WG05DL, GMI-22-04MWG05DL, and DUP01WG05DL. 2,2-Dichloropropane is non-detect in all associated samples and no further qualifications were required.

LCS sample VBLKZL exhibited a high %R value for 2,2-dichloropropane of 155%, however, 2,2-dichloropropane is non-detect in all associated samples and no qualifications were required.

LCS sample VBLKPD exhibited a low %R value for dichlorodifluoromethane of 46%. Dichlorofluoromethane has been rejected "R" in associated sample WITCTA016WG05DL.

MS/MSD - MS/MSD sample SD13-02WG05 (in SDG 9807G707) exhibited high MS/MSD %R values for bromomethane and naphthalene of 128%/142% and 127%/139%, respectively, and a high RPD value for styrene of 30. Naphthalene has been qualified "J" in associated sample WHGLTA008WG05DL. All other bromomethane, naphthalene, and styrene results are non-detect or already qualified in the associated samples and no further qualifications were required. The MS/MSD sample also exhibited high MSD %R values for chloromethane, vinyl chloride, and chloroethane and a low MS %R value for styrene, however, since both the MS and MSD values were not outside QC limits for these compounds and the LCS exhibited acceptable %R values, no further qualifications were required.

MS/MSD sample GMI-22-06MWG05 exhibited low MS/MSD %R values for dichlorodifluoromethane and trichloroethene of 34%/38% and -35%/-5%, respectively, and a high RPD value for trichloroethene of 200. Dichlorofluoromethane and trichloroethene have been qualified "J" for positive results and "UJ" for non-detects in associated samples GMI-22-06MWG05, GMI-22-06MWG05DL, WITCTA017WG05, DUP02WG05, GMI-22-04MWG05, GMI-22-04MWG05DL, DUP01WG05, DUP01WG05DL, MW-53WG05, WITCTA024WG05, LSA1628-3WG05, LSA1628-3WG05DL, WITCTA016WG05, and WITCTA016WG05DL. The MS/MSD sample also exhibited low MSD %R values for trichlorofluoromethane, 2,2-dichloropropane, and 1,3-dichloropropene and high RPD values for all three compounds, however, since both the MS and MSD values were not outside QC limits for these compounds and all results are non-detect, no further qualifications were required.

MS/MSD sample WHGLTA003WG05 (in SDG 9807G588) exhibited a high MS %R value for bromomethane of 127% and a high RPD value for trichloroethene of 35. Trichloroethene has been qualified "J" in associated samples WHGLTA004WG05, WHGLTA004WG05DL, and USGS07TWG05. Since both the MS and MSD values were not outside QC limits for bromomethane, no qualifications were required.

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria. No qualifications were required.

Method Blank - Method blanks VBLKFS (7/30/98), VBLKOT (7/31/98), VBLKZL (8/4/98), and VBLKPD (8/7/98) were free of contamination. No qualifications were required.

Method blank VBLKOZ (8/3/98) exhibited methylene chloride contamination at 0.5 ug/L, however, all associated results are non-detect and no qualifications were required.

Trip, field, equipment blank - Trip blank TB072298 exhibited methylene chloride contamination at 0.6 ug/L, however, all associated results are non-detect and no qualifications were required.

Trip blank TB072398 exhibited methylene chloride contamination at 0.6 ug/L, however, all associated results are non-detect and no qualifications were required.

Field Duplicates - Field duplicate results are summarized in the tables below. Trichloroethene has already been qualified in both samples and no further qualifications were required.

Analyte	GMI-22-04MWG05 ug/L	DUP01WG05 ug/L	RPD
Trichlorofluoromethane	0 5U	0 6	NC
Trans-1,2-Dichloroethene	10	11	10
Cis-1,2-Dichloroethene	78	80	3
Chloroform	0 5	0.5	0
Trichloroethene	0 5UJ	500J	200
Tetrachloroethene	1	1	0

Analyte	WITCTA017WG05 ug/L	DUP02WG05 ug/L	RPD
All Results	ND	ND	--

Tentatively Identified Compounds (TICs) - All TIC results have been qualified "T."

Compound Quantitation - Several compounds in several samples exceeded the linear range of the instrument and were flagged with an "E" by the laboratory. The samples were reanalyzed at a dilution and the original results for these compounds have been replaced with the dilution results. The results on the original Form Is should be used for reporting purposes.

Comments - The analyses of environmental samples and quality control samples are valid within the constraints identified with the data quality flags as presented in the continuing calibration, surrogate, LCS, MS/MSD, and TICs sections of this report with the exception of several compounds in several samples which were rejected due to calibration and LCS problems. The NAS Fort Worth JRB Basewide Quality Assurance Project Plan, February, 1998, data validation criteria were used in evaluating the data in this summary report.

Data Validation Summary Table - The following table summarizes all qualifications as described in this data validation summary report.

Qualification Summary Table - Volatiles SDG: 9807G630					
Sample No.	Compound(s)	Reported		Validated	
		Conc.	Qualifier	Conc.	Qualifier
WHGLTA008WG05	Dichlorodifluoromethane	0 5	U	0 5	R
	2,2-Dichloropropane	0.5	U	0.5	R
	1,2-Dichloroethane	0 5	U	0.5	R
	Ethylbenzene	10	-	10	J
	Isopropylbenzene	37	-	37	J
	n-Propylbenzene	50	E	48	J
	tert-Butylbenzene	4	-	4	J
	1,2,4-Trimethylbenzene	11	-	11	J
	sec-Butylbenzene	5	-	5	J
	p-Isopropyltoluene	0.7	-	0 7	J
	1,2-Dibromo-3-chloropropane	0 5	U	0 5	R
	Naphthalene	100	E	100	J
WHGLTA008WG05DL	Dichlorodifluoromethane	2	U	2	R
	1,2-Dibromo-3-chloropropane	2	U	2	R
	Naphthalene	100	D	100	J
GMI-22-06MWG05	Dichlorodifluoromethane	0.5	U	0.5	R
	2,2-Dichloropropane	0.5	U	0.5	R
	1,2-Dichloroethane	0 5	U	0 5	R
	Trichloroethene	280	E	280	J
	1,2-Dibromo-3-chloropropane	0.5	U	0.5	R
GMI-22-06MWG05DL	Dichlorodifluoromethane	12	U	12	R
	Trichloroethene	280	D	280	J
	1,2-Dibromo-3-chloropropane	12	U	12	R
WITCTA017WG05	Dichlorodifluoromethane	0 5	U	0 5	R
	2,2-Dichloropropane	0 5	U	0 5	R
	1,2-Dichloroethane	0.5	U	0.5	R
	Trichloroethene	0.5	U	0 5	UJ

Qualification Summary Table - Volatiles SDG· 9807G630					
Sample No.	Compound(s)	Reported		Validated	
		Conc.	Qualifier	Conc.	Qualifier
	1,2-Dibromo-3-chloropropane	0 5	U	0 5	R
DUP02WG05	Dichlorodıfluoromethane	0.5	U	0.5	R
	2,2-Dichloropropane	0.5	U	0.5	R
	1,2-Dichloroethane	0.5	U	0 5	R
	Trıchloroethene	0 5	U	0 5	UJ
	1,2-Dibromo-3-chloropropane	0.5	U	0.5	R
WHGLTA004WG05	Dıchlorodıfluoromethane	0.5	U	0 5	R
	2,2-Dıchloropropane	0 5	U	0.5	R
	1,2-Dichloroethane	0 5	U	0.5	R
	Trichloroethene	500	E	1200	J
	1,2-Dibromo-3-chloropropane	0.5	U	0 5	R
WHGLTA004WG05DL	Dichlorodifluoromethane	50	U	50	R
	Trichloroethene	1200	D	1200	J
	1,2-Dıbromo-3-chloropropane	50	U	50	R
GMI-22-04MWG05	Dichlorodifluoromethane	0.5	U	0.5	R
	2,2-Dichloropropane	0.5	U	0 5	R
	1,2-Dichloroethane	0 5	U	0 5	R
	Trıchloroethene	0 5	U	0 5	UJ
	1,2-Dıbromo-3-chloropropane	0 5	U	0 5	R
GMI-22-04MWG05DL	Dichlorodifluoromethane	50	U	50	R
	Trichloroethene	480	D	480	J
	1,2-Dibromo-3-chloropropane	50	U	50	R
DUP01WG05	Dıchlorodifluoromethane	0 5	U	0 5	R
	2,2-Dichloropropane	0 5	U	0 5	R
	1,2-Dichloroethane	0 5	U	0.5	R
	Trichloroethene	440	E	500	J
	1,2-Dibromo-3-chloropropane	0 5	U	0 5	R
DUP01WG05DL	Dichlorodifluoromethane	50	U	50	R
	Trichloroethene	500	D	500	J
	1,2-Dibromo-3-chloropropane	50	U	50	R
TB072298	Dichlorodifluoromethane	0.5	U	0 5	R
	2,2-Dichloropropane	0.5	U	0 5	R
	1,2-Dichloroethane	0.5	U	0 5	R
	1,2-Dibromo-3-chloropropane	0.5	U	0 5	R
USGS07TWG05	2,2-Dichloropropane	0 5	U	0.5	R
	1,2-Dichloroethane	0.5	U	0.5	R
	Trıchloroethene	0 6	-	0 6	J
	1,2-Dibromo-3-chloropropane	0.5	U	0 5	R
MW-53WG05	Dıchlorodifluoromethane	0 5	U	0 5	R
	2,2-Dichloropropane	0.5	U	0.5	R
	1,2-Dichloroethane	0 5	U	0.5	R
	Trichloroethene	8	-	8	J
	1,2-Dibromo-3-chloropropane	0.5	U	0.5	R
TB072398	Dichlorodifluoromethane	0.5	U	0 5	R
	2,2-Dichloropropane	0 5	U	0.5	R
	1,2-Dichloroethane	0.5	U	0.5	R
	1,2-Dibromo-3-chloropropane	0 5	U	0.5	R
WITCTA024WG05	Dıchlorodifluoromethane	0.5	U	0.5	R

Qualification Summary Table - Volatiles SDG: 9807G630					
Sample No.	Compound(s)	Reported		Validated	
		Conc.	Qualifier	Conc	Qualifier
	2,2-Dichloropropane	0.5	U	0 5	R
	1,2-Dichloroethane	0.5	U	0.5	R
	Trichloroethene	0.5	U	0.5	UJ
	1,2-Dibromo-3-chloropropane	0.5	U	0 5	R
LSA1628-3WG05	Dichlorodifluoromethane	0.5	U	0 5	R
	2,2-Dichloropropane	0.5	U	0 5	R
	1,2-Dichloroethane	0.5	U	0 5	R
	Trichloroethene	400	E	380	J
	1,2-Dibromo-3-chloropropane	0 5	U	0.5	R
LSA1628-3WG05DL	2,2-Dichloropropane	25	U	25	R
	1,2-Dichloroethane	25	U	25	R
	Trichloroethene	380	D	380	J
	1,2-Dibromo-3-chloropropane	25	U	25	R
LF01-1DWG05	2,2-Dichloropropane	0.5	U	0 5	R
	1,2-Dichloroethane	0.5	U	0 5	R
	1,2-Dibromo-3-chloropropane	0 5	U	0.5	R
WITCTA016WG05	Dichlorodifluoromethane	0 5	U	0.5	UJ
	2,2-Dichloropropane	0.5	U	0.5	R
	1,2-Dichloroethane	0.5	U	0.5	R
	Trichloroethene	18	-	18	J
	1,2-Dibromo-3-chloropropane	0 5	U	0 5	R
WITCTA016WG05DL	Dichlorodifluoromethane	5	U	5	R
	Trichloroethene	5	U	5	UJ

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TCL VOLATILE ORGANIC COMPOUNDS
USEPA SW846 Method 8260B
USEPA Level III Review

Site: Naval Air Station Fort Worth JRB, Texas SDG #: 9901G022

Client: HydroGeoLogic, Inc. Date: March 9, 1999

Laboratory: Severn Trent Laboratories, Chicago Reviewer: Nancy Weaver

Client Sample ID	Laboratory Sample ID	Matrix
HM123WG07	9901G022-001	Water
HM123WG07DL	9901G022-001DL	Water
WHGLTA004WG07	9901G022-002	Water
WHGLTA004WG07DL	9901G022-002DL	Water
HM-110WG07	9901G022-003	Water
HM-110WG07DL	9901G022-003DL	Water
LSA1628-3WG07	9901G022-004	Water
LSA1628-3WG07DL	9901G022-004DL	Water
DUP06	9901G022-005	Water
DUP06DL	9901G022-005DL	Water
TB012799	9901G022-006	Water

Holding Times - All samples were analyzed within the recommended holding time of 14 days for preserved water samples as specified in Table 5 1.2-1 of the NAS Fort Worth JRB Basewide Quality Assurance Project Plan (QAPP), February, 1998. No qualifications were required

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria No qualifications were required

Initial Calibration - The initial calibration analyzed 1/23/99 exhibited acceptable %RSD and mean RRF values. No qualifications were required.

Continuing Calibration - The continuing calibrations analyzed on 1/31/99, 2/1/99, 2/2/99, and 2/3/99 exhibited acceptable %D and RRF values No qualifications were required.

Surrogates - All samples exhibited acceptable surrogate %R values. No qualifications were required.

Laboratory Control Samples - LCS samples VBLKFJ, VBLKCZ, and VBLKHO exhibited acceptable %R values. No qualifications were required.

LCS sample VBLKDB exhibited a high %R value for 1,3,5-trimethylbenzene of 114%, however, 1,3,5-trimethylbenzene is non-detect in all associated samples and no qualifications were required.

MS/MSD - A MS/MSD sample was not analyzed with this data package.

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria. No qualifications were required.

Method Blank - Method blanks VBLKDB (1/31/99), VBLKCZ (2/1/99), VBLKHO (2/2/99), and VBLKFJ (2/3/99) were free of contamination. No qualifications were required.

Trip, field, equipment blank - Trip blank TB012799 was free of contamination. No qualifications were required

Field Duplicates - Field duplicate results are summarized in the table below. Trans-1,2-Dichloroethene has been qualified (J) in both samples

Compound	HM-110WG07 ug/L	DUP06 ug/L	RPD
Trans-1,2-Dichloroethene	1	3	100*
Cis-1,2-Dichloroethene	78	89	13
Chloroform	0 8	0 8	0
Trichloroethene	540	560	4

Tentatively Identified Compounds (TICs) - All TICs were qualified (T).

Compound Quantitation - trans-1,2-Dichloroethene, cis-1,2-Dichloroethene, and/or trichloroethene in all samples except TB012799 exceeded the linear range of the instrument and were flagged with an "E" by the laboratory. The samples were reanalyzed at a dilution and the original result for these compounds has been replaced with the dilution result. The results on the original Form Is should be used for reporting purposes.

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WET CHEMISTRY
(Alkalinity, Chloride, Nitrate, Sulfate, TOC, TOC Test 2)
USEPA SW846 Methods
USEPA Level III Review

Site Naval Air Station Fort Worth JRB, Texas SDG #: 9901G022

Client. HydroGeoLogic, Inc. Date: March 9, 1999

Laboratory. Severn Trent Laboratories, Chicago Reviewer: Nancy Weaver

Client Sample ID	Laboratory Sample ID	Matrix
HM123WG07	9901G022-001	Water
WHGLTA004WG07	9901G022-002	Water
HM-110WG07	9901G022-003	Water
LSA1628-3WG07	9901G022-004	Water
DUP06	9901G022-005	Water

Holding Times - All samples were analyzed within the recommended holding times as specified in Table 5.1 2-1 of the NAS Fort Worth JRB Basewide Quality Assurance Project Plan (QAPP), February, 1998 No qualifications were required

Calibration - All initial and continuing calibration verifications exhibited acceptable %R values. No qualifications were required.

Method and Calibration Blanks - The method blank BLANK1 was free of contamination No qualifications were required.

Field and Equipment Blank - Field blanks were not associated with the samples in this data package

LCS - The LCS samples exhibited acceptable %R values. No qualifications were required

Matrix Spike/Duplicate - All MS/MSD samples exhibited acceptable %R and RPD values. No qualifications were required

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Field Duplicates - Field duplicate results are summarized in the table below. No qualifications were required.

Compound	HM-110WG07 mg/L	DUP06 mg/L	RPD
Alkalinity	293	306	4
Chloride	12 8	12 7	1
Nitrate	3 4	3 4	0
Sulfate	40 5	40.1	1

Compound Quantitation - No discrepancies were identified.

Comments - The analyses of environmental samples and quality control samples are valid. The NAS Fort Worth JRB Basewide Quality Assurance Project Plan. February, 1998, data validation criteria were used in evaluating the data in this summary report

Data Validation Summary Table - The following table summarizes all qualifications as described in this data validation summary report.

Qualification Summary Table - Wet Chemistry SDG 9901G022					
Sample No	Compound(s)	Reported		Validated	
		Conc	Qualifier	Conc	Qualifier
None Qualified	--	--	--	--	--

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TCL VOLATILE ORGANIC COMPOUNDS
USEPA SW846 Method 8260B
USEPA Level III Review

Site. Naval Air Station Fort Worth JRB, Texas SDG #: 9904G094

Client: HydroGeoLogic, Inc. Date: June 5, 1999

Laboratory. Severn Trent Laboratories, Chicago, IL Reviewer. Nancy Weaver

Client Sample ID	Laboratory Sample ID	Matrix
TB042199	9904G094-001	Water
GMI-22-04MWG08	9904G094-002	Water
GMI-22-04MWG08DL	9904G094-002DL	Water
LSA1628-3WG08	9904G094-003	Water
LSA1628-3WG08DL	9904G094-003DL	Water
GMI-22-07MWG08	9904G094-004	Water
GMI-22-06MWG08	9904G094-005	Water
GMI-22-06MWG08MS	9904G094-005MS	Water
GMI-22-06MWG08MSD	9904G094-005MSD	Water
GMI-22-06MWG08DL	9904G094-005DL	Water
WCHMHTA013WG08	9904G094-006	Water
LF03-3DWG08	9904G094-007	Water
HM-110WG08	9904G094-008	Water
HM-110WG08DL	9904G094-008DL	Water
DUP06WG08	9904G094-009	Water
DUP06WG08DL	9904G094-009DL	Water
LF05-01WG08	9904G094-010	Water
LF05-01WG08DL	9904G094-010DL	Water
TB042299	9904G094-011	Water
WHGLTA203WG08	9904G094-012	Water
SPOT35-5WG08	9904G094-013	Water
SPOT35-5WG08RE	9904G094-013RE	Water
ST14-24WG08	9904G094-014	Water
ST14-W11G08	9904G094-015	Water
DUP02WG08	9904G094-016	Water
MW53WG08	9904G094-017	Water
MW53WG08DL	9904G094-017DL	Water

Holding Times - All samples were analyzed within the recommended holding time of 14 days for preserved water samples as specified in Table 5.1.2-1 of the NAS Fort Worth JRB Basewide Quality Assurance Project Plan (QAPP), February, 1998. No qualifications were required

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria. No qualifications were required.

Initial Calibration - The initial calibrations analyzed on 1/23/99 and 1/24/99 exhibited acceptable %RSD and mean RRF values. No qualifications were required.

Continuing Calibration - The continuing calibration analyzed on 4/29/99 exhibited a high %D value for dichlorodifluoromethane of 25.8%. Dichlorodifluoromethane has been rejected (R) in samples TB042199, GMI-22-04MWG08, LSA1628-3WG08, GMI-22-07MWG08, GMI-22-06MWG08, WCHMHTA013WG08, LF03-3DWG08, HM-110WG08, DUP06WG08, and LF05-01WG08.

The continuing calibration analyzed on 4/30/99 exhibited high %D values for dichlorodifluoromethane, 2,2-dichloropropane, and 1-chlorohexane of 29.6%, 29 5%, and 25.3%, respectively All of the above compounds have been rejected (R) in samples SPOT-5WG08RE, MW53-WG08, GMI-22-04MWG08DL, LSA1628-3WG08DL, GMI-22-06MWG08DL, HM-110WG08DL, DUP06WG08DL, LF05-01WG08DL, TB042299, WHGLTA203WG08, SPOT35-5WG08, ST14-24WG08, ST14-W11G08, and DUP02WG08.

The continuing calibration analyzed on 5/2/99 exhibited high %D values for trichlorofluoromethane, tetrachloroethene, 1-chlorohexane, bromoform, hexachlorobutadiene, and naphthalene of 30 5%, 39.5%, 40.9%, 38.5%, 25.8%, and 35.9%, respectively. All of the above compounds have been rejected (R) in sample MW-53WG08DL

Surrogates - Samples SPOT35-5WG08 and SPOT-5WG08RE exhibited high %R values for surrogate compound S2-toluene-d8 of 133% and 131%, respectively. All positive results have been qualified (J) in both samples. Since the reanalysis sample exhibited similar results, the original sample results should be used for reporting purposes.

Laboratory Control Samples - LCS samples VBLKYY and VBLKYW exhibited acceptable %R values. No qualifications were required.

LCS sample VBLKYU exhibited high %R values for tetrachloroethene, hexachlorobutadiene, and bromochloromethane of 138%, 140%, and 178%, respectively, however, all associated results are non-detect and no qualifications were required.

MS/MSD - MS/MSD sample GMI-22-06MWG08 exhibited a high MS %R value for trichloroethene of 138%, low MS/MSD %R values for trichloroethene and styrene of ok/-6% and 6%/5%, respectively, and a high RPD value for cis-1,2-dichloroethene of 21. Trichloroethene and styrene have been qualified (J) for positive results and (UJ) for non-detects in all samples. Cis-1,2-Dichloroethene has been qualified (J) for positive results in all samples.

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria. No qualifications were required.

Method Blank - Method blanks VBLKYY (4/29/99), VBLKYW (4/30/99), and VBLKYU (5/2/99) were free of contamination. No qualifications were required.

Trip, field, equipment blank - Trip blank TB042199 was free of contamination. No qualifications were required.

Trip blank TB042299 was free of contamination. No qualifications were required.

Field Duplicates - Field duplicate results and qualifications are summarized in the following tables

Compound	HM-110WG08 ug/L	DUP06WG08 ug/L	RPD	Action
Cis-1,2-Dichloroethene	32	31	3	None
Chloroform	0 5	0.5	0	None
Trichloroethene	300	230	26	None

Compound	ST14-W11WG08 ug/L	DUP02WG08 ug/L	RPD	Action
None	ND	ND	--	None

Tentatively Identified Compounds (TICs) - All TICs were qualified (T).

Compound Quantitation - Several samples exhibited several compounds which exceeded the linear range of the instrument and these results were flagged (E) by the laboratory. The samples were diluted and reanalyzed and the original results for these compounds were replaced on the Form I with the dilution results. All results on the original Form Is should be used for reporting purposes.

Comments - The analyses of environmental samples and quality control samples are valid within the constraints identified with the data quality flags as presented in the continuing calibration, surrogate, MS/MSD, and TICs sections of this report. The NAS Fort Worth JRB Basewide Quality Assurance Project Plan, February, 1998, data validation criteria were used in evaluating the data in this summary report.

Data Validation Summary Table - The following table summarizes all qualifications as described in this data validation summary report.

Qualification Summary Table - Volatiles
SDG. 9904G094

Sample No	Compound(s)	Reported		Validated	
		Conc	Qualifier	Conc	Qualifier
TB042199	Dichlorodifluoromethane	0.5	U	0 5	R
	Trichloroethene	0.5	U	0 5	UJ
	Styrene	0.4	U	0 4	UJ
GMI-22-04MWG08	Dichlorodifluoromethane	0 5	U	0 5	R
	Cis-1, 2-Dichloroethene	73	E	90	J
	Trichloroethene	293	E	520	J
	Styrene	0 4	U	0 4	UJ
GMI-22-04MWG08DL	Dichlorodifluoromethane	12	U	12	R
	Cis-1, 2-Dichloroethene	90	D	90	J
	2,2-Dichloropropane	12	U	12	R
	Trichloroethene	520	D	520	J
	1-Chlorohexane	12	U	12	R
	Styrene	10	U	10	UJ
LSA1628-3WG08	Dichlorodifluoromethane	0 5	U	0.5	R
	Cis-1, 2-Dichloroethene	62	E	66	J
	Trichloroethene	270	E	290	J
	Styrene	0 4	U	0 4	UJ
LSA1628-3WG08DL	Dichlorodifluoromethane	5	U	5	R
	Cis-1, 2-Dichloroethene	66	D	66	J
	2,2-Dichloropropane	5	U	5	R
	Trichloroethene	290	D	290	J
	1-Chlorohexane	5	U	5	R
	Styrene	4	U	4	UJ
GMI-22-07MWG08	Dichlorodifluoromethane	0 5	U	0 5	R
	Trichloroethene	0 5	U	0 5	UJ
	Styrene	0 4	U	0 4	UJ
GMI-22-06MWG08	Dichlorodifluoromethane	0.5	U	0 5	R
	Cis-1, 2-Dichloroethene	54	E	57	J
	Trichloroethene	320	E	360	J
	Styrene	0.4	U	0 4	UJ
GMI-22-06MWG08DL	Dichlorodifluoromethane	12	U	12	R
	Cis-1, 2-Dichloroethene	57	D	57	J
	2,2-Dichloropropane	12	U	12	R
	Trichloroethene	360	D	360	J
	1-Chlorohexane	12	U	12	R
	Styrene	10	U	10	UJ

Qualification Summary Table - Volatiles SDG. 9904G094					
Sample No	Compound(s)	Reported		Validated	
		Conc	Qualifier	Conc	Qualifier
WCHMHTA013WG08	Dichlorodifluoromethane	0.5	U	0.5	R
	Trichloroethene	0 5	U	0 5	UJ
	Styrene	0 4	U	0 4	UJ
LF03-3DWG08	Dichlorodifluoromethane	0.5	U	0.5	R
	Trichloroethene	0 5	U	0 5	UJ
	Styrene	0.4	U	0 4	UJ
HM-110WG08	Dichlorodifluoromethane	0 5	U	0.5	R
	Cis-1,2-Dichloroethene	32	-	32	J
	Trichloroethene	220	E	300	J
	Styrene	0.4	U	0 4	UJ
HM-110WG08DL	Dichlorodifluoromethane	12	U	12	R
	2,2-Dichloropropane	12	U	12	R
	Trichloroethene	300	D	300	J
	1-Chlorohexane	12	U	12	R
	Styrene	10	U	10	UJ
DUP06WG08	Dichlorodifluoromethane	0 5	U	0 5	R
	Cis-1,2-Dichloroethene	31	-	31	J
	Trichloroethene	220	E	230	J
	Styrene	0.4	U	0 4	UJ
DUP06WG08DL	Dichlorodifluoromethane	12	U	12	R
	2,2-Dichloropropane	12	U	12	R
	Trichloroethene	230	D	230	J
	1-Chlorohexane	12	U	12	R
	Styrene	10	U	10	UJ
LF05-01WG08	Dichlorodifluoromethane	0.5	U	0 5	R
	Cis-1,2-Dichloroethene	250	E	440	J
	Trichloroethene	11	-	11	J
	Styrene	0 4	U	0 4	UJ
LF05-01WG08DL	Dichlorodifluoromethane	12	U	12	R
	Cis-1,2-Dichloroethene	440	D	440	J
	2,2-Dichloropropane	12	U	12	R
	Trichloroethene	12	U	12	UJ
	1-Chlorohexane	12	U	12	R
	Styrene	10	U	10	UJ
TB042299	Dichlorodifluoromethane	0 5	U	0 5	R
	2,2-Dichloropropane	0 5	U	0 5	R
	Trichloroethene	0 5	U	0 5	UJ
	1-Chlorohexane	0 5	U	0 5	R
	Styrene	0 4	U	0 4	UJ
WHGLTA203WG08	Dichlorodifluoromethane	0.5	U	0 5	R
	Cis-1,2-Dichloroethene	7	-	7	J
	2,2-Dichloropropane	0 5	U	0 5	R
	Trichloroethene	0.5	U	0 5	UJ
	1-Chlorohexane	0 5	U	0 5	R
	Styrene	0 4	U	0 4	UJ
SPOT35-5WG08	Dichlorodifluoromethane	0 5	U	0.5	R
	2,2-Dichloropropane	0 5	U	0 5	R
	Trichloroethene	0 5	U	0 5	UJ

Qualification Summary Table - Volatiles SDG 9904G094					
Sample No	Compound(s)	Reported		Validated	
		Conc	Qualifier	Conc	Qualifier
	1-Chlorohexane	0.5	U	0 5	R
	Styrene	0.4	U	0 4	UJ
	Isopropylbenzene	20	-	20	J
	n-Propylbenzene	22	-	22	J
	tert-Butylbenzene	2	-	2	J
	sec-Butylbenzene	7	-	7	J
	Naphthalene	37	-	37	J
SPOT35-5WG08RE	Dichlorodifluoromethane	0.5	U	0 5	R
	2,2-Dichloropropane	0 5	U	0 5	R
	Trichloroethene	0 5	U	0 5	UJ
	1-Chlorohexane	0.5	U	0 5	R
	Styrene	0 4	U	0 4	UJ
	Isopropylbenzene	24	-	24	J
	n-Propylbenzene	27	-	27	J
	tert-Butylbenzene	2	-	2	J
	sec-Butylbenzene	8	-	8	J
	Naphthalene	36	-	36	J
ST14-24WG08	Dichlorodifluoromethane	0 5	U	0 5	R
	2,2-Dichloropropane	0 5	U	0 5	R
	Trichloroethene	0.5	U	0 5	UJ
	1-Chlorohexane	0 5	U	0 5	R
	Styrene	0 4	U	0 4	UJ
ST14-W11G08	Dichlorodifluoromethane	0.5	U	0 5	R
	2,2-Dichloropropane	0 5	U	0 5	R
	Trichloroethene	0 5	U	0 5	UJ
	1-Chlorohexane	0 5	U	0.5	R
	Styrene	0 4	U	0 4	UJ
DUP02WG08	Dichlorodifluoromethane	0.5	U	0 5	R
	2,2-Dichloropropane	0.5	U	0 5	R
	Trichloroethene	0.5	U	0 5	UJ
	1-Chlorohexane	0.5	U	0 5	R
	Styrene	0.4	U	0 4	UJ
MW53WG08	Dichlorodifluoromethane	0 5	U	0 5	R
	Cis-1,2-Dichloroethene	13	-	13	J
	2,2-Dichloropropane	0 5	U	0 5	R
	Trichloroethene	78	E	93	J
	1-Chlorohexane	0 5	U	0 5	R
	Styrene	0 4	U	0 4	UJ
MW53WG08DL	Trichlorofluoromethane	2	U	2	R
	Tetrachloroethene	2	U	2	R
	1-Chlorohexane	2	U	2	R
	Bromoform	2	U	2	R
	Hexachlorobutadiene	2	U	2	R
	Naphthalene	2	U	2	R

ENVIRONMENTAL
Data Services, Inc.

SPLP METALS (Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium and Lead)
USEPA SW846 Methods 6010A, - Level III Review

Site: Naval Air Station Fort Worth - DO15 SDG #: 9910G554

Client: HydroGeoLogic, Inc. Date: December 31, 1999

Laboratory: Severn Trent Laboratories, Chicago, IL Reviewer: Nancy Weaver

Client Sample ID	Laboratory Sample ID	Matrix
BHGLSWMU6002	9910G554-002	SPLP Extract - Water
BHGLSWMU5001	9910G554-004	SPLP Extract - Water
BHGLSWMU32003	9910G554-010	SPLP Extract - Water
BHGLSWMU12001	9910G554-012	SPLP Extract - Water
BHGLSWMU12002	9910G554-014	SPLP Extract - Water
BHGLSWMU12003	9910G554-016	SPLP Extract - Water
BHGLSWMU31002	9910G554-020	SPLP Extract - Water
BHGLSWMU11001	9910G554-022	SPLP Extract - Water
BHGLSWMU11001	9910G554-024	SPLP Extract - Water
BHGLSWMU11001	9910G554-026	SPLP Extract - Water
BHGLSWMU11001	9910G554-028	SPLP Extract - Water
BHGLSWMU11002	9910G554-030	SPLP Extract - Water
BHGLSWMU11002	9910G554-032	SPLP Extract - Water
BHGLSWMU11002	9910G554-034	SPLP Extract - Water
BHGLSWMU39001	9910G554-036	SPLP Extract - Water
BHGLSWMU42004	9910G554-038	SPLP Extract - Water
BHGLSWMU33001	9910G554-040	SPLP Extract - Water
BHGLSWMU33002	9910G554-042	SPLP Extract - Water

Holding Times: All samples were extracted and analyzed within the recommended holding time of 180 days for SPLP Metals (antimony, arsenic, barium, beryllium, cadmium, chromium and lead), as specified in Table 5.1.2-1 of the NAS Fort Worth JRB Basewide Quality Assurance Project Plan (QAPP), February, 1998. No qualifications were required.

Calibration: All initial and continuing calibration verifications exhibited acceptable %R values *No qualifications were required.*

Method Blanks: The water preparation blanks PBW (11/17/99) and PBW (11/17/99), initial and continuing calibration blanks exhibited contamination for barium and beryllium. No qualifications were required.

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Field and equipment blank: Field quality control samples were not associated with the samples in this data package.

ICP Interference Check Sample: An ICP interference check sample was not analyzed with this data package.

LCS: An LCS was not analyzed with this data package.

ICP Serial Dilutions: An ICP serial dilution was not analyzed with this data package.

Matrix Spike: A matrix spike sample was not analyzed with this data package

Matrix Spike Duplicate: A matrix duplicate sample was not analyzed with this data package.

Field Duplicates: A field duplicate was not associated with the samples analyzed with this data package.

Graphite Furnace Atomic Absorption (GFAA) Analysis: Several samples exhibited a postdigestion spike for antimony, arsenic, and cadmium analysis out of control limits (85-115%) and sample absorbance is less than 50% of spike absorbance. The laboratory flagged these results (W) and the reviewer further qualified these results (UJ).

Compound Quantitation: All results between the MDL and the PQL have been qualified (F).

Comments: The analyses of environmental samples and quality control samples are valid within the constraints identified with the data quality flags as presented in the GFAA, and compound quantitation sections of this report. The NAS Fort Worth JRB Basewide Quality Assurance Project Plan, February, 1998, data validation criteria were used in evaluating the data in this summary report.

Data Validation Summary Table - The following table summarizes all qualifications as described in this data validation summary report.

Qualification Summary Table - Metals/Cyanide SDG. 9910G554					
Sample No.	Compound(s)	Reported		Validated	
		Conc.	Qualifier	Conc	Qualifier
BHGLSWMU06002	Arsenic	9.8	B	9.8	F
BHGLSWMU05001	Arsenic	2 0	UW	2 0	UJ
BHGLSWMU32003	Arsenic	32.0	B	32 0	F
BHGLSWMU12002	Cadmium	0 20	UW	0 20	UJ
BHGLSWMU12003	Cadmium	1.3	B	1 3	F
BHGLSWMU31002	Cadmium	0 59	B	0 59	F
BHGLSWMU11001	Lead	9.4	B	9.4	F
BHGLSWMU11002	Antimony	2 6	UW	2 6	UJ
BHGLSWMU11002	Arsenic	9.5	B	9 5	F
BHGLSWMU33001	Antimony	2 6	UW	2 6	UJ
BHGLSWMU33002	Chromium	1 8	B	1 8	F

Metals
SW-846 ICP, furnace, and cold vapor methods
USEPA Level III Review

Site Naval Air Station Fort Worth JRB, Texas — SDG # 9911G981

Laboratory STL - Chicago — Date 02/17/00

HydroGeoLogic, Inc Reviewer Ken Rapuano — Project AFC001-15BBC

Client Sample ID	Laboratory Sample ID	Matrix
BHGLSWMU36003-02 (Cr & Pb)	9911G981-002	Water (SPLP Extract)
BHGLSWMU05003-02 (Pb)	9911G981-004	Water (SPLP Extract)
BHGLSWMU32001-01 (Cd)	9911G981-006	Water (SPLP Extract)
BHGLSWMU31001-01 (Ba, Cd, Cr, Hg, & Pb)	9911G981-008	Water (SPLP Extract)

Sample Delivery and Condition - These soil samples were originally analyzed for total metals in June and the results were reported in several SDGs Proper custody (internal and external) was documented No qualification required

Holding Times - The holding time for metals SPLP extraction is 180 days, with the exception of mercury, which is 28 days Sample BHGLSWMU36003-02 was extracted at day 191 for metals and sample BHGLSWMU31001-01 was extracted for mercury on day 177 All other samples were extracted within the method holding time All samples were analyzed within the required holding times after extraction The chromium and lead detects in sample BHGLSWMU36003-02 are qualified J and the mercury non-detect in sample BHGLSWMU31001-01 is rejected (qualified R)

Calibration - The initial and continuing calibration verification standards had acceptable recoveries The CRDL standard had a recovery of 100% No qualification required

Method and Calibration Blanks - The preparation blank had a detection of 228 µg/l for barium The barium result in sample BHGLSWMU31001-01 is qualified U as an extraction artifact The initial and continuing calibration blanks had low-level detections for chromium No data were qualified as both chromium detections were more than 10X the highest associated blank

Equipment Blanks - No equipment blanks were evaluated because all samples were SPLP extracts to determine leachability of analytes already verified as present in the original soil samples No qualification necessary

ICP Interference Check Sample - All %Rs were in control No qualification necessary

ICP Serial Dilution - No serial dilution was performed in this package No qualification required

Laboratory Control Samples - All LCSs had acceptable recoveries No qualification required

Recovery Tests - The recovery test for cadmium was above the UCL for samples BHGLSWMU32001-01 and BHGLSWMU31001-01 The cadmium non-detections in these samples are qualified UJ

MS/MSD - No MS/MSD was submitted with this package No qualification required

Field Duplicates - No field duplicates were submitted No qualification required

Compound Quantitation - All elements detected below the PQL are qualified 'F'

Qualification Summary Table

Sample ID	Analyte	Lab Val	Lab Qual	HGL Val	HGL Qual
BHGLSWMU36003-02	Chromium	135	--	135	J
	Lead	41 4	--	41 4	J
BHGLSWMU05003-02	Lead	27 1	--	27 1	--
BHGLSWMU32001-01	Cadmium	0 20	U	PQL	UJ
BHGLSWMU31001-01	Barium	403	--	403	U
	Cadmium	0 20	U	PQL	UJ
	Chromium	16 3	B	16 3	F
	Lead	17 5	--	17 5	--
	Mercury	2 0	U	2 0	R

733 372
received

ENVIRONMENTAL
Data Services, Inc.

METALS (As)

USEPA SW846 Methods 6010B - Level III Review

Site Naval Air Station Fort Worth - DO15 SDG #: 9A04G026

Client: HydroGeoLogic, Inc. Date: May 17, 2000

Laboratory: Severn Trent Laboratories, Chicago, IL Reviewer: Cathy Shelby

Client Sample ID	Laboratory Sample ID	Matrix
BHGLSWMU1200403	9A04026-001	Soil

Holding Times - All samples were extracted and analyzed within the recommended holding time of 180 days for all metals as specified in the NAS Fort Worth JRB Basewide Quality Assurance Project Plan (QAPP), March 2000. No qualifications were required

Calibration - All initial and continuing calibration verifications exhibited acceptable %R values. No qualifications were required

Method Blanks - The preparation blank PBS, initial and continuing calibration blanks exhibited arsenic contamination at 4.7 ug/L, however, the associated result is greater than 5X the blank concentration and no qualifications were required.

Field and equipment blank - Equipment blank EB042800 (from SDG 9A04G032) was free of contamination No qualifications were required.

ICP Interference Check Sample - All % recovery values met the QC acceptance criteria. No qualifications were required

LCS - The LCS sample exhibited acceptable %R values. No qualifications were required.

ICP Serial Dilution - An ICP serial dilution sample was not analyzed with this data package

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Matrix Spike/Duplicate - A matrix spike/duplicate sample was not analyzed with this data package.

Field Duplicates - Field duplicate samples were not analyzed with this data package

Graphite Furnace Atomic Absorption (GFAA) Analysis - No discrepancies were identified

Compound Quantitation - All results between the MDL and the PQL have been qualified (F).

Comments - The analyses of environmental samples and quality control samples are valid within the constraints identified with the data quality flags as presented in the compound quantitation section of this report. The NAS Fort Worth JRB 2000 Basewide Quality Assurance Project Plan, March 2000, data validation criteria were used in evaluating the data in this summary report.

Data Validation Summary Table - The following table summarizes all qualifications as described in this data validation summary report.

Qualification Summary Table - Metals SDG 9A04G026					
Sample No	Compound(s)	Reported		Validated	
		Conc	Qualifier	Conc	Qualifier
BHGLSWMU200403	Arsenic	3 2	B	3 2	F

733 374
received

ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS (BENZENE)
USEPA SW846 Method 8260B - Level III Review

Site Naval Air Station Fort Worth - DO15 SDG #. 9A04G026

Client· HydroGeoLogic, Inc. Date: June 17, 2000

Laboratory Severn Trent Laboratories, Chicago, IL Reviewer. Cathy Shelby

Client Sample ID	Laboratory Sample ID	Matrix
BHGLSWMU1200403	9A04G026-001	Soil
BHGLSWMU1200602	9A04G026-002	Soil
BHGLSWMU1200702	9A04G026-003	Soil
BHGLSWMU1200402	9A04G026-004	Soil

Holding Times - All samples were analyzed within the recommended holding time of 14 days for soil samples as specified in the NAS Fort Worth JRB 2000 Basewide Quality Assurance Project Plan (QAPP), March 2000. No qualifications were required.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria No qualifications were required

Initial Calibration - The initial calibrations analyzed on 04/30/00 and 05/10/00 exhibited acceptable %RSD values and/or correlation coefficients and mean RRF values No qualifications were required

Continuing Calibration - The continuing calibrations analyzed on 05/10/00 exhibited acceptable %D and RRF values. No qualifications were required

Surrogates - Sample BHGLSWMU1200402 exhibited a high %R value for surrogate compound toluene-d8 of 180%. Benzene has been qualified (J) in this sample.

Laboratory Control Samples - LCS samples VBLKLO and VBLKLF exhibited acceptable %R values No qualifications were required.

MS/MSD - A MS/MSD sample was not analyzed with this data package

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Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria No qualifications were required.

Method Blank - Method blanks VBLKLO (05/10/00) and VBLKLF (05/10/00) were free of contamination No qualifications were required.

Trip, field, equipment blank - Trip blank TB042800 (from SDG 9A04G032) was free of contamination No qualifications were required.

Equipment blank EB042800 (from SDG 9A04G032) was free of contamination No qualifications were required

Field Duplicates - Field duplicate samples were not analyzed with this data package.

Tentatively Identified Compounds - TIC samples were not reported with this data package.

Compound Quantitation - No discrepancies were identified.

Comments - The analyses of environmental samples and quality control samples are valid within the constraints identified with the data quality flags as presented in the surrogate section of this report. The NAS Fort Worth JRB 2000 Basewide Quality Assurance Project Plan, March 2000, data validation criteria were used in evaluating the data in this summary report

Data Validation Summary Table - The following table summarizes all qualifications as described in this data validation summary report

Qualification Summary Table - Volatiles SDG 9A04G026					
Sample No	Compound(s)	Reported		Validated	
		Conc	Qualifier	Conc	Qualifier
BHGLSWMU1200402	Benzene	1300	-	1300	J

733 370
received

ENVIRONMENTAL
Data Services, Inc.

SPLP TOTAL PETROLEUM HYDROCARBONS

Texas Method 1005 (Rev 4/98) - Level III Review

Site. Naval Air Station Fort Worth - DO15 SDG #: 9A04G029

Client. HydroGeoLogic, Inc Date: May 26, 2000

Laboratory. Severn Trent Laboratories, Austin, TX Reviewer. Cathy Shelby

Client Sample ID	Laboratory Sample ID	Matrix
BHGLSWMU1200602	9A04G029-002	Water
BHGLSWMU1200702	9A04G029-004	Water
BHGLSWMU1200402	9A04G029-006	Water

Holding Times - All samples were extracted within 14 days and analyzed within 14 days of extraction as specified in the NAS Fort Worth JRB Basewide Quality Assurance Project Plan (QAPP), March 2000 No qualifications were required

Initial Calibration - The initial calibration analyzed on 04/28/00 exhibited acceptable %RSD and mean RRF values. No qualifications were required.

Continuing Calibration - The continuing calibrations analyzed on 05/02/00, 05/03/00, 05/06/00, 05/08/00, 05/10/00 and 05/11/00 exhibited acceptable %D and RRF values. No qualifications were required

Laboratory Control Samples - LCS sample DCWFK101 exhibited acceptable %R values. No qualifications were required

MS/MSD - MS/MSD sample EB042800 (from another SDG) exhibited acceptable %R and RPD values No qualifications were required.

Method Blank - Method blank DCWFK101 (05/08/00) was free of contamination. No qualifications were required

Field, equipment blank - Field QC samples were not analyzed with this data package.

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Field Duplicates - Field duplicate samples were not analyzed with this data package.

Compound Quantitation - No discrepancies were identified.

Comments - The analyses of environmental samples and quality control samples are valid The NAS Fort Worth JRB Basewide Quality Assurance Project Plan, March 2000, data validation criteria were used in evaluating the data in this summary report

Data Validation Summary Table - The following table summarizes all qualifications as described in this data validation summary report

Qualification Summary Table - SPLP TPH SDG 9A04G029					
Sample No	Compound(s)	Reported		Validated	
		Conc.	Qualifier	Conc	Qualifier
None Qualified	--	--	--	--	--

733 378
received

ENVIRONMENTAL
Data Services, Inc

TOTAL PETROLEUM HYDROCARBONS

Texas Method 1005 (Rev 4/98) - Level III Review

Site: Naval Air Station Fort Worth - DO15 SDG # 9A04G028

Client: HydroGeoLogic, Inc Date June 5, 2000

Laboratory Severn Trent Laboratories, Austin, TX Reviewer Cathy Shelby

Client Sample ID	Laboratory Sample ID	Matrix
BHGLSWMU1200602	9A04G028-001	Soil
BHGLSWMU1200702	9A04G028-002	Soil
BHGLSWMU1200402	9A04G028-003	Soil
EB042800	9A04G028-004	Water
EB042800MS	9A04G028-004MS	Water
EB042800MSD	9A04G028-004MSD	Water

Holding Times - All samples were analyzed within 7 days for water samples and 14 days for soil samples as specified in the NAS Fort Worth JRB Basewide Quality Assurance Project Plan (QAPP), March 2000 with the exception of sample EB042800. Sample EB042800 was analyzed outside of 7 days and all results have been qualified (UJ) in this sample.

Initial Calibration - The initial calibration analyzed on 04/28/00 exhibited acceptable %RSD and mean RRF values No qualifications were required.

Continuing Calibration - The continuing calibrations analyzed on 05/02/00, 05/03/00, 05/06/00, 05/08/00, 05/10/00 and 05/11/00 exhibited acceptable %D and RRF values No qualifications were required.

Laboratory Control Samples - LCS samples DCWTK102 and DDON5102 exhibited acceptable %R values No qualifications were required

MS/MSD - MS/MSD sample EB042800 (water) exhibited acceptable %R and RPD values. No qualifications were required

MS/MSD sample REFERENCE exhibited low MS/MSD %R values for TPH of 51%/54%, however, since this sample is from another data package, no qualifications were required.

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Method Blank - Method blanks DCWFK101 (05/08/00) and DDON5101 (05/10/00) were free of contamination No qualifications were required

Field. equipment blank - Equipment blank EB042800 was free of contamination. No qualifications were required

Field Duplicates - Field duplicate samples were not analyzed with this data package.

Compound Quantitation - No discrepancies were identified.

Comments - The analyses of environmental samples and quality control samples are valid within the constraints identified with the data quality flags as presented in the holding time section of this report. The NAS Fort Worth JRB Basewide Quality Assurance Project Plan, March 2000, data validation criteria were used in evaluating the data in this summary report.

Data Validation Summary Table - The following table summarizes all qualifications as described in this data validation summary report.

Qualification Summary Table - TPH SDG 9A04G028					
Sample No.	Compound(s)	Reported		Validated	
		Conc	Qualifier	Conc	Qualifier
EB042800	>C10-C28	ND	-	ND	UJ
	C6-C28	ND	-	ND	UJ
	C6-C10	ND	-	ND	UJ

received

Data Services, Inc.

METALS (As, Ba, Co, Pb)
USEPA SW846 Methods 6010B & 7421 - Level III Review

Site: Naval Air Station Fort Worth - DO15 SDG #: 9A04G923

Client: HydroGeoLogic, Inc. Date: June 13, 2000

Laboratory: Severn Trent Laboratories, Chicago, IL Reviewer: Cathy Shelby

Client Sample ID	Laboratory Sample ID	Matrix
BHGLSWMU0500602	9A04G923-001	Soil
BHGLSWMU0500502	9A04G923-002	Soil
BHGLSWMU0500402	9A04G923-003	Soil
BHGLSWMU0600402	9A04G923-004	Soil
DUP-01	9A04G923-005	Soil
DUP-02	9A04G923-006	Soil
BHGLSWMU1100302	9A04G923-007	Soil
BHGLSWMU1100303	9A04G923-008	Soil
BHGLSWMU1100304	9A04G923-009	Soil
BHGLSWMU1100304MS	9A04G923-009MS	Soil
BHGLSWMU1100304MSD	9A04G923-009MSD	Soil
EB042400	9A04G923-010	Water
BHGLTWMU1100402	9A04G923-011	Soil
BHGLSWMU1100403	9A04G923-012	Soil
BHGLSWMU1100502	9A04G923-013	Soil
DUP03	9A04G923-014	Soil
BHGLSWMU1100503	9A04G923-015	Soil
BHGLSWMU110600302	9A04G923-016	Soil

Holding Times - All samples were extracted and analyzed within the recommended holding time of 180 days for all metals as specified in the NAS Fort Worth JRB Basewide Quality Assurance Project Plan (QAPP), March 2000. No qualifications were required.

Calibration - All initial and continuing calibration verifications exhibited acceptable %R values. No qualifications were required.

Method Blanks - The water preparation blank PBW, initial and continuing calibration blanks were free of contamination No qualifications were required.

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The water preparation blank PBW, initial and continuing calibration blanks were free of negative blank contamination. No qualifications were required

The soil preparation blank PBS, initial and continuing calibration blanks exhibited arsenic contamination at 4.7 ug/L Arsenic has been qualified (U) samples BHGLSWMU0600402 and DUP-02

The soil preparation blank PBS, initial and continuing calibration blanks exhibited negative blank contamination for cobalt and lead at -0.240 mg/kg and -1.88 ug/L, respectively, however, all associated results are greater than 5X the blank concentration and no qualifications were required.

Field and equipment blank - Equipment blank EB042400 exhibited barium contamination at 16.5 ug/L, however, all associated results are greater than 5X the blank concentration and no qualifications were required.

ICP Interference Check Sample - All % recovery values met the QC acceptance criteria. No qualifications were required.

LCS - The LCS sample exhibited acceptable %R values. No qualifications were required.

ICP Serial Dilution - An ICP serial dilution sample was not analyzed with this data package

Matrix Spike/Duplicate - Matrix spike/duplicate sample BHGLSWMU1100304 exhibited a low %R value for lead of 73 7%. Lead has been qualified (J) in this sample.

Field Duplicates - Field duplicate results are summarized in the table below. Barium has been qualified (J) in sample BHGLSWMU600402.

Compound	BHGLSWMU0500402 mg/kg	DUP01 mg/kg	Diff %RPD
Barium	58 8	66 2	11 8%
Cobalt	5 4	15 7	10 3

Compound	BHGLSWMU0600402 mg/kg	DUP02 mg/kg	Diff %RPD
Barium	44 3	33 7B	27%*
Cobalt	21 1B	1.8B	0 3
Lead	5 0	4 7	0 3

Compound	BHGLSWMU1100503 mg/kg	DUP03 mg/kg	Diff %RPD
Arsenic	5 6	3 0	2 6
Lead	11 2	10 4	0 8

Graphite Furnace Atomic Absorption (GFAA) Analysis - Sample BHGLSWMU1100402 exhibited a postdigestion spike for lead analysis out of control limits (85-125%) and sample absorbance is less than 50% of spike absorbance The lab flagged this result (W), however, since this result is less than the PQL and has already been qualified (F), no further qualifications were required.

Compound Quantitation - All results between the MDL and the PQL have been qualified (F).

Comments - The analyses of environmental samples and quality control samples are valid within the constraints identified with the data quality flags as presented in the method blank, matrix spike/duplicate, field duplicate and compound quantitation sections of this report. The NAS Fort Worth JRB 2000 Basewide Quality Assurance Project Plan, March 2000, data validation criteria were used in evaluating the data in this summary report.

Data Validation Summary Table - The following table summarizes all qualifications as described in this data validation summary report

Qualification Summary Table - Metals SDG 9A04G923					
Sample No	Compound(s)	Reported		Validated	
		Conc	Qualifier	Conc	Qualifier
BHGLSWMU0500602	Arsenic	3 1	B	3 1	F
	Cobalt	2 4	B	2 4	F
BHGLSWMU0500502	Lead	7 7	BN	7 7	F
BHGLSWMU0600402	Arsenic	0 82	B	0 82	U
	Barium	44 3	-	44 3	J
	Cobalt	2 1	B	2 1	F
DUP-02	Arsenic	0 90	B	0 90	U
	Barium	33 7	B	33 7	F
	Cobalt	1 8	B	1 8	F
BHGLSWMU1100303	Lead	6 4	BN	6 4	F
BHGLSWMU1100304	Lead	4 4	N	4 4	J
EB042400	Barium	16 5	B	16 5	F
BHGLSWMU1100402	Lead	8 4	BWN	8 4	F
BHGLSWMU1100403	Lead	6 7	BN	6 7	F
BHGLSWMU1100502	Lead	7 9	BN	7 9	F
DUP-03	Arsenic	3 0	B	3 0	F
BHGLSWMU110600302	Barium	20 3	B	20 3	F

received

Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS
(2-BUTANONE & BENZENE)
USEPA SW846 Method 8260B - Level III Review

Site: Naval Air Station Fort Worth - DO15 SDG #: 9A04G955

Client: HydroGeoLogic, Inc. Date: June 13, 2000

Laboratory: Severn Trent Laboratories, Chicago, IL Reviewer: Cathy Shelby

Client Sample ID	Laboratory Sample ID	Matrix
BHGLSWMU3100401	9A04G955-001	Soil
BHGLSWMU3100301	9A04G955-002	Soil

Holding Times - All samples were analyzed within the recommended holding time of 14 days for soil samples as specified in the NAS Fort Worth JRB 2000 Basewide Quality Assurance Project Plan (QAPP), March 2000. No qualifications were required

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria No qualifications were required

Initial Calibration - The initial calibration analyzed on 04/30/00 exhibited acceptable %RSD values and/or correlation coefficients No qualifications were required.

Continuing Calibration - The continuing calibration analyzed on 05/04/00 exhibited acceptable %D and RRF values. No qualifications were required.

Surrogates - All samples exhibited acceptable surrogate %R values No qualifications were required.

Laboratory Control Samples - LCS sample VBLKDU exhibited acceptable %R values No qualifications were required

MS/MSD - A MS/MSD sample was not analyzed with this data package

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Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria. No qualifications were required

Method Blank - Method blank VBLKDU (05/04/00) was free of contamination No qualifications were required

Trip, field, equipment blank - Trip blank TB042500 (from SDG 9A04G961) was free of contamination No qualifications were required

Equipment blank EB042500 (from SDG 9A04G961) exhibited methylene chloride contamination at 17 ug/L, however, this is not a reported compound in this data package and no qualifications were required

Field Duplicates - Field duplicate samples were not analyzed with this data package

Tentatively Identified Compounds - TICs were not analyzed with this data package.

Compound Quantitation - No discrepancies were identified

Comments - The analyses of environmental samples and quality control samples are valid The NAS Fort Worth JRB 2000 Basewide Quality Assurance Project Plan, March 2000, data validation criteria were used in evaluating the data in this summary report.

Data Validation Summary Table - The following table summarizes all qualifications as described in this data validation summary report.

Qualification Summary Table - Volatiles SDG 9A04G955					
Sample No	Compound(s)	Reported		Validated	
		Conc	Qualifier	Conc	Qualifier
None Qualified	--	--	--	--	--

received

Data Services, Inc.

METALS (Ba, Cd, Cr, Pb, Hg)

USEPA SW846 Methods 6010B, 7421, 7471A - Level III Review

Site: Naval Air Station Fort Worth - DO15 SDG #: 9A04G955

Client: HydroGeoLogic, Inc. Date: June 13, 2000

Laboratory: Severn Trent Laboratories, Chicago, IL Reviewer: Cathy Shelby

Client Sample ID	Laboratory Sample ID	Matrix
BHGLSWMU3100401	9A04G955-001	Soil
BHGLSWMU3100301	9A04G955-002	Soil
BHGLSWMU3100501	9A04G955-003	Soil
BHGLSWMU3100601	9A04G955-004	Soil

Holding Times - All samples were extracted and analyzed within the recommended holding time of 28 days for mercury and 180 days for all other metals as specified in the NAS Fort Worth JRB Basewide Quality Assurance Project Plan (QAPP), March 2000. No qualifications were required.

Calibration - All initial and continuing calibration verifications exhibited acceptable %R values No qualifications were required

Method Blanks - The preparation blank PBS, initial and continuing calibration blanks were free of contamination. No qualifications were required

The preparation blank PBS, initial and continuing calibration blanks exhibited negative blank contamination for cadmium of -0.08 mg/kg, however, all associated results are less than the PQL or greater than 5X the blank concentration. No qualifications were required

Field and equipment blank - Equipment blank EB042500 (from SDG 9A04G961) was free of contamination. No qualifications were required.

ICP Interference Check Sample - All % recovery values met the QC acceptance criteria No qualifications were required.

LCS - The LCS sample exhibited acceptable %R values. No qualifications were required.

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ICP Serial Dilution - An ICP serial dilution sample was not analyzed with this data package.

Matrix Spike/Duplicate - A matrix spike/duplicate sample was not analyzed with this data package.

Field Duplicates - Field duplicate samples were not analyzed with this data package

Graphite Furnace Atomic Absorption (GFAA) Analysis - No discrepancies were identified.

Compound Quantitation - All results between the MDL and the PQL have been qualified (F)

Comments - The analyses of environmental samples and quality control samples are valid within the constraints identified with the data quality flags as presented in the compound quantitation section of this report The NAS Fort Worth JRB 2000 Basewide Quality Assurance Project Plan, March 2000, data validation criteria were used in evaluating the data in this summary report.

Data Validation Summary Table - The following table summarizes all qualifications as described in this data validation summary report

Qualification Summary Table - Metals SDG 9A04G955					
Sample No	Compound(s)	Reported		Validated	
		Conc	Qualifier	Conc	Qualifier
BHGLSWMU3100401	Cadmium	0 35	B	0 35	F
BHGLSWMU3100301	Cadmium	0 31	B	0 31	F
BHGLSWMU3100501	Cadmium	0 45	B	0 45	F

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Data Services, Inc.

SPLP VOLATILE ORGANIC COMPOUNDS (2-BUTANONE & BENZENE)

USEPA SW846 Method 8260B - Level III Review

Site: Naval Air Station Fort Worth - DO15 SDG #. 9A04G957

Client HydroGeoLogic, Inc. Date June 13, 2000

Laboratory: Severn Trent Laboratories, Chicago, IL Reviewer. Cathy Shelby

Client Sample ID	Laboratory Sample ID	Matrix
BHGLSWMU3100401	9A04G957-002	Water
BHGLSWMU3100301	9A04G957-004	Water

Holding Times - All samples were extracted within 14 days and analyzed within 14 days of extraction as specified in the NAS Fort Worth JRB 2000 Basewide Quality Assurance Project Plan (QAPP), March 2000 No qualifications were required.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria. No qualifications were required.

Initial Calibration - The initial calibration analyzed on 05/03/00 exhibited acceptable %RSD values and/or correlation coefficients and mean RRF values. No qualifications were required

Continuing Calibration - The continuing calibrations analyzed on 05/05/00 exhibited acceptable %D and RRF values. No qualifications were required.

Surrogates - All samples exhibited acceptable surrogate %R values No qualifications were required.

Laboratory Control Samples - LCS samples VBLKRM and VBLKHV exhibited acceptable %R values. No qualifications were required.

MS/MSD - A MS/MSD sample was not analyzed with this data package.

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria. No qualifications were required.

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Method Blank - Method blanks VBLKRM (05/05/00), VBLKHV (05/05/00) and VBLKHX (05/05/00) were free of contamination No qualifications were required.

Trip. field. equipment blank - Trip blank TB042500 (from SDG 9A04G961) was free of contamination No qualifications were required

Equipment blank EB042500 (from SDG 9A04G961) exhibited methylene chloride contamination at 17 ug/L, however, this is not a reported compound in this data package and no qualifications were required.

Field Duplicates - Field duplicate samples were not analyzed with this data package

Tentatively Identified Compounds - TICs were not analyzed with this data package.

Compound Quantitation - No discrepancies were identified.

Comments - The analyses of environmental samples and quality control samples are valid The NAS Fort Worth JRB 2000 Basewide Quality Assurance Project Plan, March 2000, data validation criteria were used in evaluating the data in this summary report.

Data Validation Summary Table - The following table summarizes all qualifications as described in this data validation summary report

Qualification Summary Table - SPLP Volatiles SDG 9A04G957					
Sample No	Compound(s)	Reported		Validated	
		Conc	Qualifier	Conc	Qualifier
None Qualified	--	--	--	--	--

733 389
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ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS

USEPA SW846 Method 8260B - Level III Review

Site: Naval Air Station Fort Worth - DO15 SDG #: 9A04G023

Client: HydroGeoLogic, Inc. Date: June 16, 2000

Laboratory: Severn Trent Laboratories, Chicago, IL Reviewer: Cathy Shelby

Client Sample ID	Laboratory Sample ID	Matrix
BHGLSWMU1200703	9A04G023-005	Soil
BHGLSWMU1200603	9A04G023-007	Soil

Holding Times - All samples were analyzed within the recommended holding time of 14 days for soil samples as specified in the NAS Fort Worth JRB 2000 Basewide Quality Assurance Project Plan (QAPP), March 2000. No qualifications were required.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria No qualifications were required

Initial Calibration - The initial calibrations analyzed 03/27/00 and 04/30/00 exhibited acceptable %RSD values and/or correlation coefficients and mean RRF values. No qualifications were required

Continuing Calibration - The continuing calibrations analyzed on 05/10/00 and 05/11/00 exhibited acceptable % D and RRF values. No qualifications were required.

Surrogates - All samples exhibited acceptable surrogate %R values. No qualifications were required

Laboratory Control Samples - LCS sample VBLKLO exhibited acceptable %R values. No qualifications were required

LCS sample VBLKUB exhibited a high %R value for vinyl chloride of 193%, however, the associated result is non-detect and no qualifications were required.

MS/MSD - A MS/MSD sample was not analyzed with this data package

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Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria No qualifications were required.

Method Blank - Method blanks VBLKLO (05/10/00) and VBLKUB (05/11/00) were free of contamination No qualifications were required.

Trip, field, equipment blank - Equipment blank EB042800 (from SDG 9A04G032) was free of contamination. No qualifications were required.

Field Duplicates - Field duplicate samples were not analyzed with this data package.

Tentatively Identified Compounds - TICs were not reported with the samples in this data package

Compound Quantitation - No discrepancies were identified

Comments - The analyses of environmental samples and quality control samples are valid The NAS Fort Worth JRB 2000 Basewide Quality Assurance Project Plan, March 2000, data validation criteria were used in evaluating the data in this summary report

Data Validation Summary Table - The following table summarizes all qualifications as described in this data validation summary report

Qualification Summary Table - Volatiles SDG 9A04G023					
Sample No	Compound(s)	Reported		Validated	
		Conc	Qualifier	Conc	Qualifier
None Qualified	--	--	--	--	--

received

ENVIRONMENTAL
Data Services, Inc.

SEMIVOLATILE ORGANIC COMPOUNDS

USEPA SW846 Method 8270C - Level III Review

Site: Naval Air Station Fort Worth - DO15 SDG #: 9A04G023

Client HydroGeoLogic, Inc Date: June 16, 2000

Laboratory: Severn Trent Laboratories, Chicago, IL Reviewer: Cathy Shelby

Client Sample ID	Laboratory Sample ID	Matrix
BHGLSWMU1200502	9A04G023-003	Soil
BHGLSWMU1200501	9A04G023-004	Soil

Holding Times - All samples were extracted within 14 days for soil samples and analyzed within 40 days as specified in the NAS Fort Worth JRB 2000 Basewide Quality Assurance Project Plan (QAPP), March 2000. No qualifications were required.

GC/MS Tuning - All of the DFTPP tunes in the initial and continuing calibrations met the percent relative abundance criteria. No qualifications were required.

Initial Calibration - The initial calibration analyzed on 03/27/00 exhibited acceptable %RSD values and/or correlation coefficients and mean RRF values. No qualifications were required

Continuing Calibration - The continuing calibration analyzed on 05/05/00 exhibited acceptable %D and RRF values No qualifications were required.

Surrogates - All samples exhibited acceptable surrogate %R values No qualifications were required

Laboratory Control Samples - LCS sample SBLKQK-BS exhibited acceptable %R values. No qualifications were required

MS/MSD - A MS/MSD sample was not analyzed with this data package.

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria. No qualifications were required.

Method Blank - Method blank SBLKQK (05/04/00) was free of contamination No qualifications were required.

Trip, field, equipment blank - Equipment blank EB042800 (from SDG 9A04G032) was free of contamination No qualifications were required.

Field Duplicates - Field duplicate samples were not analyzed with this data package.

Tentatively Identified Compounds - TICs were not reported with the samples in this data package

Compound Quantitation - No discrepancies were identified.

Comments - The analyses of environmental samples and quality control samples are valid. The NAS Fort Worth JRB 2000 Basewide Quality Assurance Project Plan, March 2000, data validation criteria were used in evaluating the data in this summary report.

Data Validation Summary Table - The following table summarizes all qualifications as described in this data validation summary report.

Qualification Summary Table - Volatiles SDG 9A04G023					
Sample No	Compound(s)	Reported		Validated	
		Conc.	Qualifier	Conc	Qualifier
None Qualified	--	--	--	--	--

received

ENVIRONMENTAL
Data Services, Inc.

METALS (As, Cr, Cd, Pb)
USEPA SW846 Methods 6010B, 7421 - Level III Review

Site: Naval Air Station Fort Worth - DO15 SDG #: 9A04G023

Client: HydroGeoLogic, Inc. Date: June 16, 2000

Laboratory: Severn Trent Laboratories, Chicago, IL Reviewer: Cathy Shelby

Client Sample ID	Laboratory Sample ID	Matrix
BHGLSWMU3600602	9A04G023-001	Soil
BHGLSWMU3600502	9A04G023-002	Soil
BHGLSWMU1200501	9A04G023-004	Soil
BHGLSWMU1200703	9A04G023-005	Soil
BHGLSWMU1200701	9A04G023-006	Soil
BHGLSWMU1200603	9A04G023-007	Soil
DUP04	9A04G023-008	Soil
BHGLSWMU1200601	9A04G023-009	Soil

Holding Times - All samples were extracted and analyzed within the recommended holding time of 180 days for all metals as specified in the NAS Fort Worth JRB Basewide Quality Assurance Project Plan (QAPP), March 2000. No qualifications were required.

Calibration - All initial and continuing calibration verifications exhibited acceptable %R values. No qualifications were required.

Method Blanks - The preparation blank PBS, initial and continuing calibration blanks exhibited arsenic contamination at 4.7 ug/L, however, all associated arsenic results are greater than 5X the blank concentration and no qualifications were required

The preparation blank PBS, initial and calibration blanks exhibited negative blank contamination for cadmium, chromium and lead at -0.5 ug/L, -1.0 ug/L and -1.8 ug/L, respectively. Cadmium has been qualified (UJ) in sample BHGLSWMU1200501. All other associated results are less than the PQL or greater than 5X the blank concentration and no further qualifications were required

Field and equipment blank - Equipment blank EB042800 (from SDG 9A04G032) was free of contamination. No qualifications were required

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ICP Interference Check Sample - All % recovery values met the QC acceptance criteria. No qualifications were required.

LCS - The LCS sample exhibited acceptable %R values. No qualifications were required.

ICP Serial Dilution - An ICP serial dilution sample was not analyzed with this data package.

Matrix Spike/Duplicate - A matrix spike/duplicate sample was not analyzed with this data package.

Field Duplicates - Field duplicate results are summarized in the table below. No qualifications were required.

Compound	BHGLSWMU1200601 ug/L	DUP04 ug/L	RPD of Difference
Cadmium	0 24	0 70	0 46
Lead	11 3	9 6	1 7

Graphite Furnace Atomic Absorption (GFAA) Analysis - No discrepancies were identified.

Compound Quantitation - All results between the MDL and the PQL have been qualified (F)

Comments - The analyses of environmental samples and quality control samples are valid within the constraints identified with the data quality flags as presented in the method blank and compound quantitation sections of this report The NAS Fort Worth JRB 2000 Basewide Quality Assurance Project Plan, March 2000, data validation criteria were used in evaluating the data in this summary report.

Data Validation Summary Table - The following table summarizes all qualifications as described in this data validation summary report

Qualification Summary Table - Metals SDG 9A04G023					
Sample No	Compound(s)	Reported		Validated	
		Conc	Qualifier	Conc	Qualifier
BHGLSWMU3600602	Lead	12 0	B	12 0	F
BHGLSWMU3600502	Lead	11 7	B	11.7	F

Qualification Summary Table - Metals SDG 9A04G023					
Sample No	Compound(s)	Reported		Validated	
		Conc	Qualifier	Conc	Qualifier
BHGLSWMU1200501	Cadmium	0 4	U	0 4	UJ
	Lead	5 4	B	5 4	F
BHGLSWMU1200703	Arsenic	8 4	B	8 4	F
BHGLSWMU1200701	Cadmium	0 08	B	0 08	F
	Lead	4 5	B	4 5	F
BHGLSWMU1200603	Arsenic	6 8	B	6 8	F
DUP04	Cadmium	0 70	B	0 70	F
	Lead	9 6	B	9 6	F
BHGLSWMU1200601	Cadmium	0 24	B	0 24	F
	Lead	11 3	B	11 3	F

received

ENVIRONMENTAL
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SPLP VOLATILE ORGANIC COMPOUNDS (VINYL CHLORIDE & BENZENE)

USEPA SW846 Method 8260B - Level III Review

Site: Naval Air Station Fort Worth - DO15 SDG #: 9A04G025

Client: HydroGeoLogic, Inc. Date: June 17, 2000

Laboratory: Severn Trent Laboratories, Chicago, IL Reviewer: Cathy Shelby

Client Sample ID	Laboratory Sample ID	Matrix
BHGLSWMU1200703	9A04G025-002	Water
BHGLSWMU1200603	9A04G025-004	Water

Holding Times - All samples were extracted within 14 days and analyzed within 14 days of extraction as specified in the NAS Fort Worth JRB 2000 Basewide Quality Assurance Project Plan (QAPP), March 2000. No qualifications were required

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria. No qualifications were required.

Initial Calibration - The initial calibration analyzed on 04/16/00 exhibited acceptable %RSD values and/or correlation coefficients and mean RRF values. No qualifications were required

Continuing Calibration - The continuing calibration analyzed on 05/10/00 exhibited acceptable % D values. No qualifications were required

Surrogates - All samples exhibited acceptable surrogate %R values. No qualifications were required

Laboratory Control Samples - LCS sample VBLKYF exhibited acceptable %R values No qualifications were required

MS/MSD - A MS/MSD sample was not analyzed with this data package

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Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria. No qualifications were required

Method Blank - Method blank VBLKYF (05/10/00) was free of contamination. No qualifications were required

Trip, field, equipment blank - Trip blank TB042800 (from SDG 9A04G032) was free of contamination. No qualifications were required.

Equipment blank EB042800 (from SDG 9A04G032) was free of contamination No qualifications were required

Field Duplicates - Field duplicate samples were not analyzed with this data package

Tentatively Identified Compounds - TICs were not reported with the samples in this data package.

Compound Quantitation - No discrepancies were identified

Comments - The analyses of environmental samples and quality control samples are valid. The NAS Fort Worth JRB 2000 Basewide Quality Assurance Project Plan, March 2000, data validation criteria were used in evaluating the data in this summary report.

Data Validation Summary Table - The following table summarizes all qualifications as described in this data validation summary report

Qualification Summary Table - SPLP Volatiles SDG 9A04G025					
Sample No	Compound(s)	Reported		Validated	
		Conc	Qualifier	Conc	Qualifier
None Qualified	--	--	--	--	--

733 398
received

ENVIRONMENTAL
Data Services, Inc.

SPLP VOLATILE ORGANIC COMPOUNDS (BENZENE)

USEPA SW846 Method 8260B - Level III Review

Site: Naval Air Station Fort Worth - DO15 SDG #: 9A04G027

Client: HydroGeoLogic, Inc Date: June 17, 2000

Laboratory: Severn Trent Laboratories, Chicago, IL Reviewer: Cathy Shelby

Client Sample ID	Laboratory Sample ID	Matrix
BHGLSWMU1200403	9A04G027-002	Water
BHGLSWMU1200403MS	9A04G027-002MS	Water
BHGLSWMU1200403MSD	9A04G027-002MSD	Water
BHGLSWMU1200602	9A04G027-004	Water
BHGLSWMU1200702	9A04G027-006	Water
BHGLSWMU1200402	9A04G027-008	Water

Holding Times - All samples were extracted within 14 days and analyzed within 14 days of extraction as specified in the NAS Fort Worth JRB 2000 Basewide Quality Assurance Project Plan (QAPP), March 2000 No qualifications were required.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria No qualifications were required

Initial Calibration - The initial calibrations analyzed 04/16/00-05/01/00 exhibited acceptable %RSD values and/or correlation coefficients and mean RRF values. No qualifications were required.

Continuing Calibration - The continuing calibrations analyzed on 05/11/00 exhibited acceptable % D values No qualifications were required.

Surrogates - All samples exhibited acceptable surrogate %R values No qualifications were required.

Laboratory Control Samples - LCS sample VBLKYK exhibited acceptable %R values. No qualifications were required.

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MS/MSD - MS/MSD sample BHGLSWMU1200403 exhibited a high %R value for benzene of 126%, however, benzene is non-detect in this sample and no qualifications were required.

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria No qualifications were required.

Method Blank - Method blank VBLKYK (05/11/00) was free of contamination. No qualifications were required

Trip, field, equipment blank - Trip blank TB042800 (from SDG 9A04G032) was free of contamination No qualifications were required

Equipment blank EB042800 (from SDG 9A04G032) was free of contamination. No qualifications were required

Field Duplicates - Field duplicate samples were not analyzed with this data package.

Tentatively Identified Compounds - TICs were not reported with the samples in this data package.

Compound Quantitation - No discrepancies were identified.

Comments - The analyses of environmental samples and quality control samples are valid The NAS Fort Worth JRB 2000 Basewide Quality Assurance Project Plan, March 2000, data validation criteria were used in evaluating the data in this summary report.

Data Validation Summary Table - The following table summarizes all qualifications as described in this data validation summary report

Qualification Summary Table - SPLP Volatiles SDG. 9A04G027					
Sample No	Compound(s)	Reported		Validated	
		Conc	Qualifier	Conc	Qualifier
None Qualified	--	--	--	--	--

received

ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS (TETRACHLOROETHENE)

USEPA SW846 Method 8260B - Level III Review

Site: Naval Air Station Fort Worth - DO15 SDG #: 9A04G030

Client: HydroGeoLogic, Inc. Date: June 17, 2000

Laboratory: Severn Trent Laboratories, Chicago, IL Reviewer Cathy Shelby

Client Sample ID	Laboratory Sample ID	Matrix
BHGLSWMU6100601	9A04G030-001	Soil
BHGLSWMU6100602	9A04G030-002	Soil
BHGLSWMU6100701	9A04G030-003	Soil
BHGLSWMU6100702	9A04G030-004	Soil
BHGLSWMU6100801	9A04G030-005	Soil
BHGLSWMU6100801MS	9A04G030-005MS	Soil
BHGLSWMU6100801MSD	9A04G030-005MSD	Soil
BHGLSWMU6100802	9A04G030-006	Soil
BHGLSWMU6100901	9A04G030-007	Soil
BHGLSWMU6100902	9A04G030-008	Soil
DUP07	9A04G030-009	Soil
BHGLSWMU6101001	9A04G030-010	Soil
BHGLSWMU6101002	9A04G030-011	Soil
BHGLSWMU6101101	9A04G030-012	Soil
BHGLSWMU6101102	9A04G030-013	Soil

Holding Times - All samples were analyzed within the recommended holding time of 14 days for soil samples as specified in the NAS Fort Worth JRB 2000 Basewide Quality Assurance Project Plan (QAPP), March 2000. No qualifications were required.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria No qualifications were required.

Initial Calibration - The initial calibration analyzed 03/27/00 exhibited acceptable %RSD values and/or correlation coefficients and mean RRF values No qualifications were required.

Continuing Calibration - The continuing calibrations analyzed on 05/10 00 and 05/11/00 exhibited acceptable %D and RRF values. No qualifications were required.

Surrogates - All samples exhibited acceptable surrogate %R values No qualifications were required.

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Laboratory Control Samples - LCS samples VBLKNO, VBLKOB and VBLKLI exhibited acceptable %R values. No qualifications were required

MS/MSD - MS/MSD sample BHGLSWMU6100801 exhibited acceptable %R and RPD values. No qualifications were required.

Internal Standard (IS) Area Performance - Samples BHGLSWMU6100901, BHGLSWMU6101101 and BHGLSWMU6101102 exhibited low area counts for IS4-1,4-dichlorobenzene-d4. However, the reported compound is not associated with this internal standard and no qualifications were required.

Method Blank - Method blanks VBLKNO (05/10/00), VBLKLI (05/10/00) and VBLKOB (05/11/00) were free of contamination No qualifications were required.

Trip, field, equipment blank - Trip blank TB042800 (from SDG 9A04G032) was free of contamination. No qualifications were required.

Equipment blank EB042800 (from SDG 9A04G032) was free of contamination. No qualifications were required.

Field Duplicates - Field duplicate results for samples BHGLSWMU6100902 and DUP07 are non-detect. No qualifications were required

Tentatively Identified Compounds - TICs were not analyzed with this data package.

Compound Quantitation - All results between the MDL and PQL have been qualified (F)

Comments - The analyses of environmental samples and quality control samples are valid within the constraints identified with the data quality flags as presented in the compound quantitation section of this report. The NAS Fort Worth JRB 2000 Basewide Quality Assurance Project Plan, March 2000, data validation criteria were used in evaluating the data in this summary report

Data Validation Summary Table - The following table summarizes all qualifications as described in this data validation summary report.

Qualification Summary Table - Volatiles SDG 9A04G030					
Sample No	Compound(s)	Reported		Validated	
		Conc	Qualifier	Conc	Qualifier
BHGLSWMU6100602	Tetrachloroethene	4	J	4	F
BHGLSWMU6100802	Tetrachloroethene	5	J	5	F

Received

ENVIRONMENTAL
Data Services, Inc.

SPLP VOLATILE ORGANIC COMPOUNDS (TETRACHLOROETHENE)

USEPA SW846 Method 8260B - Level III Review

Site: Naval Air Station Fort Worth - DO15 SDG #: 9A04G031

Client: HydroGeoLogic, Inc. Date: June 17, 2000

Laboratory: Severn Trent Laboratories, Chicago, IL Reviewer: Cathy Shelby

Client Sample ID	Laboratory Sample ID	Matrix
BHGLSWMU6100601	9A04G031-002	Water
BHGLSWMU6100602	9A04G031-004	Water
BHGLSWMU6100701	9A04G031-006	Water
BHGLSWMU6100702	9A04G031-008	Water
BHGLSWMU6100801	9A04G031-010	Water
BHGLSWMU6100802	9A04G031-012	Water
BHGLSWMU6100901	9A04G031-014	Water
BHGLSWMU6100902	9A04G031-016	Water
DUP07	9A04G031-018	Water
BHGLSWMU6101001	9A04G031-020	Water
BHGLSWMU6101002	9A04G031-022	Water
BHGLSWMU6101101	9A04G031-024	Water
BHGLSWMU6101102	9A04G031-026	Water

Holding Times - All samples were extracted within 14 days and analyzed within 14 days of extraction as specified in the NAS Fort Worth JRB 2000 Basewide Quality Assurance Project Plan (QAPP), March 2000. No qualifications were required.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria No qualifications were required.

Initial Calibration - The initial calibration analyzed 04/16/00 exhibited acceptable %RSD values and/or correlation coefficients and mean RRF values. No qualifications were required

Continuing Calibration - The continuing calibrations analyzed on 05/10/00 exhibited acceptable % D values No qualifications were required

Surrogates - All samples exhibited acceptable surrogate %R values. No qualifications were required.

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Laboratory Control Samples - LCS samples VBLKXQ and VBLKYF exhibited acceptable %R values. No qualifications were required.

MS/MSD - A MS/MSD sample was not analyzed with this data package.

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria No qualifications were required

Method Blank - Method blanks VBLKYF (05/10/00), VBLKNL (05/10/00) and VBLKXQ (05/10/00) were free of contamination. No qualifications were required.

Trip, field, equipment blank - Trip blank TB042800 (from SDG 9A04G032) was free of contamination. No qualifications were required

Equipment blank EB042800 (from SDG 9A04G032) was free of contamination. No qualifications were required

Field Duplicates - Field duplicate results for samples BHGLSWMU6100902 and DUP07 are non-detect No qualifications were required

Tentatively Identified Compounds - TICs were not reported with this data package.

Compound Quantitation - All results between the MDL and the PQL have been qualified (F)

Comments - The analyses of environmental samples and quality control samples are valid within the constraints identified with the data quality flags as presented in the compound quantitation section of this report. The NAS Fort Worth JRB 2000 Basewide Quality Assurance Project Plan, March 2000, data validation criteria were used in evaluating the data in this summary report

Data Validation Summary Table - The following table summarizes all qualifications as described in this data validation summary report.

Qualification Summary Table - SPLP Volatiles SDG 9A04G031					
Sample No.	Compound(s)	Reported		Validated	
		Conc	Qualifier	Conc	Qualifier
BHGLSWMU6100601	Tetrachloroethene	1	J	~~1~~ 5	~~J~~ U
BHGLSWMU6100701	Tetrachloroethene	1	J	~~1~~ 5	~~J~~ U

pa 1 of 5

ENVIRONMENTAL
Data Services, Inc.

METALS (As, Ba, Cd, Pb)
USEPA SW846 Method 6010B & 7421 - Level III Review

Site: Naval Air Station Fort Worth - DO15BBC SDG #: 9A05G295

Client: HydroGeoLogic, Inc. Date: June 20, 2000

Laboratory: Severn Trent Laboratories, Chicago, IL Reviewer Cathy Shelby

Client Sample ID	Laboratory Sample ID	Matrix
WHGLTA029-04	9A05G295-003	Soil
DUP01	9A05G295-004	Soil
WHGLTA028-01	9A05G295-005	Soil

Holding Times - All samples were extracted and analyzed within 180 days for metals as specified in the NAS Fort Worth JRB Basewide Quality Assurance Project Plan (QAPP), March 2000. No qualifications were required

Calibration - All initial and continuing calibration verifications exhibited acceptable %R values. No qualifications were required.

Method Blanks - The soil preparation blank PBS, initial and calibration blanks were free of contamination. No qualifications were required.

The soil preparation blank PBS, initial and calibration blanks exhibited negative blank contamination for arsenic and lead at -0 770 mg/kg and -0.19 mg/kg, respectively. However, all associated results are less than the PQL or greater than 5X the blank contamination and no qualifications were required.

Field and equipment blank - Equipment blank EB051600 (from SDG 9A05G294) was free of contamination No qualifications were required.

ICP Interference Check Sample - All % recovery values met the QC acceptance criteria No qualifications were required.

LCS - The LCS sample exhibited acceptable %R values. No qualifications were required

ICP Serial Dilution - ICP serial dilution sample was not analyzed with this data package.

Matrix Spike/Duplicate - A matrix spike/duplicate sample was not analyzed with this data package

Field Duplicates - Field duplicate results are summarized below. No qualifications are made based on field duplicate results.

Analyte	WHGLTA029-04	DUP01	RPD or Difference
Arsenic	2 4	2 2	0 2
Barium	25 2	28 5	3 3

Graphite Furnace Atomic Absorption (GFAA) Analysis - No discrepancies were identified

Compound Quantitation - All results between the MDL and the PQL have been qualified (F)

Comments - The analyses of environmental samples and quality control samples are valid within the constraints identified with the data quality flags as presented in the compound quantitation section of this report. The NAS Fort Worth JRB 2000 Basewide Quality Assurance Project Plan, March 2000, data validation criteria were used in evaluating the data in this summary report

Data Validation Summary Table - The following table summarizes all qualifications as described in this data validation summary report

Qualification Summary Table - Metals SDG 9A05G295					
Sample No	Compound(s)	Reported		Validated	
		Conc	Qualifier	Conc	Qualifier
WHGLTA029-04	Arsenic	2 4	B	2 4	F
	Barium	25 2	B	25 2	F
DUP01	Arsenic	2 2	B	2 2	F
	Barium	28 5	B	28 5	F

Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS (TETRACHLOROETHENE)

USEPA SW846 Method 8260B - Level III Review

Site Naval Air Station Fort Worth - DO15BBC SDG #: 9A05G295

Client: HydroGeoLogic, Inc. Date: June 20, 2000

Laboratory: Severn Trent Laboratories, Chicago, IL Reviewer: Cathy Shelby

Client Sample ID	Laboratory Sample ID	Matrix
WHGLTA035-02	9A05G295-001	Soil
WHGLTA035-01	9A05G295-002	Soil

Holding Times - All samples were analyzed within 14 days for soil samples as specified in the NAS Fort Worth JRB 2000 Basewide Quality Assurance Project Plan (QAPP). March 2000. No qualifications were required.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria No qualifications were required.

Initial Calibration - The initial calibration analyzed on 04/30/00 exhibited acceptable %RSD values and/or correlation coefficients and mean RRF values. No qualifications were required.

Continuing Calibration - The continuing calibration analyzed on 05/24/00 exhibited acceptable %D and RRF values. No qualifications were required

Surrogates - All samples exhibited acceptable surrogate %R values No qualifications were required

Laboratory Control Samples - LCS sample VBLKBS exhibited acceptable %R values. No qualifications were required

MS/MSD - A MS/MSD sample was not analyzed with this data package.

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Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria. No qualifications were required.

Method Blank - Method blank VBLKBS (05/24/00) was free of contamination. No qualifications were required.

Trip, field, equipment blank - Trip blank TB051600 (from SDG 9A05G294) was free of contamination No qualifications were required.

Equipment blank EB051600 (from SDG 9A05G294) was free of contamination. No qualifications were required.

Field Duplicates - Field duplicate samples were not analyzed with this data package

Tentatively Identified Compounds - TICs were not reported with the samples in this data package.

Compound Quantitation - No discrepancies were identified

Comments - The analyses of environmental samples and quality control samples are valid. The NAS Basewide Quality Assurance Project Plan, March 2000, data validation criteria were used in evaluating the data in this summary report

Data Validation Summary Table - The following table summarizes all qualifications as described in this data validation summary report

Qualification Summary Table - Volatiles SDG 9A05G295					
Sample No	Compound(s)	Reported		Validated	
		Conc	Qualifier	Conc	Qualifier
None Qualified	--	--	--	--	--

7-21-00

Data Services, Inc.

SPLP VOLATILE ORGANIC COMPOUNDS (TETRACHLOROETHENE)

USEPA SW846 Method 8260B - Level III Review

Site: Naval Air Station Fort Worth - DO15BBC SDG #: 9A05G296

Client: HydroGeoLogic, Inc Date: June 29, 2000

Laboratory: Severn Trent Laboratories, Chicago, IL Reviewer Cathy Shelby

Client Sample ID	Laboratory Sample ID	Matrix
WHGLTA035-02	9A05G296-002	Water
WHGLTA035-02MS	9A05G296-002MS	Water
WHGLTA035-01	9A05G296-004	Water

Holding Times - All samples were SPLP extracted within 14 days and analyzed within 14 days of extraction as specified in the NAS Fort Worth JRB 2000 Basewide Quality Assurance Project Plan (QAPP), March 2000. No qualifications were required

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria. No qualifications were required.

Initial Calibration - The initial calibration analyzed on 04/16/00 exhibited acceptable %RSD values and/or correlation coefficients and mean RRF values No qualifications were required

Continuing Calibration - The continuing calibrations analyzed on 05/23/00 exhibited acceptable %D and RRF values. No qualifications were required.

Surrogates - All samples exhibited acceptable surrogate %R values. No qualifications were required.

Laboratory Control Samples - LCS sample VBLKX2 exhibited acceptable %R values No qualifications were required

MS/MSD - MS sample WHGLTA035-02 exhibited acceptable %R and RPD values No qualifications were required.

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Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria. No qualifications were required.

Method Blank - Method blanks VBLKID (05/23/00) and VBLKX2 (05/23/00) were free of contamination. No qualifications were required

Trip, field, equipment blank - Trip blank TB051600 (from SDG 9A05G294) was free of contamination No qualifications were required

Equipment blank EB051600 (from SDG 9A05G294) was free of contamination. No qualifications were required.

Field Duplicates - Field duplicate samples were not analyzed with this data package.

Tentatively Identified Compounds - TICs were not reported with the samples in this data package

Compound Quantitation - No discrepancies were identified.

Comments - The analyses of environmental samples and quality control samples are valid The NAS Basewide Quality Assurance Project Plan, March 2000, data validation criteria were used in evaluating the data in this summary report.

Data Validation Summary Table - The following table summarizes all qualifications as described in this data validation summary report.

Qualification Summary Table - SPLP Volatiles SDG 9A05G296					
Sample No	Compound(s)	Reported		Validated	
		Conc	Qualifier	Conc	Qualifier
None Qualified	--	--	--	--	--

Received

ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS (TETRACHLOROETHENE)

USEPA SW846 Method 8260B - Level III Review

Site. Naval Air Station Fort Worth - DO15BBC SDG # 9A05G335

Client HydroGeoLogic, Inc Date June 20, 2000

Laboratory. Severn Trent Laboratories. Chicago, IL Reviewer: Cathy Shelby

Client Sample ID	Laboratory Sample ID	Matrix
WHGLTA034-01	9A05G335-001	Soil
WHGLTA034-02	9A05G335-002	Soil
DUP03	9A05G335-003	Soil

Holding Times - All samples were analyzed within 14 days for soil samples as specified in the NAS Fort Worth JRB 2000 Basewide Quality Assurance Project Plan (QAPP), March 2000. No qualifications were required

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria. No qualifications were required.

Initial Calibration - The initial calibration analyzed on 03/27/00 exhibited acceptable %RSD values and/or correlation coefficients and mean RRF values. No qualifications were required.

Continuing Calibration - The continuing calibration analyzed on 05/31/00 exhibited acceptable %D and RRF values. No qualifications were required.

Surrogates - All samples exhibited acceptable surrogate %R values. No qualifications were required.

Laboratory Control Samples - LCS sample VBLKIS exhibited acceptable %R values. No qualifications were required

MS/MSD - A MS/MSD sample was not analyzed with this data package.

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Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria No qualifications were required.

Method Blank - Method blank VBLKIS (05/31/00) was free of contamination. No qualifications were required.

Trip, field, equipment blank - Trip blank TB051700 (from SDG 9A05G332) was free of contamination. No qualifications were required.

Equipment blank EB051700 (from SDG 9A05G332) was free of contamination. No qualifications were required

Field Duplicates - Field duplicate results for samples WHGLTA034-01 and DUP03 are non-detect. No qualifications were required

Tentatively Identified Compounds - TICs were not reported with the samples in this data package

Compound Quantitation - No discrepancies were identified

Comments - The analyses of environmental samples and quality control samples are valid. The NAS Basewide Quality Assurance Project Plan, March 2000, data validation criteria were used in evaluating the data in this summary report.

Data Validation Summary Table - The following table summarizes all qualifications as described in this data validation summary report

Qualification Summary Table - Volatiles SDG 9A05G335					
Sample No	Compound(s)	Reported		Validated	
		Conc	Qualifier	Conc	Qualifier
None Qualified	--	--	--	--	--

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Data Services, Inc.

SPLP VOLATILE ORGANIC COMPOUNDS (TETRACHLOROETHENE)

USEPA SW846 Method 8260B - Level III Review

Site: Naval Air Station Fort Worth - DO15BBC SDG #: 9A05G336

Client: HydroGeoLogic, Inc. Date: June 20, 2000

Laboratory: Severn Trent Laboratories, Chicago, IL Reviewer: Cathy Shelby

Client Sample ID	Laboratory Sample ID	Matrix
WHGLTA034-01	9A05G336-002	Water
WHGLTA034-02	9A05G336-004	Water

Holding Times - All samples were extracted within 14 days and analyzed within 14 days of extraction as specified in the NAS Fort Worth JRB 2000 Basewide Quality Assurance Project Plan (QAPP), March 2000. No qualifications were required.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria. No qualifications were required

Initial Calibration - The initial calibration analyzed on 05/29/00 exhibited acceptable %RSD values and/or correlation coefficients and mean RRF values. No qualifications were required.

Continuing Calibration - The continuing calibration analyzed on 06/02/00 exhibited acceptable %D and RRF values No qualifications were required.

Surrogates - All samples exhibited acceptable surrogate %R values No qualifications were required.

Laboratory Control Samples - LCS sample VBLKFG exhibited acceptable %R values. No qualifications were required.

MS/MSD - A MS/MSD sample was not analyzed with this data package.

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Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria No qualifications were required

Method Blank - Method blanks VBLKFG (06/02/00) and VBLKJM (06/03/00) were free of contamination. No qualifications were required.

Trip, field, equipment blank - Trip blank TB051700 (from SDG 9A05G332) was free of contamination No qualifications were required.

Equipment blank EB051700 (from SDG 9A05G332) was free of contamination. No qualifications were required.

Field Duplicates - Field duplicate samples were not analyzed with this data package.

Tentatively Identified Compounds - TICs were not reported with the samples in this data package

Compound Quantitation - No discrepancies were identified.

Comments - The analyses of environmental samples and quality control samples are valid. The NAS Basewide Quality Assurance Project Plan, March 2000, data validation criteria were used in evaluating the data in this summary report.

Data Validation Summary Table - The following table summarizes all qualifications as described in this data validation summary report.

Qualification Summary Table - SPLP Volatiles SDG 9A05G336					
Sample No	Compound(s)	Reported		Validated	
		Conc	Qualifier	Conc	Qualifier
None Qualified	--	--	--	--	--

733 416
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7-21-00

ENVIRONMENTAL
Data Services, Inc.

METALS (As, Ba, Co, Pb)
USEPA SW846 Method 6010B/7000 - Level III Review

Site Naval Air Station Fort Worth - DO15BBH SDG #: 9A06G590

Client HydroGeoLogic, Inc Date: July 15, 2000

Laboratory: Severn Trent Laboratories, Chicago, IL Reviewer Tara Lambert

Client Sample ID	Laboratory Sample ID	Matrix
LSA1628-3WG01	9A06G590-001	Water

Holding Times - All samples were extracted and analyzed within 180 days for metals as specified in the NAS Fort Worth JRB Basewide Quality Assurance Project Plan (QAPP), March 2000. No qualifications were required.

Calibration - All initial and continuing calibration verifications exhibited acceptable %R values No qualifications were required.

Method Blanks - The water preparation blank PBW, initial and calibration blanks were free of contamination. No qualifications were required

Field and equipment blank - Field QC samples were not analyzed with this data package

ICP Interference Check Sample - All % recovery values met the QC acceptable criteria No qualifications were required

LCS - The LCS sample exhibited acceptable %R values. No qualifications were required

ICP Serial Dilution - An ICP serial dilution sample was not analyzed with this data package

Matrix Spike/Duplicate - A matrix spike/duplicate sample was not analyzed with this data package

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Field Duplicates - Field duplicate samples were not analyzed with this data package

Graphite Furnace Atomic Absorption (GFAA) Analysis - No discrepancies were identified.

Compound Quantitation - All results between the MDL and PQL have been qualified (F)

Comments - The analyses of environmental samples and quality control samples are valid within the constraints identified with the data quality flags as presented in the compound quantitation section of this report with the exception of lead which was rejected in four samples due to the negative blank contamination. The NAS Fort Worth JRB 2000 Basewide Quality Assurance Project Plan, March 2000. data validation criteria were used in evaluating the data in this summary report.

Data Validation Summary Table - The following table summarizes all qualifications as described in this data validation summary report.

Qualification Summary Table - Metals SDG 9A06G590					
Sample No	Compound(s)	Reported		Validated	
		Conc	Qualifier	Conc	Qualifier
LSA1628-3WG01	Barium	120	B	120	F

ENVIRONMENTAL
Data Services, Inc.

8-8-00

VOLATILE ORGANIC COMPOUNDS
(TRICHLOROETHENE, TETRACHLOROETHENE)

USEPA SW846 Method 8260B - Level III Review

Site. Naval Air Station Fort Worth - DO15BBH SDG #. 9A06G576

Client HydroGeoLogic, Inc Date: July 25, 2000

Laboratory: Severn Trent Laboratories, Chicago, IL Reviewer. Cathy Shelby

Client Sample ID	Laboratory Sample ID	Matrix
WHGLTA035WG01	9A06G576-001	Water
WHGLTA034WG01	9A06G576-002	Water

Holding Times - All samples were analyzed within the recommended holding time of 14 days for preserved water samples as specified in the NAS Fort Worth JRB 2000 Basewide Quality Assurance Project Plan (QAPP), March 2000. No qualifications were required

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria. No qualifications were required

Initial Calibration - The initial calibration analyzed on 06/06/00 exhibited acceptable %RSD values and/or correlation coefficients and mean RRF values. No qualifications were required

Continuing Calibration - The continuing calibration analyzed on 06/09/00 exhibited acceptable %D and RRF values No qualifications were required

Surrogates - All samples exhibited acceptable surrogate %R values. No qualifications were required

Laboratory Control Samples - LCS sample VBLKEF exhibited acceptable %R values for the reported compounds. No qualifications were required

MS/MSD - A MS/MSD sample was not analyzed with this data package.

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Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria. No qualifications were required.

Method Blank - Method blank VBLKEF (06/09/00) was free of contamination. No qualifications were required.

Trip, field, equipment blank - Trip blank TB060100 (from SDG 9A06G577) was free of contamination No qualifications were required.

Equipment blank EB060100 (from SDG 9A06G577) was free of contamination. No qualifications were required

Field Duplicates - Field duplicate samples were not analyzed with this data package.

Tentatively Identified Compounds - TICs were not reported with this data package.

Compound Quantitation - No discrepancies were identified

Comments - The analyses of environmental samples and quality control samples are valid. The NAS Fort Worth JRB 2000 Basewide Quality Assurance Project Plan, March 2000, data validation criteria were used in evaluating the data in this summary report

Data Validation Summary Table - The following table summarizes all qualifications as described in this data validation summary report.

Qualification Summary Table - Volatiles SDG 9A06G576					
Sample No	Compound(s)	Reported		Validated	
		Conc	Qualifier	Conc	Qualifier
None Qualified	--	--	--	--	--

VALIDATION REPORT FOR NAS-FT WORTH

METHOD 8260B/VOLATILES LOT#204169/STL-CHICAGO

QC CRITERIA	PRESENT	ACCEPTABLE	COMMENTS
Method Blank	<DL	Y	
LCS	89 & 97%	Y	
Surrogate Spike	Y	Y	
MS/MSD	105 & 108%	Y	
	107 & 109%	Y	
Results MDL/RL	Y	Y	Results quaified with F flag
5 Point Calibration	Y	Y	
2nd Source Cal. Verif	Y	Y	
Calibration Verification	Y	Y	
BFB Tuning	Y	Y	
Internal Standard	Y	Y	
Initial Calibration	Y	Y	
Chain of Custody	Y	Y	
Holding Time	Y	Y	

All QC Criteria were met for this SDG and data are considered acceptable

Reviewed By

Karen Hatfield

Karen Hatfield
Project Chemist, Ellis Env Grp

SEVERN TRENT SERVICES

SAMPLE INFORMATION

Date: 07/31/2001

Job Number.: 204169
Customer...: Ellis Environmental Group, LC
Attn.....: Rich Wheeler

Project Number.....: 20001239
Customer Project ID....: EEG001-018064
Project Description....: NAS Ft. Worth

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
204169-1	TB062701	Water	06/27/2001	08:00	06/28/2001	09:45
204169-2	EB062701	Water	06/27/2001	19:25	06/28/2001	09:45
204169-3	SD13-05	Water	06/27/2001	15:35	06/28/2001	09:45
204169-4	WITCTA034	Water	06/27/2001	18:45	06/28/2001	09:45

VALIDATION REPORT FOR NAS-FT. WORTH

METHOD 6010B/ICAP METAL LOT #204197/STL-CHICAGO

QC CRITERIA	PRESENT	ACCEPTABLE	COMMENTS
Chain of Custody	Y	Y	
Holding Time	Y	Y	
Initial Calibration	Y	Y	
Cont. Cal. Blk	<DL	Y	
Initial Cal. Blk	<DL	Y	
Interference Check	102-103%	Y	
LCS	94%	Y	
Dilution	x1	Y	
MS/MSD	N	Y	Done on a sample for another projectin the same batch
MDL	Y	Y	
Method Blank	<DL	Y	
Cont Cal Verif	94-100%	Y	
Initial Cal Verif	100%	Y	

All QC is acceptable, and thus the data are acceptable

Reviewed By

Karen Hatfield

Karen Hatfield
Project Chemist, Ellis Env Grp

SEVERN TRENT SERVICES

733 423

SAMPLE INFORMATION
Date: 07/30/2001

Job Number.: 204197
Customer...: Ellis Environmental Group, LC
Attn.....: Rich Wheeler

Project Number.....: 20001239
Customer Project ID....: BEEG001-018064
Project Description....: NAS Ft. Worth

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
204197-1	LSA1628-2	Water	06/28/2001	12:05	06/29/2001	10:00
204197-2	DUP03	Water	06/28/2001	12:00	06/29/2001	10:00
204197-3	EB062801	Water	06/28/2001	16:15	06/29/2001	10:00

VALIDATION REPORT FOR NAS-FT. WORTH

METHOD TNRCC 1005/TPH LOT #/206098 STL-CHICAGO

QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA
5 Point Calibration	Y	Y	Initial Cal	cc>0.995, %RSD <25% for RFs
RT Window	Y	Y	Initial Cal And CCV	3X SD from 72 hr Study
Initial Cal Verif	Y	Y	Daily, Before Sample	Within 25%
Cont Cal. Verif	Y	Y	Each 10, At End	Within 25%
Method Blk.	Y	Y	One per Batch	None > PQL
LCS	Y	Y	One per Batch	Lab Criteria
MS/MSD	Y	Y	As Req by the FSP	Lab Criteria
Surrogates	Y	Y	Each Sample	Lab Criteria
/RL	N	Y	None	None
Chain of Custody	Y	Y	Each Set of Samples	Complete and Accurate
Holding Time	Y	Y	7d ext/40 days	Within Guidelines

Reviewed By

Karen Hatfield

Karen Hatfield
Project Chemist, Ellis Env, Grp

See attached report page

TNRCC 1005/TPH

TX1005
USEPA Level III Review

Site. Navel Air Station Fort Worth JRB, Texas — SDG # 206098

Laboratory: STL Austin — Date· 02.09.02

HydroGeoLogic, Inc. Reviewer· Kimberly Evers — Project· EEG001-01E065

Client Sample ID	Laboratory Sample ID	Matrix
BEEGSWMU6101	206098-1	Soil
BEEGSWMU61DUP01	206098-2	Soil
BEEGSWMU6102	206098-3	Soil
BEEGSWMU6103	206098-4	Soil
BEEGSWMU6105	206098-5	Soil
EBEEG101601	206098-6	Water

Field Blank· Equipment blank EBEEG101601 is associated with the samples in this SDG The equipment blank was free from contamination and no qualification is necessary

Field Duplicate Sample BEEGSWMU61DUP01 is associated with sample BEEGSWMU6101. All results were below the RL and no qualification is necessary.

Compound Quantitation - No discrepancies were identified. All results reported as non-detects should be U qualified

Comments – Data was validated in accordance with the NAS Fort Worth JRB Basewide Quality Assurance Project Plan, February 1998

733 426
206098
10/24/01

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user

STL Chicago

Lot #: I1J180259 WAAIPA NASFW AFC001-2070 260 Date Reported: 10/24/01

Project Number: HYDOGEOLOGIC

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: BEEGSWMU6101 206098-1					
Sample #: 001 Date Sampled: 10/16/01 11.00 Date Received: 10/18/01 Matrix: SOLID					
Total Petroleum Hydrocarbons					Reviewed
>C12 - C28	ND U	50	mg/kg	TNRCC 1005	
>C28 - C35	ND U	50	mg/kg	TNRCC 1005	
C6 - C12	ND U	50	mg/kg	TNRCC 1005	
C6 - C28	ND U	50	mg/kg	TNRCC 1005	
C6 - C35	ND U	50	mg/kg	TNRCC 1005	
Inorganic Analysis		Soil			In Review
Method for Determination of Water Content of Soil	21.8	0.50	%	ASTM D 2216-90	
Client Sample ID: BEEGSWMU61DUP01 206098-2					
Sample #: 002 Date Sampled: 10/16/01 12.00 Date Received 10/18/01 Matrix: SOLID					
Total Petroleum Hydrocarbons					Reviewed
>C12 - C28	ND U	50	mg/kg	TNRCC 1005	
>C28 - C35	ND U	50	mg/kg	TNRCC 1005	
C6 - C12	ND U	50	mg/kg	TNRCC 1005	
C6 - C28	ND U	50	mg/kg	TNRCC 1005	
C6 - C35	ND U	50	mg/kg	TNRCC 1005	
Inorganic Analysis		Soil			In Review
Method for Determination of Water Content of Soil	18.5	0.50	%	ASTM D 2216-90	
Client Sample ID: BEEGSWMU6102 206098-3					
Sample #: 003 Date Sampled: 10/16/01 13 55 Date Received: 10/18/01 Matrix: SOLID					
Total Petroleum Hydrocarbons					Reviewed
>C12 - C28	ND U	50	mg/kg	TNRCC 1005	
>C28 - C35	ND U	50	mg/kg	TNRCC 1005	
C6 - C12	ND U	50	mg/kg	TNRCC 1005	
C6 - C28	ND U	50	mg/kg	TNRCC 1005	
C6 - C35	ND U	50	mg/kg	TNRCC 1005	

(Continued on next page)

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

STL Chicago

Lot #: I1J180259 WAAIRA NASFW AFC001-2070.260 Date Reported: 10/24/01

Project Number: HYDOGEOLOGIC

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Client Sample ID: BEFGSWMU6102 206098-3				
Sample # 003 Date Sampled. 10/16/01 13:55 Date Received 10/18/01 Matrix SOLID				
Inorganic Analysis		Soil		In Review
Method for Determination of Water Content of Soil	16.6	0.50	%	ASTM D 2216-90
Client Sample ID: BEFGSWMU6103 206098-4				
Sample #: 004 Date Sampled: 10/16/01 14.50 Date Received: 10/18/01 Matrix SOLID				
Total Petroleum Hydrocarbons				Reviewed
>C12 - C28	ND U	50	mg/kg	TNPCC 1005
>C28 - C35	ND U	50	mg/kg	TNPCC 1005
C6 - C12	ND U	50	mg/kg	TNPCC 1005
C6 - C28	ND U	50	mg/kg	TNPCC 1005
C6 - C35	ND U	50	mg/kg	TNPCC 1005
Inorganic Analysis		Soil		In Review
Method for Determination of Water Content of Soil	17.9	0.50	%	ASTM D 2216-90
Client Sample ID: BEFGSWMU6105 206098-5				
Sample # 005 Date Sampled: 10/16/01 15.00 Date Received 10/18/01 Matrix SOLID				
Total Petroleum Hydrocarbons				Reviewed
>C12 - C28	ND U	50	mg/kg	TNPCC 1005
>C28 - C35	ND U	50	mg/kg	TNPCC 1005
C6 - C12	ND U	50	mg/kg	TNPCC 1005
C6 - C28	ND U	50	mg/kg	TNPCC 1005
C6 - C35	ND U	50	mg/kg	TNPCC 1005
Inorganic Analysis		Soil		In Review
Method for Determination of Water Content of Soil	23.1	0.50	%	ASTM D 2216-90

(Continued on next page)

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

STL Chicago

Lot #: I1J180259 WAAIRA NASFW AFC001-2070 260 Date Reported: 10/24/01

Project Number HYDOGEOLOGIC

Client Sample ID: FBFFG101601 206098-6

Sample #. 006 Date Sampled 10/16/01 16:45 Date Received 10/18/01 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	Reviewed
Total Petroleum Hydrocarbons					
C6 - C12	ND	5 0	mg/L	TNRCC 1005	
C6 - C28	ND	5.0	mg/L	TNRCC 1005	
>C12 - C28	ND	5 0	mg/L	TNRCC 1005	
>C28 - C35	ND	5.0	mg/L	TNRCC 1005	
C6 - C35	ND	5.0	mg/L	TNRCC 1005	

VALIDATION REPORT FOR NAS-FT WORTH

METHOD 6010B/ICAP METAL LOT #204149/STL-CHICAGO

QC CRITERIA	PRESENT	ACCEPTABLE	COMMENTS	
Chain of Custody	Y	Y		
Holding Time	Y	Y		
Initial Calibration	Y	Y		
Cont. Cal Blk	<DL	Y		
Initial Cal Blk	<DL	Y		
Interference Check	98-101%	Y		
	104-106%	Y		
LCS	96-102%	Y		
Dilution	x1	Y		
MS/MSD	89-101%	Y		
MDL	Y	Y		
Method Blank	<DL	Y		
Cont Cal Verif	94-100%	Y		
	100-110%	Y		
Initial Cal Verif	97-100%	Y		
	101-107%	Y		

All QC data are acceptableand data are considered acceptable.

Reviewed By

Karen Hatfield

Karen Hatfield
Project Chemist, Ellis Env. Grp

SEVERN TRENT SERVICES

STL Chicago

733 430

SAMPLE INFORMATION

Date: 08/01/2001

Job Number.: 204149
Customer...: Ellis Environmental Group, LC
Attn.....: Rich Wheeler

Project Number.....: 20001239
Customer Project ID....: EEG001-018062
Project Description....: NAS Ft. Worth

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
204149-1	BEEGSWMU05007-02	Soil	06/26/2001	15:25	06/27/2001	09:50
204149-2	BEEGSWMU06005-02	Soil	06/26/2001	14:45	06/27/2001	09:50
204149-3	BEEGSWMU06006-02	Soil	06/26/2001	15:10	06/27/2001	09:50
204149-4	BEEGSWMU12008-02	Soil	06/26/2001	10:10	06/27/2001	09:50
204149-5	BEEGSWMU12009-02	Soil	06/26/2001	10:45	06/27/2001	09:50
204149-6	BEEGSWMU12010-02	Soil	06/26/2001	11:15	06/27/2001	09:50
204149-7	BEEGSWMU12011-02	Soil	06/26/2001	11:50	06/27/2001	09:50
204149-8	BEEGSWMU12011-03	Soil	06/26/2001	12:15	06/27/2001	09:50
204149-9	DUP01	Soil	06/26/2001	12:00	06/27/2001	09:50
204149-10	EB062601	Water	06/26/2001	16:50	06/27/2001	09:50

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VALIDATION REPORT FOR NAS-FT. WORTH

METHOD 8260 B/VOLATILES LOT #204167/STL-CHICAGO

QC CRITERIA	PRESENT	ACCEPTABLE	COMMENTS
Method Blank	<DL	Y	
LCS	100&111%	Y	
Surrogate Spike	Y	Y	
MS/MSD	N	N	See Batch #204169
Results MDL/RL	Y	Y	Results qualified with F flag
5 Point Calibration	Y	Y	
2nd Source Cal. Verif.	Y	Y	
Calibration Verification	Y	Y	
BFB Tuning	Y	Y	
Internal Standard	Y	Y	
Initial Calibration	Y	Y	
Chain of Custody	Y	Y	
Holding Time	Y	Y	

No MS/MSD analyzed for this SDG, however there are two sets of MS/MSD's in Lot#204169
All other QC criteria were met and data are considered acceptable

Reviewed By

Karen Hatfield

Karen Hatfield
Project Chemist, Ellis Env. Grp

SEVERN TRENT SERVICES

STL Chicago

SAMPLE INFORMATION

Date: 08/01/2001

Job Number.: 204167
Customer...: Ellis Environmental Group, LC
Attn.....: Rich Wheeler

Project Number.....: 20001239
Customer Project ID....: EEG001-013062
Project Description....: NAS Ft. Worth

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
204167-1	BEEGSWMU61012-01	Soil	06/27/2001	09:10	06/28/2001	09:45
204167-2	BEEGSWMU61012-02	Soil	06/27/2001	09:25	06/28/2001	09:45
204167-3	BEEGSWMU61013-01	Soil	06/27/2001	08:40	06/28/2001	09:45
204167-4	BEEGSWMU61014-01	Soil	06/27/2001	08:25	06/28/2001	09:45
204167-5	DUP02	Soil	06/27/2001	12:00	06/28/2001	09:45

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received

VALIDATION REPORT FOR NAS-FT. WORTH
SDG# 206134
METHOD TNRCC 1005/TPH STL-CHICAGO

Date: 02-18-02				
Samples: BEEGSWMU6104 (south), Sample:BEEGSWMU12DE2				
QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA
SOIL				
Chain of Custody	Y	Y	Each Set of Samples	Complete and Accurate
Holding Time	Y	Y	7 Days ext./ 40 days	Within Guidelines
Preservation	N	Y	Every Vial	4 degrees C +/- 2
Temperature Blank	Y	Y	(1) per cooler	4 degrees C +/- 2
5 Point Cal.	Y	Y	Initial Cal	cc>0.995, %RSD<25% FOR RFs
RT Window	Y	Y	Initial Cal and CCV	3x SD from 72 Hr. Study
Initial Cal. Verf.	Y	Y	Daily before Sample	Within 25%
Cont. Cal. Verf.	Y	Y	Each 10, At end	Within 25%
Method Blank	Y	<PQL	One Per Batch	None>PQL
Equipment Blank	EB101701	Y	One Per Batch	<PQL
Trip Blank	Y	Y	One Per Batch	<PQL
Field Duplicates	N	Y	10 % of samples	RPD = 30%
LCS	Y	Y	One Per Batch	See Table
Surrogates	Y	Y	All Samples	See Table
Res. Between MDL/RL	N	Y	None	None
MS/MSD	Y	See comment	As Req. by FSP	Lab Criteria

A lab MS/MSD was analyzed for another client's project. A MS/MSD was not requested on the COC.
All ND's should be changed to "U". No other qualification is necessary.

Reviewed By,
Karen Hatfield
Karen Hatfield, EEG CHEMIST

SAMPLE SUMMARY

I1J190159

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
EMFJ8	001	BEEGSWMU6104 206134-1	10/17/01	19:2[illegible]
EMFKG	002	EB101701 206134-2	10/17/01	18:0[illegible]

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages
- All calculations are performed before rounding to avoid round-off errors in calculated results
- Results noted as "ND" were not detected at or above the stated limit
- This report must not be reproduced, except in full, without the written approval of the laboratory
- Results for the following parameters are never reported on a dry weight basis color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight

received
3-13-02

VALIDATION REPORT FOR NAS-FT WORTH
SDG# 206247

METHOD TNRCC 1005/TPH LOT # I1J190135 STL-CHICAGO

Date 02-18 02				
Samples: BEEGSWMU12DS1,BEEGSWMU12DW1, BEEGSWMU12DF1, BEEGSWMU12DN1				
QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA
SOIL				
Chain of Custody	Y	Y	Each Set of Samples	Complete and Accurate
Holding Time	Y	Y	7 Days ext / 40 days	Within Guidelines
Preservation	N	Y	Every Vial	4 degrees C +/- 2
Temperature Blank	Y	Y	(1) per cooler	4 degrees C +/- 2
5 Point Cal.	Y	Y	Initial Cal	cc>0.995, %RSD<25% FOR RFs
RT Window	Y	Y	Initial Cal and CCV	3x SD from 72 Hr. Study
Initial Cal. Verf.	Y	Y	Daily before Sample	Within 25%
Cont. Cal. Verf.	Y	Y	Each 10, At end	Within 25%
Method Blank	Y	<PQL	One Per Batch	None>PQL
Equipment Blank	EEGEB101801	Y	One Per Batch	<PQL
Trip Blank	N	Y	One Per Batch	<PQL
Field Duplicates	EEGSWMU12DUP	Y	10 % of samples	RPD = 30%
LCS	Y	Y	One Per Batch	See Table
Surrogates	Y	See comment 1	All Samples	See Table
Res. Between MDL/	N	Y	None	None
MS/MSD	Y	See comment 2	As Req. by FSP	Lab Critena

1) BEEGSWMU12DE1, The surrogate 1-chlorooctane @150% was out side the control limit
No qualification (flag) .is necessary
2) A MS/MSD was analyzed with this group of samples but it was from another client's project
3) All "ND" should be changed to "U"

Reviewed By, Karen Hatfield
Karen Hatfield, EEG Chemist

SAMPLE SUMMARY

I1J190135

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
EMFA2	001	BEEGSWMU12DF1	10/18/01	13:50
EMFA4	002	BEEGSWMU12DUP2	10/18/01	12:00
EMFA6	003	BEEGSWMU12DN1	10/18/01	14:40
EMFA7	004	BEEGSWMU12DE1	10/18/01	15:20
EMFA8	005	BEEGSWMU12DS1	10/18/01	15:05
EMFA9	006	BEEGSWMU12DW1	10/18/01	15:30
EMFCC	007	EB101801	10/18/01	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages
- All calculations are performed before rounding to avoid round-off errors in calculated results
- Results noted as "ND" were not detected at or above the stated limit
- This report must not be reproduced, except in full, without the written approval of the laboratory
- Results for the following parameters are never reported on a dry weight basis color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight

VALIDATION REPORT FOR NAS-FT WORTH
SDG# ~~2287020~~ 206150
METHOD SW8270C/SVOA LOT #STL-CHICAGO

733 437

Date 02-14-02				
QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA
SOIL				
TCH: 35944, 435986				
AMPLES BEEGSWMU12001, EB101801				
Chain of Custody	Y	Y	Each Set Of Samples	Complete & Accurate
Holding Time	Y	Y	7 day ext /40 day analyze	Must Be Within Guidelines
Preservation	Y	Y	Every Vial	No air bubbles
Temperature Blank	Y	Y	(1) per cooler	4 degrees C +/- 2
5-Point Int Cal /Initial Cal	Y	Y	Prior to Sample Analysis	SPCC avg RRF >/= 0 05
				%RSD for CCC </= 30%
				mean/RSD <15% no anal > 30%
				r> 0 995 (5)or r> 0 990(6,7)
ICAL SPIKE				
2nd Source Cal Verf	Y	Y	Once Per 5 Point Cal	Within +/- 25%
Cont Cal Verification	Y	Y	Daily and Every 12 Hrs	SPCC RRF >/= 0 05 and
				each CCC < 20% drift
				cal. Within +/- 25%
Check DFTPP	Y	Y	Prior To Int Cal and Cal Verf	Per Method
Internal Standards	Y	Y	Every Sample	Per Method
Method Blank	Y	Y	One Per Batch	None>PQL
Equipment Blank	EEGEB110201	Y	One Per Batch	<PQL
	BATCH 37909			
p Blank	N	Y	One Per Batch	<PQL
Field Duplicates	Y	Y	10 % of samples	RPD= #)%
LCS	Y	Y	One Per Batch	See Table Attached
Surrogate Spike	Y	Y	Every Sample	See Table Attached
MS/MSD	N	Y	See Attached Table	See Table Attached
Res Between MDL/PQL	Y	Y	None	None

Only two samples were reviewed for this SDG and were only analyzed for Benzene.
The equipment blank was clean All QC were within criteria and no qualification is necessary

Reviewed By,
Karen Hatfield
Karen Hatfield, EEG CHEMIST

LABORATORY CHRONICLE

Job Number: 206150 Date: 11/20/2001

CUSTOMER: Ellis Environmental Group, LC PROJECT: NAS FW 7020.260 ATTN: Rick Levin

Lab ID: 206150-1 Client ID: BEEGSWMU12CF1 Date Recvd: 10/19/2001 Sample Date: 10/18/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	35661		10/22/2001	2204	

Lab ID: 206150-2 Client ID: BEEGSWMU12CS1 Date Recvd: 10/19/2001 Sample Date: 10/18/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	35661		10/22/2001	2204	

Lab ID: 206150-3 Client ID: BEEGSWMU12CN1 Date Recvd: 10/19/2001 Sample Date: 10/18/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	35661		10/22/2001	2204	

Lab ID: 206150-4 Client ID: BEEGSWMU12CE1 Date Recvd: 10/19/2001 Sample Date. 10/18/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	35661		10/22/2001	2204	

Lab ID: 206150-5 Client ID: BEEGSWMU12CW1 Date Recvd: 10/19/2001 Sample Date: 10/18/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	35661		10/22/2001	2204	

Lab ID. 206150-6 Client ID: BEEGSWMU12001 Date Recvd: 10/19/2001 Sample Date: 10/18/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	35661		10/22/2001	2204	
5035	5035 Archon Closed Purge & Trap	1	35665		10/22/2001	2018	
5035	5035 Preservation High (Methanol)	1	35823		10/19/2001	2220	
5035	5035 Preservation Low	1	35822				
5	5035 Preservation Low	2	35822		10/22/2001	1500	
0B	Volatile Organics	1	35944	35822 -35665	10/22/2001	2018	1.00000

Lab ID: 206150-7 Client ID: EB101801 Date Recvd: 10/19/2001 Sample Date: 10/18/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030A	5030 25 mL Purge Prep	1	35974		10/24/2001	2336	
8260B	Volatile Organics	1	35986	35974	10/24/2001	2336	1.00000

Lab ID: 206150-8 Client ID: BEEGSWMU12BS1 Date Recvd: 10/19/2001 Sample Date: 10/18/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	35661		10/22/2001	2204	

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VALIDATION REPORT FOR NAS-FT WORTH

METHOD 8310/PAH LOT #206150/STL-CHICAGO

QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA
Chain of Custody	Y	Y	Each Set of Samples	Complete and Accurate
Holding Time	Y	Y	7 D Ext/40 D Analysis	Within Guidelines
5 Point Cal	Y	Y	Beginning	%RSD< 20% (30%)
2nd Source Cal Verf	Y	Y	1 Per 5 Point Cal.	15%
ICV	Y	Y	Daily at Beginning	15%
CCV	Y	Y	Every 10, End	15%
Method Blank	Y	<PQL	One per batch	None >PQL
LCS	Y	Y-1	One per Batch	Lab Criteria
Surrogate	Y	Y-2	Every sample	Lab Criteria
MS/MSD	N	NR	See FSP	Lab Criteria
Confirmation	Y	Y	100% for Hits	Same as for Int Analy
Res Between MDL/PL	Y	Y-F	None	None

Y-2 = Flagged with "D" because the sample dilution diluted out the surrogate.
Y-1 = LCD failed for pyrene at 138% recovery, and 42% RPD, also the LCS for pyrere was outside the limits at 213%
Y-F = Flagged with "F"
11 compounds flagged with "A" and one with "M"

Karen Hatfield Karen Hatfield
Project Chemist, Ellis Env. Grp

VALIDATION REPORT FOR NAS-FT WORTH
JOB# 206150
METHOD 8260B/VOLATILES LOT #STL-CHICAGO

Date 12-21-01					
QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA	PAGES
SOIL					
Chain of Custody	Y	Y	Each Set of Samples	Complete and Accurate	6,8
Holding Time	Y	Y	14 Days	Within Guidelines	8
5 Point Cal	Y	Y[1]	Initial Cal	SPCC RRF>0 30	39-60, 177-198
				%RSD = <15%, (30%)	
				CC = 0 995 (5)	
ICAL SPIKE					
2nd source Cal Verf	Y	Y[2]	One Per 5 Point	25%	19, 374-376
Cont Cal Verf	Y	Y[3]	Daily, 12 Hrs	SPCC RF >0 30	300-302, 317, 325-327
				CCC<20% 25%	
BFB	Y	Y	Before IC and CV	See Criteria	19-23
Internal Std	Y	Y	Every Sample	RT = 30seconds	24-27
				EICP = -50% to +100%	
				12 Hrs	
Method Blank	Y	Y	One Per Batch	None>PQL	17-18, 348, 351, 352
LCS	Y	Y[4]	One Per Batch	Lab Criteria	15-16
Surrogate	Y	Y	All Samples	Lab Criteria	14
Res Between MDL/PQL	Y	Y	None	None	
MS/MSD	N	Y	As Req by FSP	Lab Criteria	

1 **5-Point Cal** Page 183 , Chloroethane @ 32 88%, limit 30%
2 **2nd source Cal Verf.** Page 374, 375 , 5 compounds are not within the 75-125% limit
3 **Con Cal Verf** , Page 300,301, 5 compounds exceed the 25% limit Page 317, 3 compounds exceed the 25% limit Page 325, 2 compounds exceed the 25% limit
4 **LCS** 2 compounds exceeded the QC limit Page 16 , Bromomethane @ 149%, limit 50-125%, page 16, Vinyl Acetate @ 204%, limit 0-200%

Reviewed By
Karen Hatfield
Karen Hatfield
Project Chemist, EEG

VALIDATION REPORT FOR NAS-FT. WORTH
Job/Lab # **206129 (Soil)**
METHOD 7000A/GFAA METALS STL-CHICAGO

QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA
Chain of Custody (COC)	Y	Y	Each Set of Samples	Complete and Accurate
Holding Time	Y	Y	6 Months	Within Guidelines
Initial Cal.(3 & Blk)	Y	Y	Daily at Beginning	C.C =0 995
ICB and CCB	Y	Y	Beginning, Every 10, End	>PQL, no Negative Sig
ICV & CCV	Y	Y	Beginning, Every 10, End	20% of Value
Method Blank	Y	Y	One per Batch	<PQL, No Neg Analytes
LCS	Y	Y	One per Batch	See Table
Post Digestion Spike (AS)	Y	See Below	Once per Sample	85-115%
MS/MSD	N	NR	Not Required for Metals	See Table
Results between MDL&RL	N	Y	None	None
Field Equipment Blank	Y	Y	One per Day per Matrix	None
Field Duplicate	Y	Y-Pb	10% of environmental samples	None

All Blanks were nondetected but some of the PDS were out of control as listed below.

BEEGSWMU31AF1 (206129-7) Pb 12.6J
BEEGSWMU31AE1 (206129-9) Pb 8 7J
BEEGSWMU12BF1 (206129-13) Pb 10 5J
BEEGSWMU12DUP1 (206129-14) Pb 8 3J

flagged 'J' estimated due to out-of-control PDS sample. All other QC criteria is in control

Reviewed by,
Karen Hatfield
Karen Hatfield, EEG CHEMIST

VALIDATION REPORT FOR NAS-FT. WORTH
Job/Lab # **206129 (Soil)**
METHOD 6010B/ICAP METALS STL-CHICAGO

QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA
Chain of Custody	Y	Y	Each Set of Samples	Complete and Accurate
Holding Time	Y	Y	6 Months	Within Guidelines
Initial Calibration	Y	Y	Daily, 1 STD = Blank	None
ICB and CCB	Y	Y	First, Every 10, End	None > PQL, or < -PQL
ICV and CCV	Y	Y	Begin, Every 10, End	10%
ICS	Y	Y	Begin, End, or 2X in 8 Hr	20%
LCS	Y	Y	One per Batch	Lab Criteria
MS/MSD	N	NR	1 per Matrix per Site	Lab Criteria
Results between MDL&RL	Y	Lab Flag F	None	None
Method Blank	Y	Y	One per Batch	None > PQL
Field Equipment Blank	Y	Y	One per Sampling Day	None
Field Duplicate	Y	Y	10% of environmental samples	None

Some blanks had low level amounts of the compounds These are itemized below

* ~~Zn had a action level of 42 ppb and thus BEEGSWMU31BF1 was flagged "U", BEEGSWMU31BN1 was flsgged "U"~~ BEEGSWMU31BW1 Was flaggrd "U". ~~The action level for cadmium was 2.5 and thus BEEGSWMU3IAN1 was flagged "U"and also BEEGSWMU12BN1was flagged "U"and BEEGSWMU112BE1 was flagged "U".~~

Reviewed by,

Karen Hatfield

Karen Hatfield, EEG CHEMIST

* Please See Attached Revisions

VALIDATION REPORT FOR NAS-FT. WORTH
Job/Lab # **206129 (Soil)**
METHOD 7 70A/7471A/Hg STL-CHICAGO

QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA
Chain of Custody	Y	Y	Each Set of Samples	Complete and Accurate
Holding Time	Y	Y	28 Days	Within Guidelines
Initial Cal (5 & Blk)	Y	Y	Daily at Beginning	C C =0.995
ICB and CCB	Y	Y	Beginning, Every 10, End	>PQL, no Negative Sig.
ICV and CCV	Y	Y	Every 10, End	20% of Value
Method Blank	Y	Y	One per Batch	<PQL, No Neg Analytes
LCS	Y	Y	One per Batch	Lab Limits
Post Digestion Spike (AS)	N	Y	When Matrix check fails	85-115%
MS/MSD	N	NR	One per Batch	Lab Limits
Results between MDL&RL	Y	Lab Flag F	None	None
Field Equipment Blank	Y	Y	One per day per medium	None
Field Duplicate	N	NR	10% of environmental samples	None

All blanks were not detectable and the PDS was in control All other QC criteria was in control.

Reviewed by,
Karen Hatfield
KAREN HATFIELD, EEG CHEMIST

REVISIONS
Metals
SW-846 ICP and AA Methods
USEPA Level III Review

Site. Naval Air Station Fort Worth JRB, Texas — SDG #: 206129

Laboratory: STL-Chicago — Date· 04.09.02

HydroGeoLogic, Inc Reviewer. Kimberly Evers — Project: EEG001-01B062

Method and Calibration Blanks - The preparation blank and associated CCBs had a positive detection of chromium. The highest associated blank value was 0 3 mg/kg of chromium, leading to an action level of 1.5 mg/kg. All associated results for this element were greater than the action level and no qualification is necessary.

No blanks exhibited negative blank values (indicative of a negative baseline drift). No qualification necessary.

Equipment Blanks - Equipment blank EB101701 is associated with the samples in this SDG and was free from contamination with the exception of 7.8 µg/L of zinc, leading to an action level of 3.9 mg/kg. All associated results are greater than the action level and no qualification is necessary.

Field Duplicates - Field duplicate BEEGSWMU31DUP1 is associated with sample BEEGSWMU31BF1. The calculated RPDs meet the acceptance criteria and no qualification is necessary. Field duplicate BEEGSWMU12DUP1 is associated with sample BEEGSWMU12BF1. The calculated RPDs meet the acceptance criteria and no qualification is necessary.

Qualification Summary Table (all values mg/kg)

Sample ID	Analyte	Lab Val	Lab Qual	HGL Val	HGL Qual
BEEGSWMU31BF1	No Qualification Necessary				
BEEGSWMU31DUP1	No Qualification Necessary				
BEEGSWMU31BN1	No Qualification Necessary				
BEEGSWMU31BE1	No Qualification Necessary				
BEEGSWMU31BS1	No Qualification Necessary				
BEEGSWMU31BW1	No Qualification Necessary				
BEEGSWMU31AF1	Lead	12.6	No flag	12.6	J
BEEGSWMU31AN1	No Qualification Necessary				
BEEGSWMU31AE1	Lead	8.7	No flag	8.7	J
BEEGSWMU31AS1	No Qualification Necessary				
BEEGSWMU31AW1	No Qualification Necessary				
BEEGSWMU12BF1	Lead	10.5	No flag	10.5	J
BEEGSWMU12DUP1	Lead	8.3	No flag	8.3	J
BEEGSWMU12BN1	No Qualification Necessary				
BEEGSWMU12BE1	No Qualification Necessary				

BEEGSWMU12BW1	No Qualification Necessary

SEVERN TRENT SERVICES

STL Chicago

LABORATORY CHRONICLE

Job Number: 206129 Date: 11/15/2001

CUSTOMER: Ellis Environmental Group, LC PROJECT: NAS FW 7020.260 ATTN: Rick Levin

Lab ID: 206129-6 Client ID: BEEGSWMU31BW1 Date Recvd: 10/18/2001 Sample Date: 10/17/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
6010B	Metals Analysis (ICAP Trace)	1	35764	35371	10/22/2001	1552	
7470/7471	SW846 Digestion (Hg)	1	35635		10/22/2001	1130	

Lab ID: 206129-7 Client ID: BEEGSWMU31AF1 Date Recvd: 10/18/2001 Sample Date: 10/17/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	35344		10/18/2001	2252	
3050B	Acid Digestion: Solids (GFAA)	1	35393		10/19/2001	1005	
3050B	Acid Digestion: Solids (ICAP)	1	35371		10/19/2001	1005	
7421	Lead (GFAA)	1	35570	35393	10/20/2001	2327	10
6010B	Metals Analysis (ICAP Trace)	1	35764	35371	10/22/2001	1609	

Lab ID: 206129-8 Client ID: BEEGSWMU31AN1 Date Recvd: 10/18/2001 Sample Date: 10/17/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	35344		10/18/2001	2252	
3050B	Acid Digestion: Solids (GFAA)	1	35393		10/19/2001	1005	
3050B	Acid Digestion: Solids (ICAP)	1	35371		10/19/2001	1005	
7421	Lead (GFAA)	1	35682	35393	10/22/2001	1216	500
6010B	Metals Analysis (ICAP Trace)	1	35764	35371	10/22/2001	1615	

Lab ID: 206129-9 Client ID: BEEGSWMU31AE1 Date Recvd: 10/18/2001 Sample Date: 10/17/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	35344		10/18/2001	2252	
3050B	Acid Digestion: Solids (GFAA)	1	35393		10/19/2001	1005	
3050B	Acid Digestion: Solids (ICAP)	1	35371		10/19/2001	1005	
7421	Lead (GFAA)	1	35570	35393	10/21/2001	0013	10
6010B	Metals Analysis (ICAP Trace)	1	35764	35371	10/22/2001	1621	

Lab ID: 206129-10 Client ID: BEEGSWMU31AS1 Date Recvd: 10/18/2001 Sample Date: 10/17/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	35344		10/18/2001	2252	
3050B	Acid Digestion: Solids (GFAA)	1	35393		10/19/2001	1005	
3050B	Acid Digestion: Solids (ICAP)	1	35371		10/19/2001	1005	
7421	Lead (GFAA)	1	35570	35393	10/21/2001	0036	50
6010B	Metals Analysis (ICAP Trace)	1	35764	35371	10/22/2001	1627	

Lab ID: 206129-11 Client ID: BEEGSWMU31AW1 Date Recvd: 10/18/2001 Sample Date: 10/17/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	35344		10/18/2001	2252	
3050B	Acid Digestion: Solids (GFAA)	1	35393		10/19/2001	1005	
3050B	Acid Digestion: Solids (ICAP)	1	35371		10/19/2001	1005	
7421	Lead (GFAA)	1	35570	35393	10/20/2001	0045	50
6010B	Metals Analysis (ICAP Trace)	1	35764	35371	10/22/2001	1633	

Lab ID: 206129-12 Client ID: BEEGSWMU6104 Date Recvd: 10/18/2001 Sample Date: 10/17/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	35814		10/23/2001	2317	

Lab ID: 206129-13 Client ID: BEEGSWMU12BF1 Date Recvd: 10/18/2001 Sample Date: 10/17/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	35344		10/18/2001	2252	
3050B	Acid Digestion: Solids (GFAA)	1	35393		10/19/2001	1005	
3050B	Acid Digestion: Solids (ICAP)	1	35371		10/19/2001	1005	
7421	Lead (GFAA)	1	35570	35393	10/21/2001	0111	10
6010B	Metals Analysis (ICAP Trace)	1	35764	35371	10/22/2001	1639	

Lab ID: 206129-14 Client ID: BEEGSWMU12DUP1 Date Recvd: 10/18/2001 Sample Date: 10/17/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	35344		10/18/2001	2252	

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LABORATORY CHRONICLE

Job Number: 206129 Date: 11/15/2001

CUSTOMER: Ellis Environmental Group, LC PROJECT: NAS FW 7020.260 ATTN: Rick Levin

Lab ID: 206129-14 Client ID: BEEGSWMU120UP1 Date Recvd: 10/18/2001 Sample Date: 10/17/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
3050B	Acid Digestion: Solids (GFAA)	1	35393		10/19/2001	1005	
3050B	Acid Digestion: Solids (ICAP)	1	35371		10/19/2001	1005	
7421	Lead (GFAA)	1	35570	35393	10/21/2001	0134	10
6010B	Metals Analysis (ICAP Trace)	1	35764	35371	10/22/2001	1645	

Lab ID: 206129-15 Client ID: BEEGSWMU12BN1 Date Recvd: 10/18/2001 Sample Date: 10/17/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	35344		10/18/2001	2252	
1312	1312 SPLP	1	36502		10/29/2001	1625	
3020A(M)	Acid Dig.+H202 Leachates (GFAA)	1	36558	36502	10/31/2001	0930	
3050B	Acid Digestion: Solids (GFAA)	1	35393		10/19/2001	1005	
3050B	Acid Digestion: Solids (ICAP)	1	35371		10/19/2001	1005	
7131A	Leachable, Cadmium (GFAA)	1	36697	36558 -36502	11/01/2001	1052	
7421	Lead (GFAA)	1	35570	35393	10/21/2001	0146	10
6010B	Metals Analysis (ICAP Trace)	1	35764	35371	10/22/2001	1650	

Lab ID: 206129-16 Client ID: BEEGSWMU12BE1 Date Recvd: 10/18/2001 Sample Date: 10/17/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	35344		10/18/2001	2252	
1312	1312 SPLP	1	36502		10/29/2001	1625	
3020A(M)	Acid Dig.+H202 Leachates (GFAA)	1	36558	36502	10/31/2001	0930	
3050B	Acid Digestion: Solids (GFAA)	1	35393		10/19/2001	1005	
3050B	Acid Digestion: Solids (ICAP)	1	35371		10/19/2001	1005	
7421	Leachable, Lead (GFAA)	1	36670	36558 -36502	10/31/2001	1731	5
7421	Lead (GFAA)	1	35570	35393	10/20/2001	0149	50
6010B	Metals Analysis (ICAP Trace)	1	35764	35371	10/22/2001	1656	

Lab ID: 206129-17 Client ID: BEEGSWMU12BW1 Date Recvd: 10/18/2001 Sample Date: 10/17/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	35344		10/18/2001	2252	
3050B	Acid Digestion: Solids (GFAA)	1	35393		10/19/2001	1005	
3050B	Acid Digestion: Solids (ICAP)	1	35371		10/19/2001	1005	
7421	Lead (GFAA)	1	35570	35393	10/21/2001	0220	10
6010B	Metals Analysis (ICAP Trace)	1	35764	35371	10/22/2001	1702	

Lab ID: 206129-18 Client ID: EB101701 Date Recvd: 10/18/2001 Sample Date: 10/17/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
3010A	Acid Digestion (ICAP)	1	35388		10/19/2001	0915	
3020A(M)	Acid Digestion + H202 (GFAA)	1	35389		10/19/2001	0915	
7041	Antimony (GFAA)	1	37976	35389	11/12/2001	2152	
7191	Chromium (GFAA)	1	35859	35389	10/23/2001	1317	
7421	Lead (GFAA)	1	35682	35389	10/22/2001	1338	
7470A	Mercury (CVAA)	1	35473	35462	10/19/2001	1354	
6010B	Metals Analysis (ICAP Trace)	1	35765	35388	10/22/2001	2008	
7470/7471	SW846 Digestion (Hg)	1	35462		10/19/2001	1010	
7740	Selenium (GFAA)	1	35704	35389	10/22/2001	1359	
7841	Thallium (GFAA)	1	35855	35389	10/23/2001	1936	

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733 448 received 3-15-02

VALIDATION REPORT FOR NAS-FT WORTH
SDG# 206129
METHOD 8260B/VOLATILES LOT #STL-CHICAGO

Date. 2-13-02					
Batch: 35986, Samples: EB101701					
Batch: 37962, Samples: BEEGSWMU6104, BEEGSWMU31AF1					
QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA	
SOIL					
Chain of Custody	Y	See comment 1	Each Set of Samples	Complete and Accurate	
Holding Time	Y	Y	14 Days	Within Guidelines	
Preservation	Y	Y	Every Vial	HCL <2 Ph	
Temperature Blank	Y	Y	(1) per cooler	4 degrees C +/- 2	
5 Point Cal	Y	See comment 2	Initial Cal	SPCC RRF>0 30	
				%RSD = <15%, (30%)	
				CC = 0 995 (5)	
ICAL SPIKE					
2nd source Cal. Verf	Y	See comment 5	One Per 5 Point	25%	
Cont Cal. Verf	Y	See Comment 3	Daily, 12 Hrs	SPCC RF >0.30	
				CCC<20% 25%	
BFB	Y	Y	Before IC and CV	See Criteria	
Internal Std	Y	Y	Every Sample	RT = 30seconds	
				EICP = -50% to +100%	
				12 Hrs	
Method Blank	Y	Y	One Per Batch	None>PQL	
Equipment Blank	Y	Y	One Per Batch	<PQL	
Trip Blank	N	Y	One Per Batch	<PQL	
Field Duplicates	N	Y	10 % of samples	RPD = 30%	
LCS	Y	See comment 4	One Per Batch	Lab Criteria	
Surrogates	Y	Y	All Samples	Lab Criteria	
Res Between MDL/PQL	Y	Flag "F"	None	None	
MS/MSD	N	Y	As Req by FSP	Lab Criteria	
NQ No Qualification Required, NR=None-Requested					

BEEGSWMU31AF1 was only tested for 2-Butanone and Benzene No qualification is necessary. All QC is within limits

1) COC Sample times on COC for samples 5 and 6 did not match the times on the containers. The discrepancy was resolved.

2) 5-Point Cal , Batch 37962, GCL5, 10-21-01, Chloroethane @ 32.9%, limit 30% Qualify R for sample BEEGSWMU6104.

3) Con. Cal. Verf., Batch 37962, GCL5, 22-0CT-01, Bromomethane @ -37.00% and Chloroethane @ 48.09% exceeded the 25% limit Qualify R for BEEGSWMU6104

4) **Batch 35962, sample: (BEEGSWMU6104)**, The LCS for Dichlorodifluoromethane, @ 162%, limit 50-135%, Chloroethane, solid, @ 154%, limit 50-135% and 1,1,1,2-tetrachloroethane @ 111%, limit 62-108%. ~~Qualify R~~ *

5) ICAL spike for Dichlorodifluoromethane @149%, Chloromethane @126%, Bromomethane @ 128%, Chloroethane @145%, and Bromochloromethane @ 67%did not meet the criteria of 75-125% for batch 37962 and sample BEEGSWMU6104 should be qualified "R".

Karen Hatfield Karen Hatfield
Project Chemist, EEG

See Attached Revisions

REVISIONS

Volatile Organic Compounds
SW-846 Method 8260B
USEPA Level III Review

Site: NAS Fort Worth JRB
Laboratory STL-Chicago
HydroGeoLogic, Inc. Reviewer: Kimberly Evers

SDG #: 206129
Date. 04.09.02
Project. EEG001-01B062

LCS: The LCS associated with batch 35962 had all %Rs in control with the exception of 1,1,1,2-tetrachloroethane which had a high %R. The validation report incorrectly stated that the associated 1,1,1,2-tetrachloroethane result in sample BEEGSWMU6104 should be R qualified. The associated result is non-detect and no qualification is necessary.

Qualification Summary Table

Sample ID	Analyte	Lab Val	Lab Qual	HGL Val	HGL Qual
BEEGSWMU31AF1	No qualification necessary				
BEEGSWMU6104	Dichlorodifluoromethane	0 7	U	0 7	R
	Chloromethane	0.9	U	0.9	R
	Bromomethane	3	U	3	R
	Chloroethane	2	U	2	R
	Bromochloromethane	1	U	1	R

SEVERN TRENT SERVICES

STL Chicago

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SAMPLE INFORMATION

Date: 11/19/2001

Job Number.: 206129
Customer...: Ellis Environmental Group, LC
Attn.....: Rick Levin

Project Number.....: 20001239
Customer Project ID....: NAS FW 7020.260
Project Description....: NAS Ft. Worth

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
206129-1	BEEGSWMU31BF1	Soil	10/17/2001	09:40	10/18/2001	10:20
206129-2	BEEGSWMU31DUP1	Soil	10/17/2001	12:00	10/18/2001	10:20
206129-3	BEEGSWMU31BN1	Soil	10/17/2001	11:15	10/18/2001	10:20
206129-4	BEEGSWMU31BE1	Soil	10/17/2001	11:20	10/18/2001	10:20
206129-5	BEEGSWMU31BS1	Soil	10/17/2001	11:25	10/18/2001	10:20
206129-6	BEEGSWMU31BW1	Soil	10/17/2001	11:30	10/18/2001	10:20
206129-7	BEEGSWMU31AF1	Soil	10/17/2001	10:20	10/18/2001	10:20
206129-8	BEEGSWMU31AN1	Soil	10/17/2001	10:30	10/18/2001	10:20
206129-9	BEEGSWMU31AE1	Soil	10/17/2001	10:35	10/18/2001	10:20
206129-10	BEEGSWMU31AS1	Soil	10/17/2001	10:40	10/18/2001	10:20
206129-11	BEEGSWMU31AW1	Soil	10/17/2001	10:50	10/18/2001	10:20
206129-12	BEEGSWMU6104	Soil	10/17/2001	14:25	10/18/2001	10:20
206129-13	BEEGSWMU12BF1	Soil	10/17/2001	15:55	10/18/2001	10:20
206129-14	BEEGSWMU12DUP1	Soil	10/17/2001	16:00	10/18/2001	10:20
206129-15	BEEGSWMU12BN1	Soil	10/17/2001	16:28	10/18/2001	10.20
206129-16	BEEGSWMU12BE1	Soil	10/17/2001	16:35	10/18/2001	10.20
206129-17	BEEGSWMU12BW1	Soil	10/17/2001	16:40	10/18/2001	10:20
206129-18	EB101701	Water	10/17/2001	18:00	10/18/2001	10:20

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VALIDATION REPORT FOR NAS-FT WORTH
JOB# 206097

Received 3-13-02

METHOD 8260B VOLATILES LOT #STL-CHICAGO

Date 2-20-02				
QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA
SOIL				
[illegible]CH;37962, Samples: BEEGSWMU6102, BEEGSWMU6103, BEEGSWMU6105,				
[illegible]CH: 378963, SAMPLE: EBEEG101601				
Chain of Custody	Y	Y	Each Set of Samples	Complete and Accurate
Holding Time	Y	Y	14 Days	Within Guidelines
Preservation	Y	Y	Every Vial	HCL <2 Ph
Temperature Blank	Y	Y	(1) per cooler	4 degrees C +/- 2
5 Point Cal	Y	Y[1]	Initial Cal	SPCC RRF>0 30
				%RSD = <15%, (30%)
				CC = 0 995 (5)
ICAL SPIKE				
2nd source Cal Verf	Y	Y[2]	One Per 5 Point	25%
Cont Cal Verf	Y	Y[3]	Daily, 12 Hrs	SPCC RF >0 30
				CCC<20% 25%
BFB	Y	Y	Before IC and CV	See Criteria
Internal Std	Y	Y	Every Sample	RT = 30seconds
				EICP = -50% to +100%
				12 Hrs
Method Blank	Y	Y	One Per Batch	None>PQL
Equipment Blank	EEGEB101601	Y	One Per Batch	
[illegible]Blank	N	Y	One Per Batch	
Field Duplicates	BEEGSWMU61DUP01	Y	10 % of samples	
LCS	Y	Y[4]	One Per Batch	Lab Criteria
Surrogate	Y	Y	All Samples	Lab Criteria
Res Between MDL/PQL	Y	Y[5]	None	None
MS/MSD	N	Y	As Req by FSP	Lab Criteria

1) 5-Point Cal , GCL5, Batch 37962, Page 185, Chloroethane @ 32 88%, limit 30% Qualify R
2) 2nd source Cal. Verf., GCL3, Dichlorodifuoromethane @ 54 67%, limit 75-125%, Chloromethane @ ~~65 88%~~, 65.55% limit 75-125%,
GCL5, Dichlorodifluoromethane @ 149 20%, Chloromethane @ 125 81%, Bromomethane @ 127 86%, Chloroethane @ 145 02%, Bromochloromethane @ 66 71%, limit 75-125%, Qualify R
3) Con. Cal. Verf. GCL5, Bromomethane @ -37 00%, Chloroethane @ 48 09%, exceed the 25% RSD QAPP Limit, Qualify R
4) LCS, Batch 37963, SAMPLE: EBEEG101601, The following compound exceeded the QC limit, Bromomethane @ 127%, limit 50-125% **Batch 37962, SAMPLES: BEEGSWMU6101.6102, 6103, 6105, and DUP01,** The following compounds exceeded Dichlorodifluoromethane, solid @162%, limit 50-135%, Chloroethane, solid @ 154%, limit 50-135%, 1,1,1,2-Tetrachloroethane, solid @111%, limit 62-108%. Qualify compounds R
5) Res. Between MDL/PQL, Batch 32692, Sample: BEEGSWMU6102, Napthalene, F-flag, **Batch 32692,** Sample: BEEGSWMU6105, Ethylbenzene, solid F-flag, m&p-Xylenes, solid, F-flag, o-Xylenes, solid, F-flag, and 1,2,4-Trimethylbenzene, solid, F-flag Qualify compounds F

Reviewed By
Karen Hatfield
Karen Hatfield
Project Chemist, EEG

LABORATORY CHRONICLE

Job Number: 206097 Date: 11/14/2001

CUSTOMER: Ellis Environmental Group, LC PROJECT: NAS FW 7020.260 ATTN: Rick Levin

Lab ID: 206097-1 Client ID: BEEGSWMU6101 Date Recvd: 10/17/2001 Sample Date: 10/16/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	35813		10/23/2001	2315	
5035	5035 Archon Closed Purge & Trap	1	35665		10/22/2001	1700	
5035	5035 Preservation High (Methanol)	1	35240		10/17/2001	2225	
5035	5035 Preservation Low	1	35239				
5035	5035 Preservation Low	2	35239				
EDD	Electronic Data Deliverable	1					
8260B	Volatile Organics	1	37962	35239 -35665	10/22/2001	1700	1.00000

Lab ID: 206097-2 Client ID: BEEGSWMU6101DUP01 Date Recvd: 10/17/2001 Sample Date: 10/16/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	35813		10/23/2001	2315	
5035	5035 Archon Closed Purge & Trap	1	35665		10/22/2001	1728	
5035	5035 Preservation High (Methanol)	1	35240		10/17/2001	2227	
5035	5035 Preservation Low	1	35239				
5035	5035 Preservation Low	2	35239				
8260B	Volatile Organics	1	37962	35239 -35665	10/22/2001	1728	1.00000

Lab ID: 206097-3 Client ID: BEEGSWMU6102 Date Recvd: 10/17/2001 Sample Date. 10/16/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	35813		10/23/2001	2315	
5035	5035 Archon Closed Purge & Trap	1	35665		10/22/2001	1756	
5035	5035 Preservation High (Methanol)	1	35240		10/17/2001	2229	
5035	5035 Preservation Low	1	35239				
5035	5035 Preservation Low	2	35239				
8260B	Volatile Organics	1	37962	35239 -35665	10/22/2001	1756	1.00000

Lab ID: 206097-4 Client ID: BEEGSWMU6103 Date Recvd: 10/17/2001 Sample Date: 10/16/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	35813		10/23/2001	2315	
5035	5035 Archon Closed Purge & Trap	1	35665		10/22/2001	1825	
5035	5035 Preservation High (Methanol)	1	35240		10/17/2001	2231	
5035	5035 Preservation Low	1	35239				
5035	5035 Preservation Low	2	35239				
8260B	Volatile Organics	1	37962	35239 -35665	10/22/2001	1825	1.00000

Lab ID: 206097-5 Client ID: BEEGSWMU6105 Date Recvd: 10/17/2001 Sample Date. 10/16/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	35813		10/23/2001	2315	
5035	5035 Archon Closed Purge & Trap	1	35665		10/22/2001	1853	
5035	5035 Preservation High (Methanol)	1	35240		10/17/2001	2233	
5035	5035 Preservation Low	1	35239				
5035	5035 Preservation Low	2	35239				
8260B	Volatile Organics	1	37962	35239 -35665	10/22/2001	1853	1.00000

Lab ID. 206097-6 Client ID: EBEEG101601 Date Recvd: 10/17/2001 Sample Date 10/16/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030A	5030 25 mL Purge Prep	1	35366		10/18/2001	2218	
8260B	Volatile Organics	1	37963	35366	10/18/2001	2218	1.00000

VALIDATION REPORT FOR NAS-FT WORTH
JOB# 206097
METHOD 8260B/VOLATILES LOT #STL-CHICAGO

Date 12-17-01					
QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA	PAGES
SOIL					
Chain of Custody	Y	Y	Each Set of Samples	Complete and Accurate	6,8
Holding Time	Y	Y	14 Days	Within Guidelines	8
5 Point Cal	Y	Y[1]	Initial Cal	SPCC RRF>0 30	81-102
				%RSD = <15%, (30%)	177-197
				CC = 0 995 (5)	
ICAL SPIKE					
2nd source Cal Verf	Y	Y[2]	One Per 5 Point	25%	304-309
Cont Cal Verf	Y	Y[3]	Daily, 12 Hrs	SPCC RF >0 30	255-257, 268-270
				CCC<20% 25%	
BFB	Y	Y	Before IC and CV	See Criteria	21-25
Internal Std	Y	Y	Every Sample	RT = 30seconds	26-28
				EICP = -50% to +100%	
				12 Hrs	
Method Blank	Y	Y	One Per Batch	None>PQL	19-20
					288-289, 292-293
LCS	Y	Y[4]	One Per Batch	Lab Criteria	15-18
Surrogate	Y	Y	All Samples	Lab Criteria	14
Res Between MDL/P	Y	Y[5]	None	None	22-24, 37-39, 51-53
					64-66, 76-78,
MS/MSD	N	Y	As Req by FSP	Lab Criteria	

1 **5-Point Cal** Page 185, Chloroethane 32 88%, limit 30%
2 **2nd source Cal Verf** Page 304 Dichlorodifuoromethane @ 54 67%, limit 75-125%, Chloromethane @ 65 88%, limit 75-125%, Acetone @ 72 73%, limit 75-125%, Iodomethane @ 0%, limit 75-125%, Vinyl Acetate @ 150 72%, limit 75-125%, Bromochloromethane @ 66 71%, limit 75-125%, Carbon Disulfide @ 138 94%, limit 75-125%, Vinyl Acetate @ 146 87%, limit 75-125%,
3 **Con Cal Verf** Page 268, Bromomethane @ -37 %, Chloroethane @ 43 09%, exceed the 25% RSD QAPP Limit
4 **LCS** 4 compounds exceed the QC limits Pages 15, 16, Bromomethane @ 127%, limit 50-125%, Dichlorodifuoromethane, solid @ 162%, limit 50-135%, Chloroethane, solid @ 154%, limit 50- 135%, 1,1,1,2-Tetrachloroetane, solid @ 111%, Limit 62-108%
5 **Res Between MDL/PQL**, Isoprpylbenzene, solid, A-flag, page 53, Napthalene, F- flag, page 65, Ethylbenzene, solid, A-flag, m&p-Xylenes, solid, A-flag, o-Xylenes, solid, A-flag, 1,2,4-Trimethylbenzene, solid, A-flag, sec-Butylbenzene, solid, A-flag

Reviewed By
Karen Hatfield
Karen Hatfield
Project Chemist, EEG

VALIDATION REPORT FOR NAS-FT WORTH
JOB# 206097
METHOD 8260B/VOLATILES LOT #STL-CHICAGO

Date 12-17-0'					
QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA	PAGES
SOIL					
Chain of Custody	Y	Y	Each Set of Samples	Complete and Accurate	6 8
Holding Time	Y	Y	14 Days	Within Guidelines	8
5 Point Cal	Y	Y[1]	Initial Cal	SPCC RRF>0 30	81-102
				%RSD = <15% (30%)	177-197
				CC = 0 995 (5)	
ICAL SPIKE					
2nd source Cal Verf	Y	Y[2]	One Per 5 Point	25%	304-309
Cont Cal Verf	Y	Y[3]	Daily, 12 Hrs	SPCC RF >0 30	255-257, 268-270
				CCC<20% 25%	
BFB	Y	Y	Before IC and CV	See Criteria	21-25
Internal Std	Y	Y	Every Sample	RT = 30seconds	26-28
				EICP = -50% to +100%	
				12 Hrs	
Method Blank	Y	Y	One Per Batch	None>PQL	19-20
					288-289, 292-293
LCS	Y	Y[4]	One Per Batch	Lab Criteria	15-18
Surrogate	Y	Y	All Samples	Lab Criteria	14
Res Between MDL/P	Y	Y[5]	None	None	22-24, 37-39, 51-53
					64-66, 76-78,
MS/MSD	N	Y	As Req by FSP	Lab Criteria	

1 **5-Point Cal** Page 185, Chloroethane 32 88%, limit 30%

* 2 **2nd source Cal Verf.** ~~Page 304~~ ~~Dichlorodifluoromethane @ 54 67%, limit 75-125%, Chloromethane @ 65.88%, limit 75-125%, Acetone @ 72-73%, limit 75-125%, Iodomethane @ 0% limit 75-125%, Vinyl Acetate @ 150 72%, limit 75-125%~~, Bromochloromethane @ 66 71%, limit 75-125%, ~~Carbon Disulfide @ 138 94%, limit 75-125%, Vinyl Acetate @ 145 87%, limit 75-1~~25%, associated w/EB

3 **Con Cal Verf** Page 268, Bromomethane @ -37 %, Chloroethane @ 49 09%, exceed the 25% RSD QAPP Limit

* 4 **LCS** 4 compounds exceed the QC limits Pages 15, 16, ~~Bromomethane @ -127%, limit 50-125%~~, ONLY ASSOCIATED W/EB Dichlorodifluoromethane, solid @ 162% limit 50-135%, Chloroethane, solid @ 154%, limit 50- 135%, 1,1,1,2-Tetrachloroetane, solid @ 111% Limit 62-108%

5 **Res Between MDL/PQL,** Isopropylbenzene, solid A-flag page 53, Naphtalene, F- flag, page 65, Ethylbenzene solid, A-flag, m&p-Xylenes, solid, A-flag o-Xylenes, solid, A-flag 1,2,4-Trimethylbenzene solid, A-flag, sec-Butylbenzene, solid, A-flag

DAP associations *

Reviewed By
Karen Hatfield
Karen Hatfield
Project Chemist, EEG

* See attached revisions

REVISIONS

Volatile Organic Compounds
SW-846 Method 8260B
USEPA Level III Review

Site· NAS Fort Worth JRB
Laboratory· STL-Chicago
HydroGeoLogic, Inc Reviewer: Kimberly Evers

SDG #: 206097
Date· 02.08 02
Project. EEG001-01E062

ICal : Chloroethane had a %R of 32.88% and all associated results should be R qualified

ICal Spike· The ICal Spike section of the original validation report is incorrect. After reviewing the ICal Spike results in the data package, it was determined that bromochloromethane, dichlorodifluoromethane, chloromethane, bromomethane and chloroethane had %Rs that did not meet the QC requirements in the ICal Spike and all associated results should be R qualified. Carbon disulfide and vinyl acetate, listed in Appendix A of the QAPP, had % recoveries that did not meet the QC criteria, however second source calibration verification is not required on these compounds and no qualification is necessary.

Note: The ICal Spike run on 10.17.01 is only associated with the equipment blank and does not require validation. No qualification is necessary.

Continuing Calibration· Two CCVs are associated with the samples in this SDG, one on 10.18 01 (37963) and one run on 10.22.01 (37962). The %Ds were in control with the following exceptions.

37962: Bromomethane had a %D of 37%. All associated results should be R qualified.

37962: Chloroethane had a %D of 48 09%. All associated results should be R qualified.

Note: The CCV run on 10 18.01 is only associated with the equipment blank and does not require validation. No qualification is necessary.

Method Blank· The method blanks associated with the samples in this SDG were free from contamination

LCS The LCS associated with batch 37962 had all %Rs in control with the exception of dichlorodifluoromethane, chloroethane, and 1,1,1,2-tetrachloroethane which had high %Rs. All associated results are non-detect and no qualification is necessary. The LCS associated with batch 37963 is only associated with the equipment blank and does not require validation No qualification is necessary.

Field Duplicate: Field duplicate BEEGSWMU61DUP01 is associated with sample BEEGSWMU6101. All calculated RPDs meet the acceptance criteria with the exception of tetrachloroethene with had an RPD of 58%. The detections of tetrachloroethene in both the dup and the parent sample should be J qualified Naphthalene was detected below the PQL in the parent sample, however, it was not detected in the duplicate result. No qualification is necessary.

Field Blanks· Equipment blank EBEEG101601 were free from contamination and no qualification is necessary.

Qualification Summary Table

Sample ID	Analyte	Lab Val	Lab Qual	HGL Val	HGL Qual
BEEGSWMU6101	Dichlorodifluoromethane	0.8	U	0 8	R

Sample ID	Analyte	Lab Val	Lab Qual	HGL Val	HGL Qual
	Chloromethane	1	U	1	R
	Bromomethane	3	U	3	R
	Chloroethane	2	U	2	R
	Bromochloromethane	1	U	1	R
	Tetrachloroethene	110	No flag	110	J
BEEGSWMU61DUP01	Dichlorodifluoromethane	0 8	U	0.8	R
	Chloromethane	1	U	1	R
	Bromomethane	3	U	3	R
	Chloroethane	2	U	2	R
	Bromochloromethane	1	U	1	R
	Tetrachloroethene	200	No flag	200	J
BEEGSWMU6102	Dichlorodifluoromethane	0 8	U	0.8	R
	Chloromethane	1	U	1	R
	Bromomethane	3	U	3	R
	Chloroethane	2	U	2	R
	Bromochloromethane	1	U	1	R
BEEGSWMU6103	Dichlorodifluoromethane	0 7	U	0 7	R
	Chloromethane	0.9	U	0.9	R
	Bromomethane	3	U	3	R
	Chloroethane	2	U	2	R
	Bromochloromethane	1	U	1	R
BEEGSWMU6105	Dichlorodifluoromethane	0.8	U	0.8	R
	Chloromethane	1	U	1	R
	Bromomethane	3	U	3	R
	Chloroethane	2	U	2	R
	Bromochloromethane	1	U	1	R

REVISIONS
Metals
SW-846 ICP and AA Methods
USEPA Level III Review

Site: Naval Air Station Fort Worth JRB, Texas — SDG #: 206434

Laboratory. STL-Chicago — Date: 04 09.02

HydroGeoLogic, Inc. Reviewer: Kimberly Evers — Project: EEG001-01B062

Method and Calibration Blanks - The preparation blank and associated CCBs exhibited negative baseline drift for lead. The highest associated blank value was -0 2 mg/kg of lead, leading to an action level of 1 0 mg/kg All associated results for this element were greater than the action level and no qualification is necessary. The associated detections are greater than the action level and no qualification is necessary.

Equipment Blanks - Equipment blank EB110101 is associated with the samples in this SDG and was free from contamination with the exception of 4.0 µg/L of zinc, leading to an action level of 2.0 mg/kg. All associated results are greater than the action level and no qualification is necessary.

Qualification Summary Table (all values mg/kg)

Sample ID	Analyte	Lab Val	Lab Qual	HGL Val	HGL Qual
BEEGSWMU31BS2	No Qualification Necessary				
BEEGSWMU31BE2	No Qualification Necessary				
BEEGSWMU31AN2	Lead	21.4	No flag	21.4	J
BEEGSWMU31AW2	No Qualification Necessary				
BEEGSWMU31AS2	No Qualification Necessary				

LABORATORY CHRONICLE

Job Number: 206434 Date: 11/29/2001

CUSTOMER: Ellis Environmental Group, LC PROJECT: NAS FW 7020.260 ATTN: Rick Levin

Lab ID: 206434-1 Client ID: BEEGSWMU31BS2 Date Recvd: 11/02/2001 Sample Date: 11/01/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	36912		11/04/2001	1249	
3050B	Acid Digestion: Solids (GFAA)	1	37046		11/05/2001	1520	
3050B	Acid Digestion: Solids (ICAP)	1	37042		11/05/2001	1530	
7421	Lead (GFAA)	1	37241	37046	11/06/2001	1433	250
6010B	Metals Analysis (ICAP Trace)	1	37170	37042	11/06/2001	1108	

Lab ID: 206434-2 Client ID: BEEGSWMU31BE2 Date Recvd: 11/02/2001 Sample Date: 11/01/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	36912		11/04/2001	1249	
3050B	Acid Digestion: Solids (GFAA)	1	37046		11/05/2001	1520	
3050B	Acid Digestion: Solids (ICAP)	1	37042		11/05/2001	1530	
7421	Lead (GFAA)	1	37241	37046	11/06/2001	1511	250
6010B	Metals Analysis (ICAP Trace)	1	37170	37042	11/06/2001	1114	

Lab ID: 206434-3 Client ID: BEEGSWMU31AN2 Date Recvd: 11/02/2001 Sample Date: 11/01/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	36912		11/04/2001	1249	
3050B	Acid Digestion: Solids (GFAA)	1	37046		11/05/2001	1520	
3050B	Acid Digestion: Solids (ICAP)	1	37042		11/05/2001	1530	
7421	Lead (GFAA)	1	37241	37046	11/06/2001	1524	50
6010B	Metals Analysis (ICAP Trace)	1	37170	37042	11/06/2001	1120	

Lab ID: 206434-4 Client ID: BEEGSWMU31AW2 Date Recvd: 11/02/2001 Sample Date: 11/01/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	36912		11/04/2001	1249	
3050B	Acid Digestion: Solids (GFAA)	1	37046		11/05/2001	1520	
3050B	Acid Digestion: Solids (ICAP)	1	37042		11/05/2001	1530	
7421	Lead (GFAA)	1	37241	37046	11/06/2001	1809	25
6010B	Metals Analysis (ICAP Trace)	1	37170	37042	11/06/2001	1126	

Lab ID: 206434-5 Client ID: BEEGSWMU31AS2 Date Recvd: 11/02/2001 Sample Date: 11/01/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	36912		11/04/2001	1249	
3050B	Acid Digestion: Solids (GFAA)	1	37046		11/05/2001	1520	
3050B	Acid Digestion: Solids (ICAP)	1	37042		11/05/2001	1530	
7421	Lead (GFAA)	1	37241	37046	11/06/2001	1556	250
6010B	Metals Analysis (ICAP Trace)	1	37170	37042	11/06/2001	1132	

Lab ID: 206434-6 Client ID: EEGEB110101 Date Recvd: 11/02/2001 Sample Date: 11/01/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
3010A	Acid Digestion (ICAP)	1	37404		11/08/2001	0940	
3020A(M)	Acid Digestion + H2O2 (GFAA)	1	37915		11/13/2001	1445	
7041	Antimony (GFAA)	1	38488	37915	11/16/2001	1948	
7191	Chromium (GFAA)	1	38866	37915	11/21/2001	1809	
7421	Lead (GFAA)	1	38151	37915	11/14/2001	1956	
6010B	Metals Analysis (ICAP Trace)	1	37713	37404	11/10/2001	1532	
7740	Selenium (GFAA)	1	38462	37915	11/16/2001	1559	
7841	Thallium (GFAA)	1	38177	37915	11/15/2001	1330	

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VALIDATION REPORT FOR NAS-FT. WORTH
Job/Lab # **206434 (Soil) Revised 3-19-02**
METHOD 6010B/ICAP METALS STL-CHICAGO

QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA
Chain of Custody	Y	Y	Each Set of Samples	Complete and Accurate
Holding Time	Y	Y	6 Months	Within Guidelines
Initial Calibration	Y	Y	Daily, 1 STD = Blank	None
ICB and CCB	Y	Y	First, Every 10, End	None > PQL, or < -PQL
ICV and CCV	Y	Y	Begin, Every 10, End	10%
ICS	Y	Y	Begin, End, or 2X in 8 Hr	20%
LCS	Y	Y	One per Batch	Lab Criteria
Post Digestion Spike (AS)	N	Y	Dilution Test Fails	1:5 Dil. Within 10%
MS/MSD	N	Y	1 per Matrix per Site	Lab Criteria
Results between MDL&RL	Y	Lab Flag F	None	None
Method Blank	Y	Y	One per Batch	None > PQL
Field Equipment Blank	Y	Y	One per Sampling Day	None
Field Duplicate	N	Y	10% of environmental samples	None

All QC criteria were within the control limits.

Reviewed by,
Karen Hatfield
Karen Hatfield, EEG CHEMIST

VALIDATION REPORT FOR NAS-FT. WORTH
Job/Lab # **206434 (Soil) Revised 3-19-02**
METHOD 7000A/GFAA METALS STL-CHICAGO

QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA
Chain of Custody (COC)	Y	Y	Each Set of Samples	Complete and Accurate
Holding Time	Y	Y	6 Months	Within Guidelines
Initial Cal (3 & Blk)	Y	Y	Daily at Beginning	C.C. =0.995
ICB and CCB	Y	Y	Beginning, Every 10, End	>PQL, no Negative Sig.
ICV & CCV	Y	Y	Beginning, Every 10, End	20% of Value
Method Blank	Y	Y N *	One per Batch	<PQL, No Neg. Analytes
LCS	Y	Y	One per Batch	See Table
Post Digestion Spike (AS)	Y	Lab Flag W - #1	Once per Sample	85-115%
MS/MSD	N	Y	Not Required for Metals	See Table
Results between MDL&RL	N	Y	None	None
Field Equipment Blank	Y	Y	One per Day per Matrix	None
Field Duplicate	N	Y	10% of environmental samples	None

#1) Samples;
BEEGSWMU31AN2 (206434-3) Pb 21.40J
flagged 'J' estimated due to out-of-control PDS sample.

Reviewed by, Karen Hatfield
Karen Hatfield, EEG CHEMIST

* See Attached revisions

VALIDATION REPORT FOR NAS-FT WORTH
Job/Lab # **206687 (Soil)**
METHOD 7000A/GFAA METALS STL-CHICAGO

QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA
Chain of Custody (COC)	Y	Y	Each Set of Samples	Complete and Accurate
Holding Time	Y	Y	6 Months	Within Guidelines
Initial Cal.(3 & Blk)	Y	Y	Daily at Beginning	C.C. =0.995
ICB and CCB	Y	Y	Beginning, Every 10, End	>PQL, no Negative Sig.
ICV & CCV	Y	Y	Beginning, Every 10, End	20% of Value
Method Blank	Y	Y	One per Batch	<PQL, No Neg Analytes
LCS	Y	Y	One per Batch	See Table
Post Digestion Spike (AS)	Y	Y	Once per Sample	85-115%
MS/MSD	N	NR	Not Required for Metals	See Table
Results between MDL&RL	N	Y	None	None
Field Equipment Blank	Y	Y	One per Day per Matrix	None
Field Duplicate	N	NR	10% of environmental samples	None

This SDG was analyzed for lead only. All blanks are <2 so no qualification is needed for the blanks. PDS ranged from 92% to 111% and are all acceptable. All other QC criteria were in control.
One sample (BEEGTA7BF2) was analyzed for leachable lead. All blanks were <2 and the PDS was in control
All other QC criteria were in control, so no qualification is needed.

Reviewed by,
Karen Hatfield
Karen Hatfield, EEG CHEMIST

SEVERN TRENT SERVICES

STL Chicago

733 462

SAMPLE INFORMATION

Date: 12/14/2001

Job Number.: 206687
Customer...: Ellis Environmental Group, LC
Attn.....: Rick Levin

Project Number.....: 20001239
Customer Project ID....: AFC001-7020.360
Project Description....: NAS Ft. Worth

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
206687-1	BEEGTA7BF2	Soil	11/14/2001	11:45	11/15/2001	09:30
206687-2	BEEGTA7BN3	Soil	11/14/2001	11:10	11/15/2001	09:30
206687-3	BEEGTA7BS3	Soil	11/14/2001	11:25	11/15/2001	09:30
206687-4	BEEGTA7BW3	Soil	11/14/2001	11:00	11/15/2001	09:30
206687-5	BEEGTA7BE3	Soil	11/14/2001	11:20	11/15/2001	09:30
206687-6	BEEGTA9BE3	Soil	11/14/2001	14:45	11/15/2001	09:30
206687-7	BEEGTA7AF2	Soil	11/14/2001	12:10	11/15/2001	09:30
206687-8	BEEGSWMU12CF2A	Soil	11/14/2001	10:25	11/15/2001	09:30
206687-9	EB111401	Water	11/14/2001	16:00	11/15/2001	09:30

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VALIDATION REPORT FOR NAS-FT. WORTH
Job/Lab # **206648 (Soil) Revised 3-19-02**
METHOD 6010B/ICAP METALS STL-CHICAGO

QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA
Chain of Custody	Y	Y	Each Set of Samples	Complete and Accurate
Holding Time	Y	Y	6 Months	Within Guidelines
Initial Calibration	Y	Y	Daily, 1 STD = Blank	None
ICB and CCB	Y	N - #2	First, Every 10, End	None > PQL, or < -PQL
ICV and CCV	Y	Y	Begin, Every 10, End	10%
ICS	Y	Y	Begin, End, or 2X in 8 Hr	20%
LCS	Y	Y	One per Batch	Lab Criteria
Post Digestion Spike (AS)	N	Y	Dilution Test Fails	1 5 Dil. Within 10%
MS/MSD	N	Y	1 per Matrix per Site	Lab Criteria
Results between MDL&RL	Y	Lab Flag F - #1	None	None
Method Blank	Y	N - #2	One per Batch	None > PQL
Field Equipment Blank	Y	Y	One per Sampling Day	None
Field Duplicate	Y	Y	10% of environmental samples	None

#1) Samples;
WEEGTA002 (206648-1) ~~Al 133J, As 20.6J, Ba 164J, Co 2.0J, Cu 6.6J~~ All left as "F" KLH
BEEGSWMU31BES1 (206648-12) Ba 37.2J
~~BEEGSWMU31AS3F (206648-13) Cd 0.18J~~ Leave as "F" KLH
~~BEEGSWMU31AS3 (206648-16) Cd 0.28J~~ Leave as "F" KLH
~~BEEGSWMU31AS3E1 (206648-17) Cd 0.27J~~ Leave as "F" KLH
~~BEEGSWMU31BE3F (206648-18) Cd 0.48J, Zn 27.5J~~ Leave as "F" KLH
~~BEEGSWMU31BE3 (206648-19) Cd 0.31J, Zn 26.0J~~ Leave as "F" KLH
~~EB111301 (206648-20) Ba 2.9J, Zn 10 4J~~ Don't flag blank KLH
~~flagged 'J' estimated, because results were between MDL&RL~~
#2) Associated CCB or MB had detections of the following analytes also found in the associated samples. aluminum 72, action level 360: beryllium -0.6, action level 3· cadmium -0.7, action level 3.5: copper 5.4, action level 27 and zinc 12.2, action level 61
WEEGTA002 (206648-1) Be 0.29UJ, Cd 0.32UJ
BEEGSWMU31BES1 (206648-12) Cd 1.2U, Zn 37.5U
~~BEEGSWMU31AS3F (206648-13) Cd 0.18U~~ Leave as "F"
BEEGSWMU31AS3W1 (206648-14) Cd 0 63U
BEEGSWMU31BE3N1 (206648-15) Cd 1.7U, Zn 38.9U

Reviewde by,
Karen Hatfield
Karen Hatfield,EEG CHEMIST

VALIDATION REPORT FOR NAS-FT WORTH
Job/Lab # **206648 (Soil)**
METHOD 7000A/GFAA METALS STL-CHICAGO

QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA
Chain of Custody (COC)	Y	Y	Each Set of Samples	Complete and Accurate
Holding Time	Y	Y	6 Months	Within Guidelines
Initial Cal.(3 & Blk)	Y	Y	Daily at Beginning	C.C =0.995
ICB and CCB	Y	Y	Beginning, Every 10, End	>PQL, no Negative Sig.
ICV & CCV	Y	Y	Beginning, Every 10, End	20% of Value
Method Blank	Y	Y	One per Batch	<PQL, No Neg. Analytes
LCS	Y	Y	One per Batch	See Table
Post Digestion Spike (AS)	Y	Lab Flag W - #1	Once per Sample	85-115%
MS/MSD	N	Y	Not Required for Metals	See Table
Results between MDL&RL	Y	Lab Flag F - #2	None	None
Field Equipment Blank	Y	Y	One per Day per Matrix	None
Field Duplicate	Y	Y	10% of environmental samples	None

#1) Samples;
WEEGTA002 (206648-1) Sb 2.8UJ, ~~Cr 2.1J~~ Leave as "F", Se 1.8UJ
~~EB111301~~ ~~(206648-20 Cr 2.0UJ~~ Don't ~~qualify~~ qualify blank KH
flagged 'J' estimated due to out-of-control PDS sample.
#2) Sample;.
WEEGTA002 (206648-1) ~~Cr 2.1J~~ Leave as "F" KH
flagged 'J' estimated, because results were between MDL&RL

Reviewed by,
Karen Hatfield
Karen Hatfield, EEG CHEMIST

VALIDATION REPORT FOR NAS-FT. WORTH
Job/Lab # **206648 (Soil)**
METHOD 7 70A/7471A/Hg STL-CHICAGO

QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA
Chain of Custody	Y	Y	Each Set of Samples	Complete and Accurate
Holding Time	Y	Y	28 Days	Within Guidelines
Initial Cal.(5 & Blk)	Y	Y	Daily at Beginning	C C. =0.995
ICB and CCB	Y	Y	Beginning, Every 10, End	>PQL, no Negative Sig.
ICV and CCV	Y	Y	Every 10, End	20% of Value
Method Blank	N	Y	One per Batch	<PQL, No Neg. Analytes
LCS	Y	Y	One per Batch	Lab Limits
Post Digestion Spike (AS)	N	Y	When Matrix check fails	85-115%
MS/MSD	N	Y	One per Batch	Lab Limits
Results between MDL&RL	N	Y	None	None
Field Equipment Blank	Y	Y	One per day per medium	None
Field Duplicate	N	Y	10% of environmental samples	None

One sample was analyzed for mercury and all QC criteria are in control

Reviewed by,
Karen Hatfield
Karen Hatfield, EEG CHEMIST

Reviewed By

Karen Hatfield
Project Chemist

SEVERN TRENT SERVICES

STL Chicago

733 466

SAMPLE INFORMATION

Date: 12/13/2001

Job Number.: 206648
Customer...: Ellis Environmental Group, LC
Attn.....: Rick Levin

Project Number.....: 20001239
Customer Project ID....: NAS FW 7020.260
Project Description....: NAS Ft. Worth

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
206648-1	WEEGTA002	Water	11/12/2001	15:15	11/14/2001	09:30
206648-2	BEEGSWMU12BN3	Soil	11/13/2001	15:15	11/14/2001	09:30
206648-3	BEEGSWMU12BE3	Soil	11/13/2001	15:20	11/14/2001	09:30
206648-4	BEEGSWMU12CF2	Soil	11/13/2001	15:30	11/14/2001	09:30
206648-5	BEEGSWMU12CF2-DUP	Soil	11/13/2001	15:33	11/14/2001	09:30
206648-6	BEEGTA2AN2	Soil	11/13/2001	13:55	11/14/2001	09:30
206648-7	BEEGTA2AE2	Soil	11/13/2001	14:36	11/14/2001	09:30
206648-8	BEEGTA2AW3	Soil	11/13/2001	14:10	11/14/2001	09:30
206648-9	BEEGTA2AW4	Soil	11/13/2001	14:30	11/14/2001	09:30
206648-10	BEEGTA2AS2	Soil	11/13/2001	14:40	11/14/2001	09:30
206648-11	TB111301	Water	11/12/2001	15:15	11/14/2001	09:30
206648-12	BEEGSWMU31BES1	Soil	11/13/2001	11:45	11/14/2001	09:30
206648-13	BEEGSWMU31AS3F	Soil	11/13/2001	13:05	11/14/2001	09:30
206648-14	BEEGSWMU31AS3W1	Soil	11/13/2001	12:55	11/14/2001	09:30
206648-15	BEEGSWMU31BE3N1	Soil	11/13/2001	11:45	11/14/2001	09:30
206648-16	BEEGSWMU31AS3	Soil	11/13/2001	13:10	11/14/2001	09:30
206648-17	BEEGSWMU31AS3E1	Soil	11/13/2001	12:45	11/14/2001	09:30
206648-18	BEEGSWMU31BE3F	Soil	11/13/2001	11:15	11/14/2001	09:30
206648-19	BEEGSWMU31BE3	Soil	11/13/2001	11:15	11/14/2001	09:30
206648-20	EB111301	Water	11/13/2001	17:00	11/14/2001	09:30

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733 467

received

VALIDATION REPORT FOR NAS-FT. WORTH
SDG# 206648
METHOD 8260B/VOLATILES LOT #STL-CHICAGO

Date: 02-12-02				
Sample: WEEGTA002	**BATCH: 30093**			
QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA
WATER				
Chain of Custody	Y	Y	Each Set of Samples	Complete and Accurate
Holding Time	Y	Y	14 Days	Within Guidelines
Preservation	Y	Y	Every Vial	HCL <2 Ph
Temperature Blank	Y	Y	(1) per cooler	4 degrees C +/- 2
5 Point Cal/Initial Cal	Y	Y	Initial Cal	SPCC RRF>0.30
				%RSD = <15%, (30%)
				CC = 0.995 (5)
ICAL SPIKE				
2nd source Cal Verf.	Y	See Comment 2	One Per 5 Point	25%
Cont. Cal. Verf	Y	See Comment 3	Daily, 12 Hrs	SPCC RF >0 30
				CCC<20% 25%
BFB	Y	Y	Before IC and CV	See Criteria
Internal Std	Y	Y	Every Sample	RT = 30seconds
				EICP = -50% to +100%
				12 Hrs.
Method Blank	Y	Y	One Per Batch	None>PQL
Equipment Blank	Y	Y	One Per Batch	
Trip Blank	Y	Y	One Per Batch	
Field Duplicates	N	NR	10 % of samples	
LCS	Y	See Comment 1	One Per Batch	See Table
Surrogates	Y	Y	All Samples	See Table
Res. Between MDL/PQL	Y	Y	None	None
MS/MSD	N	Y	As Req. by FSP	Lab Criteria

NQ No Qualification Required, NR=None-Requested

1) LCS, Batch 39090, 2,2, Dichloropropane @ 126% exceeded the 125% limit, Qualify R

2) Ical Spike, Batch 39093, see the attached table for compounds that were outsude the limits for the ICALSPIKE Qualify all associated compounds R

3) CCV, Batch 39093, 26-Nov-2001, Two compounds of concern exceeded the 25% D limit. Dichlorodifluoromethane and Bromomethane, Qualify the compounds R

Reviewed By
Karen Hatfield
Karen Hatfield
Project Chemist, EEG

TRENT SERVICES

STL Chicago

733 468

LABORATORY CHRONICLE

Job Number: 206648 Date: 12/10/2001

CUSTOMER: Ellis Environmental Group, LC PROJECT: NAS FW 7020.260 ATTN: Rick Levin

Lab ID: 206648-1 Client ID: WEEGTA002 Date Recvd: 11/14/2001 Sample Date: 11/12/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030A	5030 25 mL Purge Prep	1	39003		11/26/2001	1535	
5030A	5030 25 mL Purge Prep	2	39003		11/26/2001	2011	
8260B	Volatile Organics	1	39093	39003	11/26/2001	1535	1.00000
8260B	Volatile Organics	1	39093	39003	11/26/2001	2011	50.0000

Lab ID: 206648-2 Client ID: BEEGSWMU12BN3 Date Recvd: 11/14/2001 Sample Date: 11/13/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	38053		11/14/2001	1520	

Lab ID: 206648-3 Client ID: BEEGSWMU12BE3 Date Recvd: 11/14/2001 Sample Date: 11/13/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	38053		11/14/2001	1520	

Lab ID: 206648-4 Client ID: BEEGSWMU12CF2 Date Recvd: 11/14/2001 Sample Date: 11/13/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	38053		11/14/2001	1520	

Lab ID: 206648-5 Client ID: BEEGSWMU12CF2-DUP Date Recvd: 11/14/2001 Sample Date: 11/13/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	38053		11/14/2001	1520	

Lab ID: 206648-6 Client ID: BEEGTA2AN2 Date Recvd: 11/14/2001 Sample Date: 11/13/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	38053		11/14/2001	1520	

Lab ID: 206648-7 Client ID: BEEGTA2AE2 Date Recvd: 11/14/2001 Sample Date: 11/13/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	38053		11/14/2001	1520	

Lab ID: 206648-8 Client ID: BEEGTA2AW3 Date Recvd: 11/14/2001 Sample Date: 11/13/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	38053		11/14/2001	1520	

Lab ID. 206648-9 Client ID: BEEGTA2AW4 Date Recvd: 11/14/2001 Sample Date: 11/13/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	38053		11/14/2001	1520	

Lab ID: 206648-10 Client ID: BEEGTA2AS2 Date Recvd: 11/14/2001 Sample Date. 11/13/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	38053		11/14/2001	1520	

Lab ID. 206648-11 Client ID: T8111301 Date Recvd: 11/14/2001 Sample Date: 11/12/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030A	5030 25 mL Purge Prep	1	39003		11/26/2001	1434	
8260B	Volatile Organics	1	39093	39003	11/26/2001	1434	1.00000

Lab ID: 206648-12 Client ID: BEEGSWMU31BES1 Date Recvd: 11/14/2001 Sample Date: 11/13/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	38053		11/14/2001	1520	

Lab ID: 206648-13 Client ID: BEEGSWMU31AS3F Date Recvd: 11/14/2001 Sample Date: 11/13/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	38053		11/14/2001	1520	

Lab ID: 206648-14 Client ID: BEEGSWMU31AS3W Date Recvd: 11/14/2001 Sample Date: 11/13/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	38053		11/14/2001	1520	

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VALIDATION REPORT FOR NAS-FT WORTH
SDG# 206648
METHOD SW8270C/SVOA LOT #STL-CHICAGO

Date 2-14-02				
QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA
SO				
Relevant samples: WEEGTA002, BEEGTA2AW4				
BATCH 38909, 38921				
Chain of Custody	Y	Y	Each Set Of Samples	Complete & Accurate
Holding Time	Y	Y	7 day ext /40 day analyze	Must Be Within Guidelines
Preservation	Y	Y	Every Vial	No air bubbles
Temperature Blank	Y	Y	(1) per cooler	4 degrees C +/- 2
5-Point Int Cal /INT.CAL	Y	Y	Prior to Sample Analysis	SPCC avg RRF >/= 0.05
				%RSD for CCC </= 30%
				mean/RSD <15% no anal > 30%
				r> 0 995 (5)or r> 0 990(6,7)
ICAL SPIKE				
2nd Source Cal Verf.	Y	See comment 2	Once Per 5 Point Cal	Within +/- 25%
Cont Cal Verification	Y	Y	Daily and Every 12 Hrs	SPCC RRF >/= 0 05 and
				each CCC < 20% drift
				cal. Within +/- 25%
Check DFTPP	Y	Y	Prior To Int. Cal and Cal. Verf	
nte Standards	Y	Y	Every Sample	
Method Blank	Y	Y	One Per Batch	None>PQL
Equipment Blank	EB111301	Y	One Per Batch	
	206648-20			
Trip Blank	N	NR	One Per Batch	
Field Duplicates	Y	Y	10 % of samples	
LCS	Y	See comment 1	One Per Batch	See Table Attached
Surrogate Spike	Y	Y	Every Sample	See Table Attached
MS/MSD	N	NR	See Attached Table	See Table Attached
Res.Between MDL/PQL	Y	Y	None	None

1) LCS, page 20, Batch 38921, Samples: ~~EB111301~~ GCL4 and WEEGTA 002, The following compounds were below limits Hexachlorocyclopentadiene @ 9%, limits 10-125%. Qualify R Also qualify Di-n-octylphthalate for LCS with R
2) ICALSPIKE, Sample: WEEGTA002, GCL4, Di-n-octylphtalate @ 128 80% exceeded the 125% limit, qualify R. (147%)
No exceedences for BEEGTA2AW4, Bis(2-ethylhexyl)phalate is the only compound of concern.

Reviewed By
Karen Hatfield
Karen Hatfield,
Project Chemist, EEG

SEVERN TRENT SERVICES

STL Chicago

733 470

LABORATORY CHRONICLE

Job Number: 206648 Date: 12/14/2001

CUSTOMER: Ellis Environmental Group, LC PROJECT: NAS FW 7020.260 ATTN: Rick Levin

Lab ID: 206648-1 Client ID: WEEGTA002 Date Recvd: 11/14/2001 Sample Date: 11/12/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
3520C	Extraction Continuous Liq/Liq (SVOC)	1	38303		11/15/2001	0935	
8270C	Semivolatile Organics	1	38921	38303	11/20/2001	1811	1.00000

Lab ID: 206648-2 Client ID: BEEGSWMU12BN3 Date Recvd: 11/14/2001 Sample Date: 11/13/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	38053		11/14/2001	1520	

Lab ID: 206648-3 Client ID: BEEGSWMU12BE3 Date Recvd: 11/14/2001 Sample Date: 11/13/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	38053		11/14/2001	1520	

Lab ID: 206648-4 Client ID: BEEGSWMU12CF2 Date Recvd: 11/14/2001 Sample Date: 11/13/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	38053		11/14/2001	1520	

Lab ID: 206648-5 Client ID: BEEGSWMU12CF2-DUP Date Recvd: 11/14/2001 Sample Date: 11/13/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	38053		11/14/2001	1520	

Lab ID: 206648-6 Client ID: BEEGTA2AN2 Date Recvd: 11/14/2001 Sample Date: 11/13/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	38053		11/14/2001	1520	

Lab ID: 206648-7 Client ID: BEEGTA2AE2 Date Recvd: 11/14/2001 Sample Date: 11/13/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	38053		11/14/2001	1520	

Lab ID: 206648-8 Client ID: BEEGTA2AW3 Date Recvd: 11/14/2001 Sample Date: 11/13/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	38053		11/14/2001	1520	
3550B	Extraction Ultrasonic (SVOC)	1	38528		11/15/2001	1800	
8270C	Semivolatile Organics	1	38909	38528	11/17/2001	0118	1.00000

Lab ID: 206648-9 Client ID: BEEGTA2AW4 Date Recvd: 11/14/2001 Sample Date: 11/13/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	38053		11/14/2001	1520	
3550B	Extraction Ultrasonic (SVOC)	1	38528		11/15/2001	1800	
8270C	Semivolatile Organics	1	38909	38528	11/17/2001	0148	1.00000

Lab ID: 206648-10 Client ID: BEEGTA2AS2 Date Recvd: 11/14/2001 Sample Date: 11/13/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	38053		11/14/2001	1520	
3550B	Extraction Ultrasonic (SVOC)	1	38528		11/15/2001	1800	
8270C	Semivolatile Organics	1	38909	38528	11/20/2001	1841	1.00000

Lab ID: 206648-12 Client ID: BEEGSWMU31BES1 Date Recvd: 11/14/2001 Sample Date: 11/13/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	38053		11/14/2001	1520	

Lab ID: 206648-13 Client ID: BEEGSWMU31AS3F Date Recvd: 11/14/2001 Sample Date: 11/13/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	38053		11/14/2001	1520	

Lab ID: 206648-14 Client ID: BEEGSWMU31AS3W1 Date Recvd: 11/14/2001 Sample Date: 11/13/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	38053		11/14/2001	1520	

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VALIDATION REPORT FOR NAS-FT. WORTH
Job/Lab # **206741 (Soil)**
METHOD 7000A/GFAA METALS STL-CHICAGO

Received 3-21-0

QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA
Chain of Custody (COC)	Y	Y	Each Set of Samples	Complete and Accurate
Holding Time	Y	Y	6 Months	Within Guidelines
Initial Cal.(3 & Blk)	Y	Y	Daily at Beginning	C C =0.995
ICB and CCB	Y	Y	Beginning, Every 10, End	>PQL, no Negative Sig.
ICV & CCV	Y	Y	Beginning, Every 10, End	20% of Value
Method Blank	Y	Y	One per Batch	<PQL, No Neg Analytes
LCS	Y	Y	One per Batch	See Table
Post Digestion Spike (AS)	Y	Y	Once per Sample	85-115%
MS/MSD	N	Y	Not Required for Metals	See Table
Results between MDL&RL	N	Y	None	None
Field Equipment Blank	Y	Y	One per Day per Matrix	None
Field Duplicate	N	Y	10% of environmental samples	None

Samples were analyzed for lead only All blanks and PDS were in control All other QC passed the criteria

Reviewed by,
Karen Hatfield
Karen Hatfield, EEG CHEMIST

SEVERN TRENT SERVICES

STL Chicago

LABORATORY CHRONICLE

Job Number: 206741 Date: 12/17/2001

CUSTOMER: Ellis Environmental Group, LC PROJECT: NAS FW 7020.260 ATTN: Rick Levin

Lab ID: 206741-6 Client ID: BEEGTA6AN3 Date Recvd: 11/17/2001 Sample Date: 11/16/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	38541		11/20/2001	0020	
3050B	Acid Digestion: Solids (GFAA)	1	38426		11/19/2001	1005	
7421	Lead (GFAA)	1	38713	38426	11/20/2001	1437	40

Lab ID: 206741-7 Client ID: BEEGTA6AS3 Date Recvd: 11/17/2001 Sample Date: 11/16/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	38541		11/20/2001	0020	
3050B	Acid Digestion: Solids (GFAA)	1	38426		11/19/2001	1005	
7421	Lead (GFAA)	1	38713	38426	11/20/2001	1447	40

Lab ID: 206741-8 Client ID: BEEGTA6AE3 Date Recvd: 11/17/2001 Sample Date: 11/16/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	38541		11/20/2001	0020	
3050B	Acid Digestion: Solids (GFAA)	1	38426		11/19/2001	1005	
7421	Lead (GFAA)	1	38713	38426	11/20/2001	1224	20

Lab ID: 206741-9 Client ID: BEEGTA6AW3 Date Recvd: 11/17/2001 Sample Date: 11/16/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	38541		11/20/2001	0020	
3050B	Acid Digestion: Solids (GFAA)	1	38426		11/19/2001	1005	
7421	Lead (GFAA)	1	38713	38426	11/20/2001	1244	100

Lab ID: 206741-10 Client ID: EB111601A Date Recvd: 11/17/2001 Sample Date: 11/16/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
3020A(M)	Acid Digestion with H202 (GFAA)	1	39286		11/29/2001	0935	
7421	Lead (GFAA)	1	39518	39286	11/30/2001	1409	

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VALIDATION REPORT FOR NAS-FT. WORTH

JOB# 206741

METHOD 8260B/VOLATILES LOT #STL-CHICAGO

received 3-13-02

Date: 1-10-02				
QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA
WATER				
[illegible]CH 39397				
Chain of Custody	Y	Y	Each Set of Samples	Complete and Accurate
Holding Time	Y	Y	14 Days	Within Guidelines
Preservation	Y	Y	Every Vial	HCL <2 Ph
Temperature Blank	Y	Y	(1) per cooler	4 degrees C +/- 2
5 Point Cal	Y	Y	Initial Cal.	SPCC RRF>0.30
				%RSD = <15%, (30%)
				CC = 0.995 (5)
ICAL SPIKE				
2nd source Cal Verf.	Y	Y	One Per 5 Point	25%
Cont Cal. Verf.	Y	Y	Daily, 12 Hrs.	SPCC RF >0.30
				CCC<20%. 25%
BFB	Y	Y	Before IC and CV	See Criteria
Internal Std.	Y	Y	Every Sample	RT = 30seconds
				EICP = -50% to +100%
				12 Hrs.
Method Blank	Y	Y	One Per Batch	None>PQL
Equipment Blank	N	Y	One Per Batch	
Trip Blank	N	NR	One Per Batch	
Field Duplicates	N	NR	10 % of samples	
LCS	Y	Y	One Per Batch	See Table
Surrogates	Y	Y	All Samples	See Table
Res. Between MDL/PQL	Y	Y	None	None
MS/MSD	N	Y	As Req. by FSP	Lab Criteria

NQ: No Qualification Required, NR=None-Requested

Trichloroethene and tetrachloroethene are the only compounds of concern. No qualifcation is required. QC data is acceptable.

Reviewed By

Karen Hatfield

Karen Hatfield

Project Chemist, EEG

SEVERN TRENT SERVICES

STL Chicago

733 474

LABORATORY CHRONICLE

Job Number: 206741 Date: 12/14/2001

CUSTOMER: Ellis Environmental Group, LC PROJECT: NAS FW 7020.260 ATTN: Rick Levin

Lab ID: 206741-1 Client ID: WHGLTA034 Date Recvd: 11/17/2001 Sample Date: 11/16/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030A	5030 25 mL Purge Prep	1	39392		11/29/2001	1332	
8260B	Volatile Organics	1	39397	39392	11/29/2001	1332	1.00000

Lab ID: 206741-2 Client ID: WHGLTA035 Date Recvd: 11/17/2001 Sample Date: 11/16/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030A	5030 25 mL Purge Prep	1	39392		11/29/2001	1400	
8260B	Volatile Organics	1	39397	39392	11/29/2001	1400	1.00000

Lab ID: 206741-3 Client ID: SD1305 Date Recvd: 11/17/2001 Sample Date: 11/16/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030A	5030 25 mL Purge Prep	1	39392		11/29/2001	1428	
8260B	Volatile Organics	1	39397	39392	11/29/2001	1428	1.00000

Lab ID: 206741-4 Client ID: TB111601 Date Recvd: 11/17/2001 Sample Date: 11/16/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030A	5030 25 mL Purge Prep	1	39392		11/29/2001	1238	
8260B	Volatile Organics	1	39397	39392	11/29/2001	1238	1.00000

Lab ID: 206741-5 Client ID: EB111601 Date Recvd: 11/17/2001 Sample Date: 11/16/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030A	5030 25 mL Purge Prep	1	39392		11/29/2001	1305	
8260B	Volatile Organics	1	39397	39392	11/29/2001	1305	1.00000

Lab ID: 206741-6 Client ID: BEEGTA6AN3 Date Recvd: 11/17/2001 Sample Date: 11/16/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	38541		11/20/2001	0020	

Lab ID: 206741-7 Client ID: BEEGTA6AS3 Date Recvd: 11/17/2001 Sample Date: 11/16/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	38541		11/20/2001	0020	

Lab ID: 206741-8 Client ID: BEEGTA6AE3 Date Recvd: 11/17/2001 Sample Date: 11/16/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	38541		11/20/2001	0020	

Lab ID: 206741-9 Client ID: BEEGTA6AW3 Date Recvd: 11/17/2001 Sample Date: 11/16/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	38541		11/20/2001	0020	

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VALIDATION REPORT FOR NAS-FT. WORTH
Job/Lab # **206883**
METHOD 7000A/GFAA METALS STL-CHICAGO

QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA
Chain of Custody (COC)	Y	Y	Each Set of Samples	Complete and Accurate
Holding Time	Y	Y	6 Months	Within Guidelines
Initial Cal.(3 & Blk)	Y	Y	Daily at Beginning	C.C. =0 995
ICB and CCB	Y	Y	Beginning, Every 10, End	>PQL, no Negative Sig.
ICV & CCV	Y	Y	Beginning, Every 10, End	20% of Value
Method Blank	Y	Y	One per Batch	<PQL, No Neg. Analytes
LCS	Y	Y	One per Batch	See Table
Post Digestion Spike (AS)	Y	Y	Once per Sample	85-115%
MS/MSD	N	NR	Not Required for Metals	See Table
esults between MDL&RL	N	Y	None	None
Field Equipment Blank	Y	Y	One per Day per Matrix	None
Field Duplicate	N	NR	10% of environmental samples	None

This SDG was analyzed for Leachable lead only All blanks were <2 and three PDS were outside the limits BEEGSWMU12BN2 @130%, BEEGSWMU12BE2 @130% and BEEGSWMU12CE1 @117%. BEEGSWMU12BE2 will be ~~qualifiel"R"~~. All other QC criteria were in control.
qualified J

Reviewed by,
Karen Hatfield
Karen Hatfield, EEG CHEMIST

SEVERN TRENT SERVICES

STL Chicago

733 476

SAMPLE INFORMATION

Date: 12/27/2001

Job Number.: 206883
Customer...: Ellis Environmental Group, LC
Attn.....: Rick Levin

Project Number.....: 20001239
Customer Project ID....: NAS FW 7020
Project Description....: NAS Ft. Worth

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
206883-1	BEEGTA9BE2	Soil	11/06/2001	10:30	11/28/2001	08:00
206883-2	BEEGSWMU12BN2	Soil	11/06/2001	16:10	11/28/2001	08:00
206883-3	BEEGSWMU12BE2	Soil	11/06/2001	16:15	11/28/2001	08:00
206883-4	BEEGSWMU12CE1	Soil	10/18/2001	11:40	11/28/2001	08:00
206883-5	BEEGTA2AN2	Soil	11/13/2001	13:55	11/28/2001	08:00
206883-6	BEEGSWMU31BES1	Soil	11/13/2001	11:45	11/28/2001	08:00
206883-7	BEEGSWMU31AS3W1	Soil	11/13/2001	12:55	11/28/2001	08:00
206883-8	BEEGTA7BW3	Soil	11/14/2001	11:00	11/28/2001	08:00
206883-9	BEEGTA6AS2	Soil	11/08/2001	11:30	11/28/2001	08:00
206883-10	BEEGTA6AW2	Soil	11/08/2001	11:35	11/28/2001	08:00

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VALIDATION REPORT FOR NAS-FT. WORTH
Job/Lab # **206947 (Soil)**
METHOD 7000A/GFAA METALS STL-CHICAGO

QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA
Chain of Custody (COC)	Y	Y	Each Set of Samples	Complete and Accurate
Holding Time	Y	Y	6 Months	Within Guidelines
Initial Cal.(3 & Blk)	Y	Y	Daily at Beginning	C C. =0 995
ICB and CCB	Y	Y	Beginning, Every 10, End	>PQL, no Negative Sig.
ICV & CCV	Y	Y	Beginning, Every 10, End	20% of Value
Method Blank	Y	Y	One per Batch	<PQL, No Neg. Analytes
LCS	Y	Y	One per Batch	See Table
Post Digestion Spike (AS)	Y	Y	Once per Sample	85-115%
MS/MSD	N	NR	Not Required for Metals	See Table
esults between MDL&RL	N	Y	None	None
Field Equipment Blank	Y	Y	One per Day per Matrix	None
Field Duplicate	N	NR	10% of environmental samples	None

This SDG was analyzed for Lead and Cadmium only. For cadmium all blanks were <0.2 and all PDS were in control For lead all PDS were within the control limits All blanks were <2 except for EB113001 which contained 4 ppb resulting in a action level of 20ppb, as a result sample BEEGSWMU12CS2 was qualified with a "U". All other QC criteria were in control

Reviewed by
Karen Hatfield
Karen Hatfield, EEG CHEMIST

SEVERN TRENT SERVICES

STL Chicago

733 478

SAMPLE INFORMATION

Date: 12/31/2001

Job Number.: 206947
Customer...: Ellis Environmental Group, LC
Attn.....: Rick Levin

Project Number.....: 20001239
Customer Project ID....: AFC001-7020.360
Project Description....: NAS Ft. Worth

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
206947-1	BEEGSWMU31A54	Soil	11/29/2001	15:15	12/01/2001	09:30
206947-2	BEEGTA2AN3	Soil	11/29/2001	15:45	12/01/2001	09:30
206947-3	BEEGTA2AS3	Soil	11/29/2001	16:00	12/01/2001	09:30
206947-4	BEEGTA2AE3	Soil	11/29/2001	16:15	12/01/2001	09:30
206947-5	EB112901	Water	11/29/2001	17:00	12/01/2001	09:30
206947-6	BEEGSWMU12BN4	Soil	11/30/2001	10:30	12/01/2001	09:30
206947-7	BEEGTA6AE4	Soil	11/30/2001	11:30	12/01/2001	09:30
206947-8	BEEGTA6AW4	Soil	11/30/2001	11:40	12/01/2001	09:30
206947-9	EB113001	Water	11/30/2001	16:00	12/01/2001	09:30
206947-10	BEEGSWMU12CS2	Soil	11/30/2001	14:50	12/01/2001	09:30

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VALIDATION REPORT FOR NAS-FT. WORTH
Job/Lab # **207068**
METHOD 7000A/GFAA METALS STL-CHICAGO

QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA
Chain of Custody (COC)	Y	Y	Each Set of Samples	Complete and Accurate
Holding Time	Y	Y	6 Months	Within Guidelines
Initial Cal (3 & Blk)	Y	Y	Daily at Beginning	C.C =0 995
ICB and CCB	Y	Y	Beginning, Every 10, End	>PQL, no Negative Sig.
ICV & CCV	Y	Y	Beginning, Every 10, End	20% of Value
Method Blank	Y	Y	One per Batch	<PQL, No Neg. Analytes
LCS	Y	Y	One per Batch	See Table
Post Digestion Spike (AS)	Y	Y	Once per Sample	85-115%
MS/MSD	N	NR	Not Required for Metals	See Table
Results between MDL&RL	N	Y	None	None
Field Equipment Blank	Y	Y	One per Day per Matrix	None
Field Duplicate	Y	Y	10% of environmental samples	None

This SDG was analyzed for lead and cadmium only. For Cadminm, all blanks were <0 2 ppb and the PDS were in control excet sample BEEGSWMU31AS3W2 Had a 139% recovery and should be flagged "J". for the PDS.
For lead all blanks were <2 and all PDS were in criteria All other QC criteria is in control.

Reviewed By,
Karen Hatfield
Karen Hatfield

SEVERN TRENT SERVICES

STL Chicago

733 480

SAMPLE INFORMATION

Date: 01/04/2002

Job Number.: 207068
Customer...: Ellis Environmental Group, LC
Attn.....: Rick Levin

Project Number.....: 20001239
Customer Project ID....: AFC001-7020.360
Project Description....: NAS Ft. Worth

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
207068-1	BEEGSWMU31AS3W2	Soil	12/05/2001	09:55	12/06/2001	09:20
207068-2	BEEGSWMU31AS3W1S1	Soil	12/05/2001	10:00	12/06/2001	09:20
207068-3	BEEGSWMU31BS3	Soil	12/05/2001	10:40	12/06/2001	09:20
207068-4	BEEGSWMU318E3S2	Soil	12/05/2001	10:50	12/06/2001	09:20
207068-5	BEEGSWMU318E3S1E1	Soil	12/05/2001	11:00	12/06/2001	09:20
207068-6	BEEGSWMU31BE3N2	Soil	12/05/2001	11:10	12/06/2001	09:20
207068-7	BEEGSWMU318E3N1E1	Soil	12/05/2001	11:20	12/06/2001	09:20
207068-8	BEEGSWMU31B OUP1	Soil	12/05/2001	12:00	12/06/2001	09:20
207068-9	BEEGTA9BE4	Soil	12/05/2001	15:10	12/06/2001	09:20
207068-10	BEEGTA7BF3	Soil	12/05/2001	14:45	12/06/2001	09:20
207068-11	EB120501	Water	12/05/2001	16:00	12/06/2001	09:20

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VALIDATION REPORT FOR NAS-FT. WORTH
Job/Lab # **206972 (Soil)**
METHOD 7000A/GFAA METALS STL-CHICAGO

Received 3-15-02

QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA
Chain of Custody (COC)	Y	Y	Each Set of Samples	Complete and Accurate
Holding Time	Y	Y	6 Months	Within Guidelines
Initial Cal (3 & Blk)	Y	Y	Daily at Beginning	C.C. =0.995
ICB and CCB	Y	Y	Beginning, Every 10, End	>PQL, no Negative Sig.
ICV & CCV	Y	Y	Beginning, Every 10, End	20% of Value
Method Blank	Y	~~Y~~ N*	One per Batch	<PQL, No Neg Analytes
LCS	Y	Y	One per Batch	See Table
Post Digestion Spike (AS)	Y	Y	Once per Sample	85-115%
MS/MSD	N	NR	Not Required for Metals	See Table
Results between MDL&RL	N	Y	None	None
Field Equipment Blank	Y	Y	One per Day per Matrix	None
Field Duplicate	N	NR	10% of environmental samples	None

This SDG was analyzed for lead only. All blanks were <2 and the PDS were all in limits. All other QC criteria are in control and thus no qualification is necessary.

Reviewed by,
Karen Hatfield
Karen Hatfield, EEG CHEMIST

* Please See attached Revisions.

TRENT SERVICES

STL Chicago

733 482

SAMPLE INFORMATION

Date: 01/03/2002

Job Number.: 206972
Customer...: Ellis Environmental Group, LC
Attn.....: Rick Levin

Project Number.....: 20001239
Customer Project ID....: AFC001-7020.360
Project Description....: NAS Ft. Worth

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
206972-1	BEEGSWMU6106F2	Soil	12/03/2001	13:50	12/04/2001	09:15
206972-2	BEEGTA2AS4	Soil	12/03/2001	14:45	12/04/2001	09:15
206972-3	BEEGTA7AF3	Soil	12/03/2001	15:30	12/04/2001	09:15
206972-4	EEGEB120301	Water	12/03/2001	16:30	12/04/2001	09:15

733 483

received 2-15-02

VALIDATION REPORT FOR NAS-FT WORTH
SDG# 206972
METHOD 8260B/VOLATILES LOT #STL-CHICAGO

Date 02-12-02					
QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA	
oil					
Chain of Custody	Y	Y	Each Set of Samples	Complete and Accurate	
Holding Time	Y	Y	14 Days	Within Guidelines	
Preservation	Y	Y	Every Vial	HCL <2 Ph	
Temperature Blank	Y	Y	(1) per cooler	4 degrees C +/- 2	
5 Point Cal/Initial Cal	Y	Y	Initial Cal	SPCC RRF>0 30	
				%RSD = <15%, (30%)	
				CC = 0 995 (5)	
ICAL SPIKE					
2nd source Cal. Verf.	Y	See Comment 4	One Per 5 Point	25%	
Cont. Cal Verf.	Y	See Comment 3	Daily, 12 Hrs	SPCC RF >0 30	
				CCC<20% 25%	
BFB	Y	Y	Before IC and CV	See Criteria	
Internal Std	Y	Y	Every Sample	RT = 30seconds	
				EICP = -50% to +100%	
				12 Hrs	
Method Blank	Y	Y	One Per Batch	None>PQL	
Equipment Blank	N	Y	One Per Batch		
p Blank	N	NR	One Per Batch		
Field Duplicates	N	NR	10 % of samples		
LCS	Y	See Comment 1	One Per Batch	See Table	
Surrogates	Y	Y	All Samples	See Table	
Res Between MDL/PQL	Y	See Comment 2	None	None	
MS/MSD	N	Y	As Req by FSP	Lab Criteria	

NQ No Qualification Required, NR=None-Requested

1)**LCS, Soil,** Bromomethane @ 48% is below the limit of 50-135%, Batch 40097, 12/06/01 ~~No qualification needed~~ Qualify R

2) BEEGSWMU6106F2 has three compounds with "F" flags See the attached table Qualify F

3) **CCV, gc19i, 07 Dec-2001@ 0948,** Bromomethane @ -50 27%, Qualify R

~~Acrolein @ 33.23%, Acetone @ 42.24%, Tetrahydrofuran @ 28 10%, 2-Chloroethylvinylether @ -90.32%,~~

~~Four compounds are below the 25% limit No qualification necessary~~

4) **ICAL SPIKE, gc19i, 28-Nov-2001@ 1235,** Two compounds were outside the 75-125% limits ~~Carbon Disulfide @ 72.16%~~ and ~~Vinyl Acetate @ 131 22% No qualification is necesssary~~ — Second source verification not run for Appix compounds. No qualification NECESSARY.

Reviewed By
Karen Hatfield
Karen Hatfield
Project Chemist, EEG

LABORATORY CHRONICLE

Job Number: 206972

Date: 12/07/2001

CUSTOMER: Ellis Environmental Group, LC

PROJECT: AFC001-7020.360

ATTN: Rick Levin

Lab ID: 206972-1 Client ID: BEEGSWMU6106F2 Date Recvd: 12/04/2001 Sample Date: 12/03/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1					
5035	5035 Archon Closed Purge & Trap	1	40078		12/06/2001	1428	
5035	5035 Preservation High (Methanol)	1					
5035	5035 Preservation Low	1	39807				
5035	5035 Preservation Low	2	39807		12/06/2001	1315	
82608	Volatile Organics	1	40097	39807 -40078	12/06/2001	1428	1.00000

Lab ID: 206972-2 Client ID: BEEGTA2AS4 Date Recvd: 12/04/2001 Sample Date: 12/03/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	39772		12/04/2001	1410	

Lab ID: 206972-3 Client ID: BEEGTA7AF3 Date Recvd: 12/04/2001 Sample Date: 12/03/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	39772		12/04/2001	1410	

733 485

received

VALIDATION REPORT FOR NAS-FT. WORTH

JOB# 206972

METHOD SW8270C/SVOA

LOT #STL-CHICAGO

Date: 2-15-02				
QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA
Soil				
Batches: 40099, 40127				
Chain of Custody	Y	Y	Each Set Of Samples	Complete & Accurate
Holding Time	Y	Y	7 day ext /40 day analyz	Must Be Within Guidelines
Preservation	Y	Y	Every Vial	No air bubbles
Temperature Blank	Y	Y	(1) per cooler	4 degrees C +/- 2
5-Point Int. Cal./Int. Cal	Y	Y	Prior to Sample Analysis	SPCC avg RRF >/= 0.05
				%RSD for CCC <= 30%
				mean/RSD <15% no anal > 30%
				r> 0.995 (5)or r> 0.990(6,7)
ICAL SPIKE				
2nd Source Cal. Verf.	Y	Y	Once Per 5 Point Cal.	Within +/- 25%
Cont Cal. Verification	Y	Y	Daily and Every 12 Hrs.	SPCC RRF >/= 0.05 and
				each CCC < 20% drift
				cal. Within +/- 25%
Check DFTPP	Y	Y	Prior To IC & CCV	Method Criteria
Internal Standards	Y	Y	Every Sample	Method Criteria
Method Blank	Y	Y N*	One Per Batch	None>PQL
Equipment Blank	EEGEB12	Y	One Per Batch	<PQL
	BATCH 40127			
Trip Blank	N	NR	One Per Batch	<PQL
Field Duplicates	N	Y	10 % of samples	RPD = 30%
LCS	Y	Y	One Per Batch	See Table Attached
Surrogate Spike	Y	Y	Every Sample	See Table Attached
MS/MSD	Y	Y	See Attached Table	See Table Attached
Res.Between MDL/PQL	Y	Y	None	None

NR = Not Requested

* Contaminated w/ 80.34 ug/kg of bis(2-ethylhexyl)Phthalate. All associated results ND and no qualification necessary.

These samples were analyzed for Bis(2-ethylhexyl)phthalate only and all QC was in control.

No qualification (flags) are necessary.

Reviewed By,

Karen Hatfield

Karen Hatfield, EEG Chemist

LABORATORY CHRONICLE

Job Number: 206972 Date: 01/03/2002

CUSTOMER: Ellis Environmental Group, LC PROJECT: AFC001-7020.360 ATTN: Rick Levin

Lab ID: 206972-2 Client ID: BEEGTA2AS4 Date Recvd: 12/04/2001 Sample Date: 12/03/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	39772		12/04/2001	1410	
3550B	Extraction Ultrasonic (SVOC)	1	40032		12/04/2001	1730	
8270C	Semivolatile Organics	1	40099	40032	12/05/2001	2157	1.00000

Lab ID: 206972-4 Client ID: EEGEB120301 Date Recvd: 12/04/2001 Sample Date: 12/03/2001

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
3510C	Extraction Sep. Funnel (SVOC)	1	40044		12/06/2001	1300	
8270C	Semivolatile Organics	1	40127	40044	12/06/2001	1849	1.00000

VALIDATION REPORT FOR NAS-FT. WORTH
Job/Lab # **207558 (Soil)**
METHOD 7000A/GFAA METALS STL-CHICAGO

Received

QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA
Chain of Custody (COC)	Y	Y	Each Set of Samples	Complete and Accurate
Holding Time	Y	Y	6 Months	Within Guidelines
Initial Cal.(3 & Blk)	Y	Y	Daily at Beginning	C.C. =0.995
ICB and CCB	Y	Y	Beginning, Every 10, End	>PQL, no Negative Sig.
ICV & CCV	Y	Y	Beginning, Every 10, End	20% of Value
Method Blank	Y	Y	One per Batch	<PQL, No Neg Analytes
LCS	Y	Y	One per Batch	See Table
Post Digestion Spike (AS)	Y	Y	Once per Sample	85-115%
MS/MSD	N	NR	Not Required for Metals	See Table
Results between MDL&RL	Y	Flag "F"	None	None
Field Equipment Blank	N	N	One per Day per Matrix	None
Field Duplicate	N	NR	10% of environmental samples	None

This SDG was analyzed for total lead and leachable Cadmium only. All blanks were <2 and the PDS were all in limits. All other QC criteria are in control and thus no qualification is necessary

Reviewed by,

Karen Hatfield

Karen Hatfield, EEG CHEMIST

SEVERN TRENT SERVICES

STL Chicago

733 488

SAMPLE INFORMATION

Date: 01/29/2002

Job Number.: 207558
Customer...: Ellis Environmental Group, LC
Attn.....: Rick Levin

Project Number.....: 20001239
Customer Project ID....: NAS FW 7020.360
Project Description....: NAS Ft. Worth

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
207558-1	BEEGSWMU31BS3	Soil	12/05/2001	10:40	01/08/2002	13:00
207558-2	BEEGTA9BE6	Soil	12/18/2001	15:45	01/08/2002	13:00

VALIDATION REPORT FOR NAS-FT. WORTH
Job/Lab # **207753 (Soil)**
METHOD 7000A/GFAA METALS STL-CHICAGO

Received 3-15-02

QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA
Chain of Custody (COC)	Y	Y	Each Set of Samples	Complete and Accurate
Holding Time	Y	Y	6 Months	Within Guidelines
Initial Cal.(3 & Blk)	Y	Y	Daily at Beginning	C.C =0 995
ICB and CCB	Y	Y	Beginning, Every 10, End	>PQL, no Negative Sig
ICV & CCV	Y	Y	Beginning, Every 10, End	20% of Value
Method Blank	Y	Y	One per Batch	<PQL, No Neg Analytes
LCS	Y	Y	One per Batch	See Table
Post Digestion Spike (AS)	Y	Y	Once per Sample	85-115%
MS/MSD	N	NR	Not Required for Metals	See Table
Results between MDL&RL	N	Y	None	None
Field Equipment Blank	Y	Y	One per Day per Matrix	None
Field Duplicate	N	NR	10% of environmental samples	None

This SDG was analyzed for lead only. All blanks were <2 and the PDS were all in limits. All other QC criteria are in control and thus no qualification is necessary.

Reviewed by,
Karen Hatfield
Karen Hatfield, EEG CHEMIST

TRENT SERVICES

STL Chicago

733 490

SAMPLE INFORMATION

Date: 02/13/2002

Job Number.: 207753
Customer...: Ellis Environmental Group, LC
Attn.....: Rick Levin

Project Number.....: 20001239
Customer Project ID....: NAS FW 7020.360
Project Description....: NAS Ft. Worth

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
207753-1	BEEGSWMU31BE3S5	Soil	01/17/2002	14:46	01/18/2002	09:00
207753-2	BEEGSWMU31BE3S1E4	Soil	01/17/2002	14:30	01/18/2002	09:00
207753-3	BEEGTA2AS9	Soil	01/17/2002	14:00	01/18/2002	09:00
207753-4	EEGEB011702	Water	01/17/2002	16:00	01/18/2002	09:00

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VALIDATION REPORT FOR NAS-FT. WORTH

METHOD TNRCC 1005/TPH LOT #/206504 STL-CHICAGO

QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA
5 Point Calibration	Y	Y	Initial Cal.	cc>0 995, %RSD <25% for RFs
RT Window	Y	Y	Initial Cal And CCV	3X SD from 72 hr. Study
Initial Cal. Verif.	Y	Y	Daily, Before Sample	Within 25%
Cont Cal Verif.	Y	Y	Each 10, At End	Within 25%
Method Blk	Y	<PQL	One per Batch	None > PQL
LCS	Y	Y	One per Batch	Lab Criteria
MS/MSD	Y	Y-1	As Req by the FSP	Lab Criteria
ogates	Y	Y	Each Sample	Lab Criteria
MDL/RL	N	Y	None	None
Chain of Custody	Y	Y	Each Set of Samples	Complete and Accurate
Holding Time	Y	Y	7d ext/40 days	Within Guidelines

Y-1 = MS/MSD (34-39%) FLAGGED WITH "A" INDICATING OUTSIDE THE CONTROL LIMITS *

Reviewed By

Karen Hatfield

Karen Hatfield
Project Chemist, Ellis Env, Grp

* See attached revisions

TNRCC 1005/TPH

TX1005
USEPA Level III Review

Site: Navel Air Station Fort Worth JRB, Texas — SDG #. 206504

Laboratory: STL Austin — Date: 02.09.02

HydroGeoLogic, Inc. Reviewer Kimberly Evers — Project EEG001-01B062

Client Sample ID	Laboratory Sample ID	Matrix
BEEGSWMU12DE2	206504-1	Soil
BEEGSWMU12DE2 (SPLP Extract)	206504-1	Water
EEGEB110101	206504-2	Water

MS/MSD: Matrix Spike/Matrix Spike Duplicate analyses were preformed on a sample from a different SDG and no qualification is necessary.

Compound Quantitation - No discrepancies were identified All results reported as non-detects should be U qualified

Comments – Data was validated in accordance with the NAS Fort Worth JRB Basewide Quality Assurance Project Plan, February 1998

REVISIONS

Volatile Organic Compounds
SW-846 Method 8260B
USEPA Level III Review

Site: NAS Fort Worth JRB
Laboratory. STL-Chicago
HydroGeoLogic, Inc Reviewer· Kimberly Evers

SDG #: 206152
Date: 02.11.02
Project: EEG001-01E062

ICal Spike: Dichlorodifluoromethane and chloromethane had %R that did not meet the QC requirements in the ICal Spike and all associated results should be R qualified Acetone, iodomethane, and vinyl acetate, listed in Appendix A of the QAPP, had % recoveries that did not meet the QC criteria, however second source calibration verification is not required on these compounds and no qualification is necessary.3-Chloromethane, which is mentioned in the ICal Spike section on the previous page, is not reported in this data package and no qualification is necessary.

Continuing Calibration: Four CCVs are associated with the samples in this SDG. One was run on 10.23.01 (38532), one was run on 10.29.01(38505) and two run on 10 30 01 (38511 & 38519) The %Ds were in control with the following exceptions:

38532. Dichlorodifluormethane had a %D of 44 08% All associated results should be R qualified

38532 Acrolein and carbon disulfide were misidentified on the previous page for having %Ds that did not meet the QC criteria. Acrolein and carbon disulfide, listed in Appendix A of the QAPP, require a %D of <50% and no qualification is necessary

38505. Bromomethane had a %D of 25 94%. All associated results should be R qualified.

38505. Isopropylbenzene had a %D of 26 01%. All associated results should be R qualified.

38505· 1,2,3-Trichloropropane had a %D of 26 05% All associated results should be R qualified

38505 1,3,5-Trimethylbenzene had a %D of 26 10%. All associated results should be R qualified

38505 1,2,4-Trimethylbenzene had a %D of 25 28% All associated results should be R qualified

38505 sec-Butylbenzene had a %D of 26 28%. All associated results should be R qualified

38505· p-Isopropylbenzene had a %D of 28 47% All associated results should be R qualified

38505. 2-Chloroethylvinylether had a %D that did not meet the QC criteria, however, this compound is not reported in this SDG and no qualification is necessary

38511. Bromomethane had a %D of 41 26% All associated results should be R qualified

38511. 1,1-Dichloropropene had a %D of 29.11%. All associated results should be R qualified.

38511. cis-1,3-Dichloropropene had a %D of 28.95%. All associated results should be R qualified.

38511. 1,2,3-Trichloropropane had a %D of 26.23%. All associated results should be R qualified

38511: Acrylonitrile, vinyl acetate and carbon disulfide were misidentified on the previous page for having %Ds that did not meet the QC criteria Acrylonitrile, vinyl acetate and carbon disulfide, listed in Appendix A of the QAPP, require a %D of <50% and no qualification is necessary.

38519: cis-1,3-Dichloropropene had a %D of 29.13% All associated results should be R qualified.

38519. Methyl-tert-butyl-ether had a %D of 25.02%. All associated results should be R qualified.

38519. Carbon disulfide, listed in Appendix A of the QAPP, had a %D that did not meet the QC criteria, however, corrective action is not required for this compound and no qualification is necessary.

38519: Acrolein was misidentified on the previous page for having a %D that did not meet the QC criteria Acrolein, listed in Appendix A of the QAPP, requires a %D of <50% and no qualification is necessary.

Method Blank: The method blanks associated with the samples in this SDG were free from contamination.

LCS The LCS associated with batch 38505 had all %Rs in control with the exception of a high %R for 1,1-dichloroethene, isopropylbenzene, 1,2,3-trichloropropane, 1,3,5-trimethylbenzene, tert-butylbenzene, 1,2,4-trimethylbenzene, sec-butylbenzene, p-isopropylbenzene, n-butylbenzene, 1,2,4-trichlorobenzene, hexachlorobutadiene and 1,2,3-trichlorobenzene. The validation report incorrectly stated that all associated results should be J qualified. The associated detections of the above mentioned compounds should be J qualified and the non-detects should be R qualified The LCS associated with batch 38511 had all %Rs in control with the exception of a high %R for bromomethane and a low %R for 1,2,3-trichloropropane The associated results for bromomethane are non-detect and no qualification is necessary The associated non-detect results for 1,2,3-trichloropropane should be R qualified. The LCS associated with batch 38519 had all %Rs in control. The LCS associated with 38532 had all %Rs in control with the exception of a high %R for bromomethane. The associated results for bromomethane are non-detect and no qualification is necessary.

Field Blanks: Trip blank TB101801 was free from contamination and no qualification is necessary.

Field Duplicate. DUP01WG15 is a field duplicate of sample WITCTA019WG15. The calculated RPDs meet the acceptence criteria with the exception of trans-1,2-dichloroethene which had an RPD of 67%. The trans-1,2-dichloroethene detections in the field duplicate and the parent sample should be J qualified

Qualification Summary Table

Sample ID	Analyte	Lab Val	Lab Qual	HGL Val	HGL Qual
LF04-02WG15	Dichlordifluoromethane	0 1	U	0 1	R
	Chloromethane	0.2	U	0.2	R
	Bromomethane	0.2	U	0 2	R
	1,1-Dichloroethene	1	No flag	1	J
	Isopropylbenzene	0 2	U	0 2	R
	1,2,3-Trichloropropane	0.2	U	0 2	R
	1,3,5-Trimethylbenzene	0.2	U	0 2	R
	tert-Butylbenzene	0.2	U	0 2	R

Sample ID	Analyte	Lab Val	Lab Qual	HGL Val	HGL Qual
	1,2,4-Trimethylbenzene	0 2	U	0 2	R
	sec-Butylbenzene	0 2	U	0 2	R
	p-Isopropylbenzene	0 2	U	0 2	R
	n-Butylbenzene	0 2	U	0 2	R
	1,2,4-Trichlorobenzene	0 2	U	0.2	R
	Hexachlorobutadiene	0 2	U	0.2	R
	1,2,3-Trichlorobenzene	0 2	U	0.2	R
WHGLTA044WG15	Dichlordifluoromethane	0 1	U	0.1	R
	Chloromethane	0 2	U	0.2	R
	Bromomethane	0 2	U	0.2	R
	1,1-Dichloropropene	0.2	U	0.2	R
	cis-1,3-Dichloropropene	0 2	U	0 2	R
	1,2,3-Trichloropropane	0 2	U	0 2	R
LF04-10WG15	Dichlordifluoromethane	0.1	U	0 1	R
	Chloromethane	0 2	U	0 2	R
	Bromomethane	0 2	U	0.2	R
	1,1-Dichloroethene	0.2	U	0.2	R
	Isopropylbenzene	0.2	U	0 2	R
	1,2,3-Trichloropropane	0 2	U	0 2	R
	1,3,5-Trimethylbenzene	0.2	U	0 2	R
	tert-Butylbenzene	0 2	U	0 2	R
	1,2,4-Trimethylbenzene	0 2	U	0 2	R
	sec-Butylbenzene	0.2	U	0 2	R
	p-Isopropylbenzene	0 2	U	0.2	R
	n-Butylbenzene	0.2	U	0.2	R
	1,2,4-Trichlorobenzene	0 2	U	0 2	R
	Hexachlorobutadiene	0 2	U	0 2	R
	1,2,3-Trichlorobenzene	0.2	U	0.2	R
WHGLTA051WG15	Dichlordifluoromethane	0 1	U	0.1	R

Sample ID	Analyte	Lab Val	Lab Qual	HGL Val	HGL Qual
	Chloromethane	0 2	U	0 2	R
	Bromomethane	0 2	U	0 2	R
	1,1-Dichloropropene	0.2	U	0.2	R
	cis-1,3-Dichloropropene	0 2	U	0 2	R
	1,2,3-Trichloropropane	0 2	U	0 2	R
WITCTA040WG15	Dichlordifluoromethane	0 1	U	0.1	R
	Chloromethane	0 2	U	0 2	R
	Bromomethane	0.2	U	0 2	R
	1,1-Dichloropropene	0.2	U	0 2	R
	cis-1,3-Dichloropropene	0 2	U	0.2	R
	1,2,3-Trichloropropane	0.2	U	0 2	R
DUP05WG15	Dichlordifluoromethane	0.1	U	0 1	R
	Chloromethane	0 2	U	0 2	R
	Bromomethane	0 2	U	0 2	R
	1,1-Dichloropropene	0 2	U	0.2	R
	cis-1,3-Dichloropropene	0.2	U	0 2	R
	1,2,3-Trichloropropane	0 2	U	0 2	R
WITCTA041WG15	Dichlordifluoromethane	0 1	U	0 1	R
	Chloromethane	0.2	U	0 2	R
	Bromomethane	0 2	U	0 2	R
	1,1-Dichloropropene	0 2	U	0 2	R
	cis-1,3-Dichloropropene	0 2	U	0 2	R
	1,2,3-Trichloropropane	0 2	U	0 2	R
DUP01WG15	Dichlordifluoromethane	0 1	U	0 1	R
	Chloromethane	0 2	U	0 2	R
	trans-1,2-Dichloroethene	2	No flag	2	J
HM114WG15	Dichlordifluoromethane	0.1	U	0.1	R
	Chloromethane	0 2	U	0.2	R
	trans-1,2-Dichloroethene	1	No flag	1	J

Sample ID	Analyte	Lab Val	Lab Qual	HGL Val	HGL Qual
WHGLTA603WG15	Dichlordifluoromethane	0 1	U	0 1	R
	Chloromethane	0 2	U	0 2	R
	Bromomethane	0 2	U	0 2	R
	1,1-Dichloropropene	0 2	U	0 2	R
	cis-1,3-Dichloropropene	0 2	U	0 2	R
	1,2,3-Trichloropropane	0 2	U	0 2	R
WITCTA019WG15	Dichlordifluoromethane	0.1	U	0 1	R
	Chloromethane	0.2	U	0 2	R
	Bromomethane	0 2	U	0 2	R
	1,1-Dichloropropene	0 2	U	0 2	R
	cis-1,3-Dichloropropene	0 2	U	0.2	R
	1,2,3-Trichloropropane	0 2	U	0.2	R

VALIDATION REPORT FOR NAS-FT. WORTH

METHOD TNRCC 1005/TPH LOT #206134 /STL-CHICAGO

QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA
5 Point Calibration	Y	Y	Initial Cal.	cc>0.995, %RSD <25% for RFs
RT Window	Y	Y	Initial Cal. And CCV	3X SD from 72 hr. Study
Initial Cal Verif	Y	Y	Daily, Before Sample	Within 25%
Cont. Cal. Verif.	Y	Y	Each 10, At End	Within 25%
Method Blk	Y	<PQL	One per Batch	None > PQL
LCS	Y	Y	One per Batch	Lab Criteria
MS/MSD	Y	Y-1	As Req by the FSP	Lab Criteria
Surrogates	Y	Y	Each Sample	Lab Criteria
MDL/RL	N	Y	None	None
Chain of Custody	Y	Y	Each Set of Samples	Complete and Accurate
Holding Time	Y	Y	7d ext/40 days	Within Guidelines

Y-1 = MS/MSD (37-41%) FLAGGED WITH "A" INDICATING OUTSIDE OF CONTROL LIMITS

Reviewed By

Karen Hatfield

Karen Hatfield
Project Chemist, Ellis Env, Grp

TNRCC 1005/TPH

TX1005

USEPA Level III Review

Site: Navel Air Station Fort Worth JRB, Texas — SDG # 206134

Laboratory. STL Austin — Date. 02.09.02

HydroGeoLogic, Inc. Reviewer: Kimberly Evers — Project: EEG001-01B062

Client Sample ID	Laboratory Sample ID	Matrix
BEEGSWMU6104	206134-1	Soil
EB101701	206134-2	Water

MS/MSD: Matrix Spike/Matrix Spike Duplicate analyses were preformed on a sample from a different SDG and no qualification is necessary

Compound Quantitation - No discrepancies were identified All results reported as non-detects should be U qualified.

Comments – Data was validated in accordance with the NAS Fort Worth JRB Basewide Quality Assurance Project Plan, February 1998.

VALIDATION REPORT FOR NAS-FT WORTH
SDG# 206712

733 500

METHOD SW8270C/SVOA LOT #STL-CHICAGO

Date 02-13-02						
QC CRITERIA	PRESENT	ACCEPTABLE	FLAGS	FREQUENCY	CRITERIA	PAGES
WATER						
BATCH 40912						
Chain of Custody	Y	Y	NQ	Each Set Of Samples	Complete & Accurate	6, 8
ding Time	Y	Y	NQ	7 day ext /40 day analyze	Must Be Within Guidelines	11
Preservation	Y	Y	NQ	Every Vial	No air bubbles	
Temperature Blank	Y	Y	NQ	(1) per cooler	4 degrees C +/- 2	
5-Point Int Cal	Y	Y	NQ	Prior to Sample Analysis	SPCC avg RRF >/= 0 05	51-73
					%RSD for CCC <= 30%	
					mean/RSD <15% no anal > 30%	
					r> 0 995 (5)or r> 0 990(6,7)	
ICAL SPIKE						
2nd Source Cal Verf	Y	Y[1]	R	Once Per 5 Point Cal	Within +/- 25%	145-147
Cont Cal Verification	Y	Y[2]	R	Daily and Every 12 Hrs	SPCC RRF >/= 0 05 and	119-121
					each CCC < 20% drift	
					cal Within +/- 25%	
Check DFTPP	Y	Y	NQ	Prior To Int Cal and Cal Verf		17-18
Internal Standards	Y	Y	NQ	Every Sample		19-20
Method Blank	Y	Y	NQ	One Per Batch	None>PQL	16, 135-136
Equipment Blank	Y	Y	NQ	One Per Batch		
Trip Blank	Y	Y	NQ	One Per Batch		
Field Duplicates	Y	Y	NQ	10 % of samples		
LCS	Y	Y[3]	J	One Per Batch	~~See Table Attached~~	14-15
Surrogate Spike	Y	Y[4]	J	Every Sample	~~See Table Attached~~	13
MS/MSD	N	Y	NQ	See Attached Table	~~See Table Attached~~	
Between MDL/PQL	Y	Y	NQ	None	None	22-24, 29-31, 36-38,

NQ No Qualification Required NR=None-Requested

1) **ICAL SPIKE, Batch 40912**, page 146, The following compounds were outside the %R limits Benzidine @ 34 50%, Limit 75-125%, Di-n-octylphthalate @ 127 63%, page 147, ~~The following surrogates associated with the ICALSPIKE had 0% recovery 2-Fluorophenol, Phenol-d5, Nitrobenzene-d5, 2-Fluorobiphynl, 2,4,6-Tribromophenol, and Terphenyl-d14 Qualify R~~

2) **CCV : Batch 40912**, pages 119-121, The following compounds exceed the the ~~20%~~ 25% limit N-Nitrosodiumethylamine @ 25 01%, ~~N-Nitroso-di-n-propylamine @ 22 58%~~, Benzoic Acid @ 26 96%, ~~2-Nitroaniline @ 22 87%~~, ~~4,6-Dinitro-2-methylphenol @ 23 78%~~, 2, 4-Dinitrophenol @37 37% and ~~Benzo(g,h,i,)perylene @ 21 43%~~ Qualify R

3) **LCS, Batch 40912**, page 14, 2,4 Dimethylphenol @ 36%, limit 45-139% ~~Qualify J~~

4) **Surrogate Spike, Batch 40912**, sample WEEGTA001, page 13, 1 surrogate below limit, Phenol-d5 @ 24%, Limit 25-125% ~~Qualify J~~

Reviewed By

Karen Hatfield,
Project Chemist, EEG

See attached revisions

REVISIONS

Semi-Volatile Organic Compounds
SW-846 Method 8270C
USEPA Level III Review

Site: NAS Fort Worth JRB
Laboratory. STL-Chicago
HydroGeoLogic, Inc. Reviewer Kimberly Evers

SDG #: 206712
Date. 02.28 02
Project· EEG001-01B062

ICal Spike Benzidine and di-n-octyl phthalate had %Rs outside QC limits, however, these compounds are not reported in this data package and no qualification is necessary. Several surrogates were mentioned on the previous page of this validation report as having %Rs outside the QC limits, however, these surrogates are not reported as compound results and no qualification is necessary

Continuing Calibration. One CCV, associated with batch 40912, is associated with the samples in this SDG. The data validation report incorrectly identified several compounds as having a %D of greater than 20%, however, the QC acceptance criteria for the CCV in SVOCs is 25% Benzoic acid and 2,4-Dinitrophenol had a %D that did not meet the QC requirements are the associated results should be R qualified. N-Nitrosodimethylamine, listed on the previous page of this data validation report, is misidentified as having a %D that did not meet the QC requirements; however, this compound does meet the %D requirements of compounds listed in Appendix A of the QAPP. No qualification is necessary

Laboratory Control Samples. 2,4-Dimethylphenol had a low %R for the LCS associated with batch 40912 The associated results are non-detect and should be R qualified

Surrogates· All surrogate recoveries were in control with the exception of a low %R for phenol-d5 in sample WEEGTA001. The %R was above 10% in this sample and no qualification is necessary

Field Blanks· Equipment blank EB111501 is associated with the sample in this SDG The equipment blank was free from contamination and no qualification is necessary.

Qualification Summary Table

Sample ID	Analyte	Lab Val	Lab Qual	HGL Val	HGL Qual
WHGLTA028	Benzoic acid	6	U	6	R
	2,4-Dimethylphenol	4	U	4	R
	2,4-Dinitrophenol	11	U	11	R
WHGLTA012	Benzoic acid	6	U	6	R
	2,4-Dimethylphenol	5	U	5	R
	2,4-Dinitrophenol	12	U	12	R
WEEGTA001	Benzoic acid	6	U	6	R
	2,4-Dimethylphenol	4	U	4	R
	2,4-Dinitrophenol	11	U	11	R

VALIDATION REPORT FOR NAS-FT. WORTH
SDG# 206712
METHOD 8260B/VOLATILES LOT #STL-CHICAGO

Date 12-21-01						
QC CRITERIA	PRESENT	ACCEPTABLE	FLAGS	FREQUENCY	CRITERIA	PAGES
WATER						
Chain of Custody	Y	Y	NQ	Each Set of Samples	Complete and Accurate	
Holding Time	Y	Y	NQ	14 Days	Within Guidelines	
Preservation	Y	Y	NQ	Every Vial	HCL <2 Ph	
Temperature Blank	Y	Y	NQ	(1) per cooler	4 degrees C +/- 2	
5 Point Cal/Initial Cal	Y	Y	NQ	Initial Cal	SPCC RRF>0 30	111-129
					%RSD = <15%, (30%)	
					CC = 0 995 (5)	
ICAL SPIKE						
2nd source Cal Verf	Y	Y[3]	R	One Per 5 Point	25%	236-238
Cont. Cal Verf	Y	Y	R	Daily, 12 Hrs	SPCC RF >0 30	211-213,
					CCC<20% 25%	
BFB	Y	Y	NQ	Before IC and CV	See Criteria	17-18
Internal Std	Y	Y	NQ	Every Sample	RT = 30seconds	19-20
					EICP = -50% to +100%	
					12 Hrs	
Method Blank	Y	Y	NQ	One Per Batch	None>PQL	16, 227-228
Equipment Blank	EB111501 206712-5	Y	NQ	One Per Batch		68-70, 95
Trip Blank	TB111501 206712-7	Y	NQ	One Per Batch		105-107
Field Duplicates	DUP-1 WITCTA034	Y[2]	NQ	10 % of samples		
LCS	Y	Y	NQ	One Per Batch	See Table	14-15
Surrogates	Y	Y	NQ	All Samples	See Table	13
Res Between MDL/PQL	Y	Y[1]	F	None	None	45-47, 51-53, 68-70
MS/MSD	N	Y	NQ	As Req by FSP	Lab Criteria	16-20

NQ No Qualification Required, NR=None-Requested

1 Res. Between MDL/PQL WHGLTA028 Lab ID 206712-1, chloroform, F-flag, toluene F-flag, o-xylene F-flag WHGLTA012, Lab ID 206712-2 1,1 1,2-tetrachloroethane F-flag, ethylbenzene F-flag 1,3 5 -trimethylbenzene F-flag EB11501, Lab ID 206712-5, trichloroethene F-flag
The above compounds should be qualified F

2 Field Duplicate DUP-1 is the duplicate of WITCTA034 No qualification is necessary

3 ICALSPIKE nov2801 limits are 75-125 %R, One compound with low %R Iodomethane @ 0% One compound exceeded the %R vinyl acetate @ 125 89% Both compounds should be qualified R

Reviewed By
Karen Hatfield
Karen Hatfield
Project Chemist, EEG

REVISIONS

Volatile Organic Compounds
SW-846 Method 8260B
USEPA Level III Review

Site: NAS Fort Worth JRB
Laboratory: STL-Chicago
HydroGeoLogic, Inc Reviewer: Kimberly Evers

SDG #. 206712
Date: 02 28.02
Project: EEG001-01B062

Client Sample ID	Laboratory Sample ID	Batch Number	Matrix
WHGLTA028	206712-1	40472	Water
WHGLTA012	206712-2	40472	Water
WEEGTA001	206712-3	40472	Water
WITCTA034	206712-4	40472	Water
EB111501	206712-5	40472	Water
DUP-1	206712-6	40472	Water
TB111501	206712-7	40472	Water

ICal Spike: The data validation report mentions that iodomethane and vinyl acetate were out of control for the ICal Spike Iodomethane and vinyl acetate listed in Appendix A of the QAPP, had % recoveries that did not meet the QC criteria, however second source calibration verification is not required on this compound and no qualification is necessary

Continuing Calibration: One CCV, run on 11.29.02, is associated with the samples in this SDG The %Ds were in control.

Method Blank. The method blank associated with the samples in this SDG was free from contamination.

LCS. The LCS associated with batch 40472 had all %Rs in control and no qualification is necessary.

Field Blanks Trip blank TB111501 was free from contamination. Equipment blank EB111501 was free from contamination with the exception of 0.2 µg/L of trichloroethylene, leading to an action level of 1.0 µg/L. The trichloroethylene detections in samples WITCTA034 and DUP-1 are below the action level and should be U qualified

MS/MSD No samples were submitted for MS/MSD analyses and no qualification is necessary.

Field Duplicates DUP-01 is a field duplicate of WITCTA034 The calculated RPDs meet the acceptance criteria and no qualification is necessary.

Qualification Summary Table

Sample ID	Analyte	Lab Val	Lab Qual	HGL Val	HGL Qual
WHGLTA028	No qualification necessary				
WHGLTA012	No qualification necessary				
WEEGTA001	No qualification necessary				
WITCTA034	Trichloroethylene	0.9	No flag	0.9	U
DUP-1	Trichloroethylene	1.0	No flag	1.0	U

Metals
SW-846 ICP and AA Methods
USEPA Level III Review

Site· Naval Air Station Fort Worth JRB, Texas SDG #. 206712

Laboratory STL-Chicago Date· 02.28.02

HydroGeoLogic, Inc Reviewer Kimberly Evers Project: EEG-01BC62

Client Sample ID	Laboratory Sample ID	Matrix
WHGLTA028	206712-1	Water
WHGLTA012	206712-2	Water
WEEGTA001	206712-3	Water
EB111501	206712-5	Water

Sample Delivery and Condition - The samples arrived at the laboratory preserved, and in acceptable condition and temperature. Proper custody (internal and external) was documented. No qualification required

Holding Times - All samples were analyzed within the required holding times for water samples. No qualification required

Calibration - The initial and continuing calibration verification standards had acceptable recoveries No qualification required

Method and Calibration Blanks - The preparation blank and associated CCBs had a detections of several metals. The highest associated blank values are:

85 2 µg/L for aluminum, leading to an action level of 426.0 µg/L;
101.6 µg/L for calcium, leading to an action level of 508 0 µg/L;
0.4 µg/L for cadmium, leading to an action level of 2.0 µg/L;
49 2 µg/L for magnesium, leading to an action level of 246 0 µg/L;
3 3 µg/L for manganese, leading to an action level of 16.5 µg/L;
49.4 µg/L for iron, leading to an action level of 247 0 µg/L;
103.7 µg/L for potassium, leading to an action level of 518.5 µg/L;
2 8 µg/L for vanadium, leading to an action level of 14.0 µg/L;
and 3 8 µg/L for zinc, leading to an action level of 19.0 µg/L.

Due to positive detections in associated blanks, aluminum and zinc results should be U-qualified in samples WHGLTA028, WHGLTA012 and WEEGTA001; vanadium should be U-qualified in sample WHGLTA012 All other results for these elements were non-detect or greater than the action level and no qualification is necessary.

The preparation blank and associated CCBs showed negative baseline drift for silver and antimony. The highest associated blank values are -1.3 µg/L of silver, leading to an action level of 6.5 µg/L and -2 9 µg/L of antimony, leading to an action level of 14 5 µg/L. The silver results for all three environmental samples were non-detect and should be UJ qualified at the MDL. The antimony results for samples WHGLTA028 and WHGLTA012 were non-detect and should be UJ qualified at the MDL. The detection of antimony in sample WEEGTA001 has been given an F qualifier and shall retain its F qualifier.

Equipment Blanks - The equipment blank associated with these samples is EB111501. The equipment blank had detections of 34.9 µg/L of aluminum, leading to an action level of 174.5 µg/L, 115 0 µg/L of calcium, leading to an action level of 575.0 µg/L, 10.4 µg/L of magnesium, leading to an action level of 52 0 µg/L, and 4.2 µg/L of zinc, leading to an action level of 21.0 µg/L . The associated aluminum and zinc detections in all three environmental samples have already been U qualified due to method and calibration blank contamination All other associated results were non-detect or greater than the action level and no qualification is necessary

ICP Interference Check Sample - All %Rs were in control No qualification necessary.

ICP Serial Dilution - No serial dilution performed. No qualification necessary

Laboratory Control Samples - All LCSs had acceptable recoveries. No qualification required.

GFAA Recovery Tests - The recovery test was above the UCL in samples WHGLTA028 and WHGLTA012 being tested for antimony. The affected antimony results are non-detect and should be UJ qualified The recovery test was below the LCL for chromium and selenium in samples WHGLTA028, WHGLTA012 and WEEGTA001. The affected chromium and selenium results are non-detect and should be UJ qualified.

Matrix Spike Analyses - A matrix spike/matrix spike duplicate was not analyzed with this data package No qualification is necessary.

Laboratory Duplicates - A laboratory duplicate was not analyzed with this data package. No qualification necessary.

Field Duplicates - A field duplicate was not analyzed with this data package. No qualification necessary

Compound Quantitation - Analytes detected below the PQL are reported qualified with an F qualifier.

Qualification Summary Table

Sample ID	Analyte	Lab Val	Lab Qual	HGL Val	HGL Qual
WHGLTA028	Antimony	2 8	U	2 8	UJ
	Chromium	2 0	U	2 0	UJ
	Selenium	1.8	U	1 8	UJ
	Aluminum	44 2	F	44 2	U
	Silver	1.3	U	1.3	UJ
	Zinc	5.2	F	5 2	U
WHGLTA012	Antimony	2.8	U	2 8	UJ
	Chromium	2.0	U	2 0	UJ
	Selenium	1 8	U	1.8	UJ
	Aluminum	39 2	F	39.2	U
	Silver	1.3	U	1.3	UJ

	Vanadium	2 3	F	2 3	U
	Zinc	5.2	F	5.2	U
WEEGTA001	Chromium	2 0	U	2.0	UJ
	Selenium	1 8	U	1 8	UJ
	Aluminum	44.0	F	44 0	U
	Silver	1.3	U	1 3	UJ
	Zinc	5.2	F	5 2	U

VALIDATION REPORT FOR NAS-FT. WORTH
Job/Lab # **207753 (Soil)**
METHOD 7000A/GFAA METALS STL-CHICAGO

received 3 15 02

QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA
Chain of Custody (COC)	Y	Y	Each Set of Samples	Complete and Accurate
Holding Time	Y	Y	6 Months	Within Guidelines
Initial Cal (3 & Blk)	Y	Y	Daily at Beginning	C C. =0 995
ICB and CCB	Y	Y	Beginning, Every 10, End	>PQL, no Negative Sig
ICV & CCV	Y	Y	Beginning, Every 10, End	20% of Value
Method Blank	Y	Y	One per Batch	<PQL, No Neg Analytes
LCS	Y	Y	One per Batch	See Table
Post Digestion Spike (AS)	Y	Y	Once per Sample	85-115%
MS/MSD	N	NR	Not Required for Metals	See Table
esults between MDL&RL	N	Y	None	None
Field Equipment Blank	Y	Y	One per Day per Matrix	None
Field Duplicate	N	NR	10% of environmental samples	None

This SDG was analyzed for lead only All blanks were <2 and the PDS were all in limits. All other QC criteria are in control and thus no qualification is necessary

Reviewed by,
Karen Hatfield
Karen Hatfield, EEG CHEMIST

VALIDATION REPORT FOR NAS-FT. WORTH
Job/Lab # **207225 (Soil)**
METHOD 7000A/GFAA METALS STL-CHICAGO

QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA
Chain of Custody (COC)	Y	Y	Each Set of Samples	Complete and Accurate
Holding Time	Y	Y	6 Months	Within Guidelines
Initial Cal.(3 & Blk)	Y	Y	Daily at Beginning	C.C =0 995
ICB and CCB	Y	Y	Beginning, Every 10, End	>PQL, no Negative Sig.
ICV & CCV	Y	Y	Beginning, Every 10, End	20% of Value
Method Blank	Y	Y	One per Batch	<PQL, No Neg. Analytes
LCS	Y	Y	One per Batch	See Table
Post Digestion Spike (AS)	Y	Y	Once per Sample	85-115%
MS/MSD	N	NR	Not Required for Metals	See Table
esults between MDL&RL	Y	Flag "F"	None	None
Field Equipment Blank	Y	Y	One per Day per Matrix	None
Field Duplicate	~~N~~ Y	~~NR~~ *	10% of environmental samples	None

This SDG was analyzed for lead only. All blanks were <2 and the PDS were all in limits All other QC criteria are in control and thus no qualification is necessary

Reviewed by,
Karen Hatfield
Karen Hatfield, EEG CHEMIST

* Please see Attached Revisions

REVISIONS

Metals

SW-846 ICP and AA Methods

USEPA Level III Review

Site: NAS Fort Worth JRB
Laboratory. STL-Chicago
HydroGeoLogic, Inc. Reviewer: Kimberly Evers

SDG #: 207225
Date 04 09 02
Project: EEG001-01B062

Field Duplicate - Field duplicate BEEGSWMU31ADUP01 is a duplicate of sample BEEGSWMU31AS3W1S2. The calculated RPD does not meet the QC criteria and the soil lead detections in both samples of the duplicate pair should be J qualified

Qualification Summary Table

Sample ID	Analyte	Lab Val	Lab Qual	HGL Val	HGL Qual
BEEGSWMU31AS3W3	No qualification necessary				
BEEGSWMU31AS3W1S2	Lead	37.9	No flag	37.9	J
BEEGSWMU31DUP01	Lead	65.7	No flag	65.7	J

4-2-02

VALIDATION REPORT FOR NAS-FT WORTH
JOB# 208659
METHOD 8260B/VOLATILES STL-CHICAGO

Date 4-1-02				
Batches 47291				
QC CRITERIA	PRESENT	ACCEPTABLE	FREQUENCY	CRITERIA
WATYER				
Chain of Custody	Y	Y	Each Set of Samples	Complete and Accurate
Holding Time	Y	Y	14 Days	Within Guidelines
Preservation	Y	Y	Every Vial	HCL <2 Ph
Temperature Blank	Y	Y	(1) per cooler	4 degrees C +/- 2
5 Point Cal/Initial Cal	Y	Y	Initial Cal	SPCC RRF>0 30
				%RSD = <15%, (30%)
				CC = 0 995 (5)
ICAL SPIKE				
2nd source Cal Verf	Y	Y	One Per 5 Point	25%
Cont Cal Verf	Y	Y	Daily, 12 Hrs	SPCC RF >0 30
				CCC<20% 25%
BFB	Y	Y	Before IC and CV	See Criteria
Internal Std.	Y	Y	Every Sample	RT = 30seconds
				EICP = -50% to +100%
				12 Hrs
Method Blank	Y	Y	One Per Batch	None>PQL
Equipment Blank	Y	Y	One Per Batch	<PQL
Trip Blank	Y	Y	One Per Batch	<PQL
Field Duplicates	Y	Y	10 % of samples	RPD + 30%
LCS	Y	Y	One Per Batch	Lab Criteria
Surrogates	Y	Y	All Samples	Lab Criteria
Res Between MDL/PQL	N	Y	None	None
MS/MSD	N	NR	As Req by FSP	Lab Criteria

NR =Not Requested
This SDG was analyzed for benzene only All QC criteria were within control for benzene

Reviewed by,
Karen Hatfield
Karen Hatfield, EEG Chemist

TAB

APPENDIX H

APPENDIX H

Metes and Bounds

STATE OF TEXAS
TARRANT COUNTY

INDUSTRIAL SOLID WASTE
CERTIFICATION OF CLOSURE/REMEDIATION
SOLID WASTE MANAGEMENT UNITS 5 AND 6

KNOW ALL MEN BY THESE PRESENTS THAT:

Pursuant to the Rules of the Texas Natural Resource Conservation Commission (TNRCC) pertaining to Industrial Solid Waste Management, this document is hereby filed in the Deed Records of Tarrant County, Texas in compliance with the recordation requirements of said rules:

I

The Department of the Air Force has performed closure/remediation of the land described herein. A copy of the Notice of Registration No. 65004, including a description of the facility, is attached hereto and is made part of this filing. A list of the known waste constituents, including known concentrations in soil, which have been left in place is attached hereto and is made part of this filing. Further information concerning this matter may be found by an examination of company records or in the Notice of Registration No. 65004 files, which are available for inspection upon request at the central office of the TNRCC in Austin, Texas.

The TNRCC derives its authority to review the closure/remediation of this tract of land from the Texas Solid Waste Disposal Act, § 361.002, Texas Health and Safety Code, Chapter 361, which enables the TNRCC to promulgate closure and remediation standards to safeguard the health, welfare and physical property of the people of the State and to protect the environment by controlling the management of solid waste. In addition, pursuant to the Texas Water Code, § 5.012 and § 5.013, Texas Water Code, Annotated, Chapter 5, the TNRCC is given primary responsibility for implementing the laws of the State of Texas relating to water and shall adopt any rules necessary to carry out its powers and duties under the Texas Water Code. In accordance with this authority, the TNRCC requires certain persons to provide certification and/or recordation in the real property records to notify the public of the conditions of the land and/or the occurrence of remediation. This deed certification is not a representation or warranty by the TNRCC of the suitability of this land for any purpose, nor does it constitute any guarantee by the TNRCC that the remediation standards specified in this certification have been met by the Department of the Air Force.

The legal description of SWMU 12 is currently being prepared by Baird, Hampton, and Brown and will be provided as an addendum to the Final RFI Report.

Metals contaminated soil meets non-residential (i e.. industrial/commercial) criteria, in accordance with the TNRCC's requirements in 30 Texas Administrative Code, §335.555, which mandates that the closure/remedy be designed to eliminate substantial present and future risk such that no post-closure care or engineering or institutional control measures are required to protect human health and the environment. Future land use is considered suitable for non-residential (i.e., industrial/commercial) purposes in accordance with risk reduction standards applicable at the time of this filing. Future land use is intended to be non-residential.

In accordance with the requirements for Standard 2 cleanups where the closure/remedy is based upon non-residential soil criteria, the current owner has undertaken actions as necessary to protect human health or the environment in accordance with the rules of the TNRCC.

Maximum Concentrations of Soil Contaminants Left in Place
SWMUs 5 and 6

Analytical Method	Analyte	Maximum Concentration (mg/kg)
SW6010B	Arsenic	13.2
SW6010B	Barium	1280
SW6010B	Cobalt	41
SW7421	Lead	23.9

III

STATE OF TEXAS
TARRANT COUNTY

The owner of the site is Department of the Air Force, and its address is Headquarters Air Force Center of Environmental Excellence (AFCEE)/Environmental Restoration Division (ERD), 3207 Sidney Brooks, Brooks Air Force Base, Texas 78235-5363.

EXECUTED this the _____ day of _____, 2002.

Department of the Air Force

_____
Michael R. Dodyk, P.E.
Restoration Team Chief
ERA Restoration Division

BEFORE ME, on this the _____ day of _____, personally appeared Michael R. Dodyk, Restoration Team Chief, Air Force Center for Environmental Excellence, United States Air Force, known to me to be the person and agent of said government agency whose name is subscribed to the foregoing instrument, and he acknowledged to me that he executed the same for the purposes and in the capacity therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the ____ day of _____, 2002.

_____

Notary Public in and for the State of Texas, of _____County

_____
My Commission Expires

_____

STATE OF TEXAS
TARRANT COUNTY

INDUSTRIAL SOLID WASTE
CERTIFICATION OF CLOSURE/REMEDIATION
SOLID WASTE MANAGEMENT UNIT 12

KNOW ALL MEN BY THESE PRESENTS THAT.

Pursuant to the Rules of the Texas Natural Resource Conservation Commission (TNRCC) pertaining to Industrial Solid Waste Management, this document is hereby filed in the Deed Records of Tarrant County, Texas in compliance with the recordation requirements of said rules:

I

The Department of the Air Force has performed closure/remediation of the land described herein. A copy of the Notice of Registration No. 65004, including a description of the facility, is attached hereto and is made part of this filing. A list of the known waste constituents, including known concentrations in soil, which have been left in place is attached hereto and is made part of this filing. Further information concerning this matter may be found by an examination of company records or in the Notice of Registration No. 65004 files, which are available for inspection upon request at the central office of the TNRCC in Austin, Texas.

The TNRCC derives its authority to review the closure/remediation of this tract of land from the Texas Solid Waste Disposal Act, § 361.002, Texas Health and Safety Code, Chapter 361, which enables the TNRCC to promulgate closure and remediation standards to safeguard the health, welfare and physical property of the people of the State and to protect the environment by controlling the management of solid waste. In addition, pursuant to the Texas Water Code, § 5.012 and § 5.013, Texas Water Code, Annotated, Chapter 5, the TNRCC is given primary responsibility for implementing the laws of the State of Texas relating to water and shall adopt any rules necessary to carry out its powers and duties under the Texas Water Code. In accordance with this authority, the TNRCC requires certain persons to provide certification and/or recordation in the real property records to notify the public of the conditions of the land and/or the occurrence of remediation. This deed certification is not a representation or warranty by the TNRCC of the suitability of this land for any purpose, nor does it constitute any guarantee by the TNRCC that the remediation standards specified in this certification have been met by the Department of the Air Force.

II

The legal description of SWMU 12 is currently being prepared by Baird, Hampton, and Brown and will be provided as an addendum to the Final RFI Report.

Volatile Organic Compound (VOC), Total Petroleum Hydrocarbon (TPH), polynuclear aromatic hydrocarbon (PAH), and metal contaminated soil meets non-residential (i.e., industrial/commercial) criteria, in accordance with the TNRCC's requirements in 30 Texas Administrative Code, §335.555, which mandates that the closure/remedy be designed to eliminate substantial present and future risk such that no post-closure care or engineering or institutional control measures are required to protect human health and the environment. Future land use is considered suitable for non-residential (i.e., industrial/commercial) purposes in accordance with risk reduction standards applicable at the time of this filing. Future land use is intended to be non-residential.

In accordance with the requirements for Standard 2 cleanups where the closure/remedy is based upon non-residential soil criteria, the current owner has undertaken actions as necessary to protect human health or the environment in accordance with the rules of the TNRCC.

Maximum Concentrations of Soil Contaminants Left in Place
SWMU 12

Analytical Method	Analyte	Maximum Concentration (mg/kg)
SW6010B	Arsenic	8.4 F
SW8260B	Benzene	0.035
TX1005	TPH	1100
SW8310	Acenaphthene	0.2 J
SW8310	Anthracene	0.037 J
SW8310	Benzo(a)anthracene	0.0093 J
SW8310	Benzo(b)fluoranthene	0.032
SW8310	Fluoranthene	0.086
SW8310	Fluorene	0.072
SW8310	Phenanthrene	0.017
SW8310	Pyrene	0.013

III

STATE OF TEXAS
TARRANT COUNTY

The owner of the site is Department of the Air Force, and its address is Headquarters Air Force Center of Environmental Excellence (AFCEE)/Environmental Restoration Division (ERD), 3207 Sidney Brooks, Brooks Air Force Base, Texas 78235-5363.

EXECUTED this the _____ day of _____, 2002.

Department of the Air Force

_____
Michael R. Dodyk, P.E.
Restoration Team Chief
ERA Restoration Division

BEFORE ME, on this the _____ day of _____, personally appeared Michael R. Dodyk, Restoration Team Chief, Air Force Center for Environmental Excellence, United States Air Force, known to me to be the person and agent of said government agency whose name is subscribed to the foregoing instrument, and he acknowledged to me that he executed the same for the purposes and in the capacity therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the ____ day of _____, 2002.

_____

Notary Public in and for the State of Texas, of _____County

_____
My Commission Expires

_____

STATE OF TEXAS
TARRANT COUNTY

INDUSTRIAL SOLID WASTE
CERTIFICATION OF CLOSURE/REMEDIATION
SOLID WASTE MANAGEMENT UNIT 61

KNOW ALL MEN BY THESE PRESENTS THAT:

Pursuant to the Rules of the Texas Natural Resource Conservation Commission (TNRCC) pertaining to Industrial Solid Waste Management, this document is hereby filed in the Deed Records of Tarrant County, Texas in compliance with the recordation requirements of said rules:

I

The Department of the Air Force has performed closure/remediation of the land described herein. A copy of the Notice of Registration No 65004, including a description of the facility, is attached hereto and is made part of this filing. A list of the known waste constituents, including known concentrations in soil, which have been left in place is attached hereto and is made part of this filing Further information concerning this matter may be found by an examination of company records or in the Notice of Registration No. 65004 files, which are available for inspection upon request at the central office of the TNRCC in Austin, Texas.

The TNRCC derives its authority to review the closure/remediation of this tract of land from the Texas Solid Waste Disposal Act, § 361.002, Texas Health and Safety Code, Chapter 361, which enables the TNRCC to promulgate closure and remediation standards to safeguard the health, welfare and physical property of the people of the State and to protect the environment by controlling the management of solid waste. In addition, pursuant to the Texas Water Code, § 5 012 and § 5.013, Texas Water Code, Annotated, Chapter 5, the TNRCC is given primary responsibility for implementing the laws of the State of Texas relating to water and shall adopt any rules necessary to carry out its powers and duties under the Texas Water Code. In accordance with this authority, the TNRCC requires certain persons to provide certification and/or recordation in the real property records to notify the public of the conditions of the land and/or the occurrence of remediation. This deed certification is not a representation or warranty by the TNRCC of the suitability of this land for any purpose, nor does it constitute any guarantee by the TNRCC that the remediation standards specified in this certification have been met by the Department of the Air Force.

II

The legal description of SWMU 12 is currently being prepared by Baird, Hampton, and Brown and will be provided as an addendum to the Final RFI Report.

Volatile Organic Compound (VOC) contaminated soil meets non-residential (i.e., industrial/commercial) criteria, in accordance with the TNRCC's requirements in 30 Texas Administrative Code, §335.555, which mandates that the closure/remedy be designed to eliminate substantial present and future risk such that no post-closure care or engineering or institutional control measures are required to protect human health and the environment. Future land use is considered suitable for non-residential (i e , industrial/commercial) purposes in accordance with risk reduction standards applicable at the time of this filing. Future land use is intended to be non-residential.

In accordance with the requirements for Standard 2 cleanups where the closure/remedy is based upon non-residential soil criteria, the current owner has undertaken actions as necessary to protect human health or the environment in accordance with the rules of the TNRCC.

Maximum Concentrations of Soil Contaminants Left in Place
SWMU 61

Analytical Method	Analyte	Maximum Concentration (mg/kg)
SW8260B	Tetrachloroethelene (PCE)	0.057

III

STATE OF TEXAS
TARRANT COUNTY

The owner of the site is Department of the Air Force, and its address is Headquarters Air Force Center of Environmental Excellence (AFCEE)/Environmental Restoration Division (ERD), 3207 Sidney Brooks, Brooks Air Force Base, Texas 78235-5363.

EXECUTED this the _____ day of _____, 2002.

Department of the Air Force

_____
Michael R. Dodyk, P.E.
Restoration Team Chief
ERA Restoration Division

BEFORE ME, on this the _____ day of _____, personally appeared Michael R. Dodyk, Restoration Team Chief, Air Force Center for Environmental Excellence, United States Air Force, known to me to be the person and agent of said government agency whose name is subscribed to the foregoing instrument, and he acknowledged to me that he executed the same for the purposes and in the capacity therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the ____ day of _____, 2002.

_____

Notary Public in and for the State of Texas, of _____County

_____
My Commission Expires

_____

FINAL PAGE

ADMINISTRATIVE RECORD

FINAL PAGE