CAFB 2003 CAFB 03-003

DEPARTMENT OF THE AIR FORCE

HEADQUARTERS 27th FIGHTER WING (ACC)
CANNON AIR FORCE BASE NEW MEXICO

Colonel Robert Yates
Commander
100 S DL Ingram Blvd Suite 100
Cannon AFB, New Mexico 88103-5214

13 SEP 2003

Ms. Sandra Martin
Acting Chief, Hazardous Waste Bureau
New Mexico Environment Department
Hazardous Waste Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6303

Dear Ms. Martin

Transmitted herewith is the final closure report of the Cannon Air Force Base hazardous waste storage facility in accordance with New Mexico Hazardous Waste Facility Permit number NM7572124454-1.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Thank you for the opportunity to work with your staff to ensure our mutual commitments to environmental stewardship and pollution prevention efforts. If questions arise, please contact Mr. Don White or Mrs. Vera Wood of my Environmental Flight at (505) 784-2739 and 784-1097 respectively.

Sincerely

ROBERT YATES, Colonel, USAF

Attachment:
Closure Report for Hazardous Waste

cc:
NMED HWB (Mr. von Gonten)
DRMO (Mr. Greene)

CAFB 03-003

LIBRARY COPY

CLOSURE REPORT FOR HAZARDOUS WASTE STORAGE FACILITY (BUILDING 226)

Prepared for
Cannon Air Force Base
New Mexico

August 2003

URS
12120 Shamrock Plaza, Suite 300
Omaha, Nebraska

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AFB	Air Force Base
ANOVA	Analysis of Variance
ASTM	American Society for Testing and Materials
CFR	Code of Federal Regulations
CMS	Corrective Measures Study
COPC	Chemical of Potential Concern
DQCR	Daily Quality Control Report
DRMO	Defense Reutilization and Marketing Office
DRMS	Defense Reutilization and Marketing Service
EPA	Environmental Protection Agency
FID	Flame-Ionization Detector
HSWA	Hazardous and Solid Waste Amendments
HWPS	Hazardous Waste Profile Sheet
HWSF	Hazardous Waste Storage Facility
IRP	Installation Restoration Program
NM	New Mexico
NMED	New Mexico Environment Department
NPDES	National Pollutant Discharge Elimination System
OSHA	Occupational Safety and Health Administration
PID	Photoionization detector
PPE	Personal Protective Equipment
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
SCFS	Sample Collection Field Sheet
SVOCs	Semi-volatile Organic Compounds
SWMU	Solid Waste Management Unit
SW-846	EPA Publication, "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods"
TAL	Target Analyte List
TCLP	Toxicity Characteristic Leaching Procedure
TOC	Total Organic Carbon
TOX	Total Organic Halogens
TSDF	Treatment, Storage, and Disposal Facility

URS	URS Corporation
US	United States
USEPA	United States Environmental Protection Agency
VOA	Volatile Organic Analysis
VOCs	Volatile Organic Compounds

The Hazardous Waste Storage Facility (Building 226) has been closed in accordance with Section I of Permit Number NM 7572124454-1.

Owner:

Signature

Robert Yates, Col, USAF
Typed Name

Commander, 27th Fighter Wing
Title

18 SEP 2003
Date of Signature

DONALD T. LOPEZ
NEW MEXICO
5122
REGISTERED PROFESSIONAL ENGINEER

Registered Professional Engineer:

Signature

Donald T. Lopez, P.E.
Name of Registered Engineer

URS Corporation
Company

August 19, 2003
Date of Signature

5122

Registration Number

Cannon Air Force Base (AFB) has completed the closure of a Hazardous Waste Storage Facility (HWSF), which is located at 110 "W" Street, Building 226 within the Defense Reutilization and Marketing Office (DRMO) facility. Cannon AFB is a large quantity hazardous waste generator and the HWSF was operated under a Resource Conservation and Recovery Act (RCRA) Hazardous Waste Facility Permit. The Environmental Flight within the 27th Civil Engineering Squadron is responsible for compliance with this permit and the closure process.

Cannon AFB was issued a hazardous waste permit under I.D. Number NM7572124454 on December 17, 1989 by Region 6 of the United States Environmental Protection Agency (USEPA). The New Mexico Environment Department (NMED) issued Permit Number NM 7572124454-1 on October 16, 1989.

This report details the closure of the HWSF in accordance with the requirements of 40 Code of Federal Regulations (CFR) 270.14(b)(13), 270.14(b)(15-18), 264.110-264.115, 264.351, 264.178 and 264.197. Final closure was completed on July 25, 2003.

This Closure Report documents waste removal and decontamination procedures, and includes a brief narrative of the field activities and analytical results, investigation-derived waste disposal summary, recommendations and conclusions, and copies of laboratory reports, chain-of-custody forms, and sample collection field sheets.

2.1 CANNON AIR FORCE BASE

Cannon AFB is an Air Combat Command installation located in eastern New Mexico, near the Texas Panhandle (approximately 34°24' latitude and 103°19' longitude). The base is located in Curry County, approximately 7 miles west of Clovis and 15 miles north of Portales and is surrounded by agricultural land use. Figure 2-1 shows the location of the base in relation to Clovis.

Cannon AFB is home to the 27th Fighter Wing. Cannon AFB's primary mission is to support a fighter aircraft wing that is capable of day, night, and all-weather combat operations and is available for worldwide deployment. As such, the primary hazardous waste generation activities at Cannon AFB are associated with aircraft painting and corrosion control.

Cannon AFB has several projects that are actively investigating the presence or absence of RCRA-regulated hazardous materials that resulted from previous disposal practices and/or spillage. These on-going projects consist of RCRA Facility Investigations (RFI) and Corrective Measures Studies (CMS) at several designated Solid Waste Management Units (SWMU).

2.2 HAZARDOUS WASTE STORAGE FACILITY

The Defense Reutilization and Marketing Service (DRMS) operated the HWSF. The HWSF consisted of a 4,000-square foot building where DRMO-Cannon stores containerized waste. An estimated 10,720 gallons in 85-gallon drums and smaller containers was the maximum permitted storage capacity at the HWSF. The HWSF stored only hazardous wastes generated within the base boundaries, and disposed of the waste off-site through licensed treatment, storage or disposal contractors. Figure 2-2 shows the location of the former HWSF at Cannon AFB and Figure 2-3 shows the location of the former HWSF within the DRMO compound. The former HWSF is not considered a SWMU.

Hazardous wastes generated at Cannon AFB were stored in the HWSF for less than one year while arrangements are made for transport to an appropriate treatment, storage, and/or disposal facility. If problems arose concerning the disposal of wastes (i.e., no permitted disposal facility, backlog at a permitted disposal facility, or contractual problems), the storage limit of one year may have been reached. In that event, Cannon AFB requested a storage extension from NMED, on a case-by-case basis.

Due to the variability of maintenance activities, the Cannon AFB HWSF had the potential for receiving a variety of material classified as hazardous waste by both the USEPA and NMED. The hazardous wastes generated at Cannon AFB include waste paint-related products, solvents, lead-acid storage batteries, and other wastes that are RCRA-listed hazardous wastes or that are characteristically hazardous as defined in 40 CFR Part 261.

Additionally, as part of a pollution prevention program, the HWSF stored small containers of hazardous materials to be reused or sold. These materials were placed in storage bays with similar materials until they were consumed or become hazardous wastes because a decision was made to discard. Non-RCRA regulated wastes (i.e., non-hazardous wastes and Toxic Substances

Control Act-regulated wastes) were also stored in the facility with other wastes that had similar properties until vendors removed them for recycling, treatment, or disposal. These wastes were not identified using RCRA waste labels, nor did the labels contain the words "Hazardous Waste".

A topographic map showing the area around the former HWSF is included in Figure 2-4. There are no areas of Cannon AFB within the 100-year flood plain, nor are there any surface water features within 1,000 feet of the HWSF. Land use within this 1,000-feet radius is related to military industrial and flight line operations. There are no agricultural, residential or recreational areas within 1,000 feet of the HWSF. The nearest legal boundary of Cannon AFB is approximately 2,000 feet north of the HWSF. Figure 2-5 includes the location of storm water, sanitary sewers and potable water utilities in the vicinity of the former HWSF.

After the closure activities were completed, Building 226 was left standing so that it may be put to another use. The HWSF building is elevated so that all drainage is away from the building. The building is completely enclosed on all four sides and covered with a roof to prevent rainfall from entering the facility. The building entrance thresholds are raised to prevent run-on and run-off, and the surrounding area graded to drain into two storm drains located on the west side of the facility. The interior storage areas are surrounded by a 6-inch curb and sloped to containment trenches. The capacity of the containment trenches satisfy the spill containment requirement of 40 CFR 264.175(b)(3). A diagram illustrating the pre-closure storage compartments within the HWSF is included in Figure 2-6. The building is divided into three sections that were used as follows:

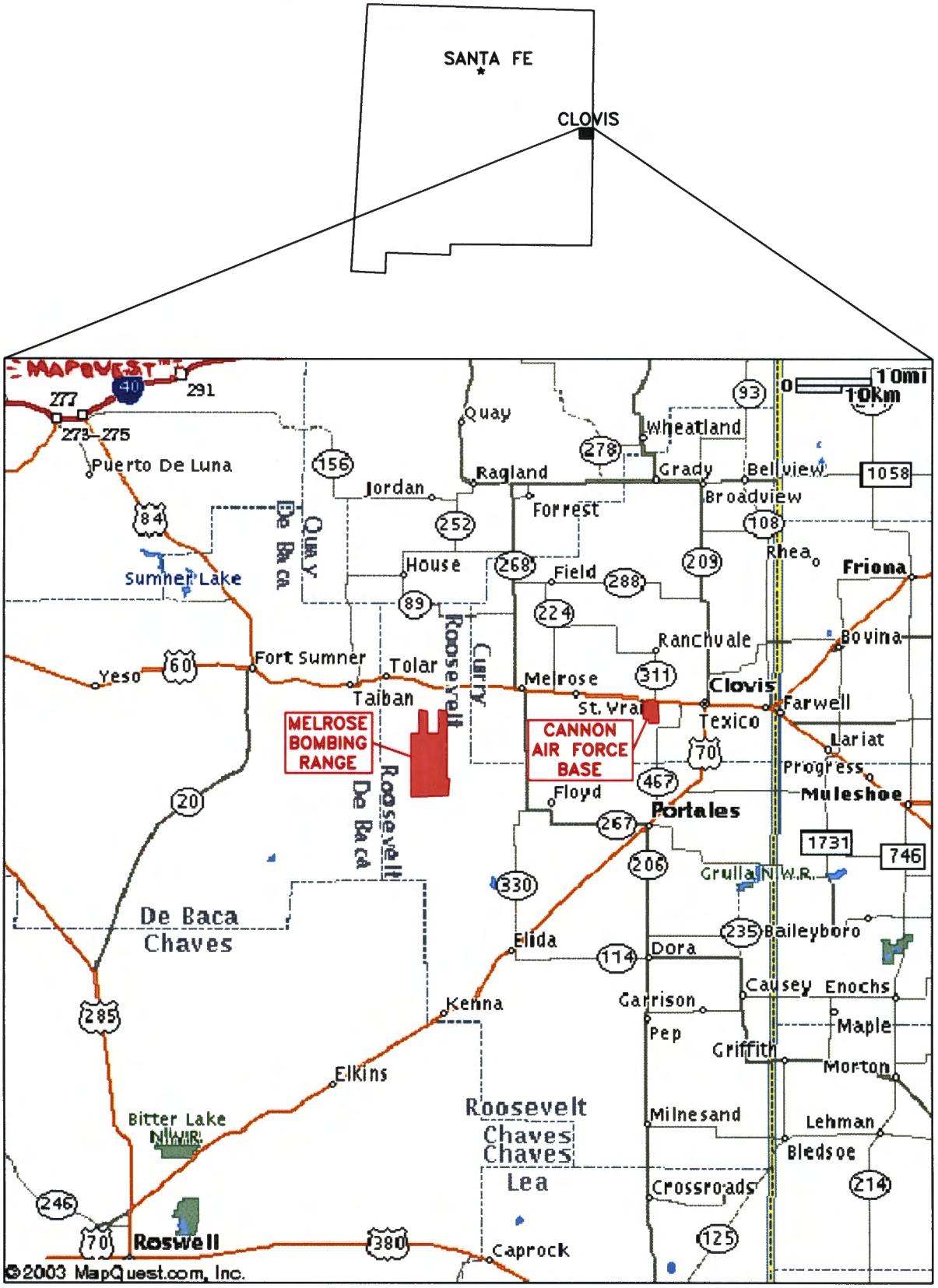
- A former ignitable storage area – 2,400 square feet
- A former loading and unloading area – 800 square feet
- A former toxic and reactive waste area – 800 square feet

The loading and unloading bay separated the former flammable area from the former toxic and reactive area. The floor of the loading and unloading bay slopes to a 150-gallon grated collection trench in the center.

In the former ignitable storage area, there are six 13- by 20-foot storage bays, three to a side, with a 10.5-foot aisle down the center. The floor of each storage bay slopes toward one of six 150-gallon grated containment trenches. The maximum amount of waste stored in each bay is 1,320 gallons.

The former toxic and reactive waste storage area contains eight 6- by 9-foot storage bays with 4 feet of aisle space. The bays were divided for the storage of bases, acids, toxic and reactive wastes, oxidizers, and low-hazard materials. Each bay slopes toward one of eight 82.5-gallon grated containment trenches. The maximum amount of materials and wastes stored in each bay is 350 gallons.

Drums and containers were stored on pallets and placed in a bay using a forklift. This storage configuration elevated the wastes from the floor, prevented contact with any spilled materials, and facilitated inspections.



LOCATION OF CANNON AIR FORCE BASE

DRN. BY: DAC	DATE: 05/27/01	PROJECT NO. 16169329	FIG. NO. 2-1
CHK'D. BY: .	DATE: .		

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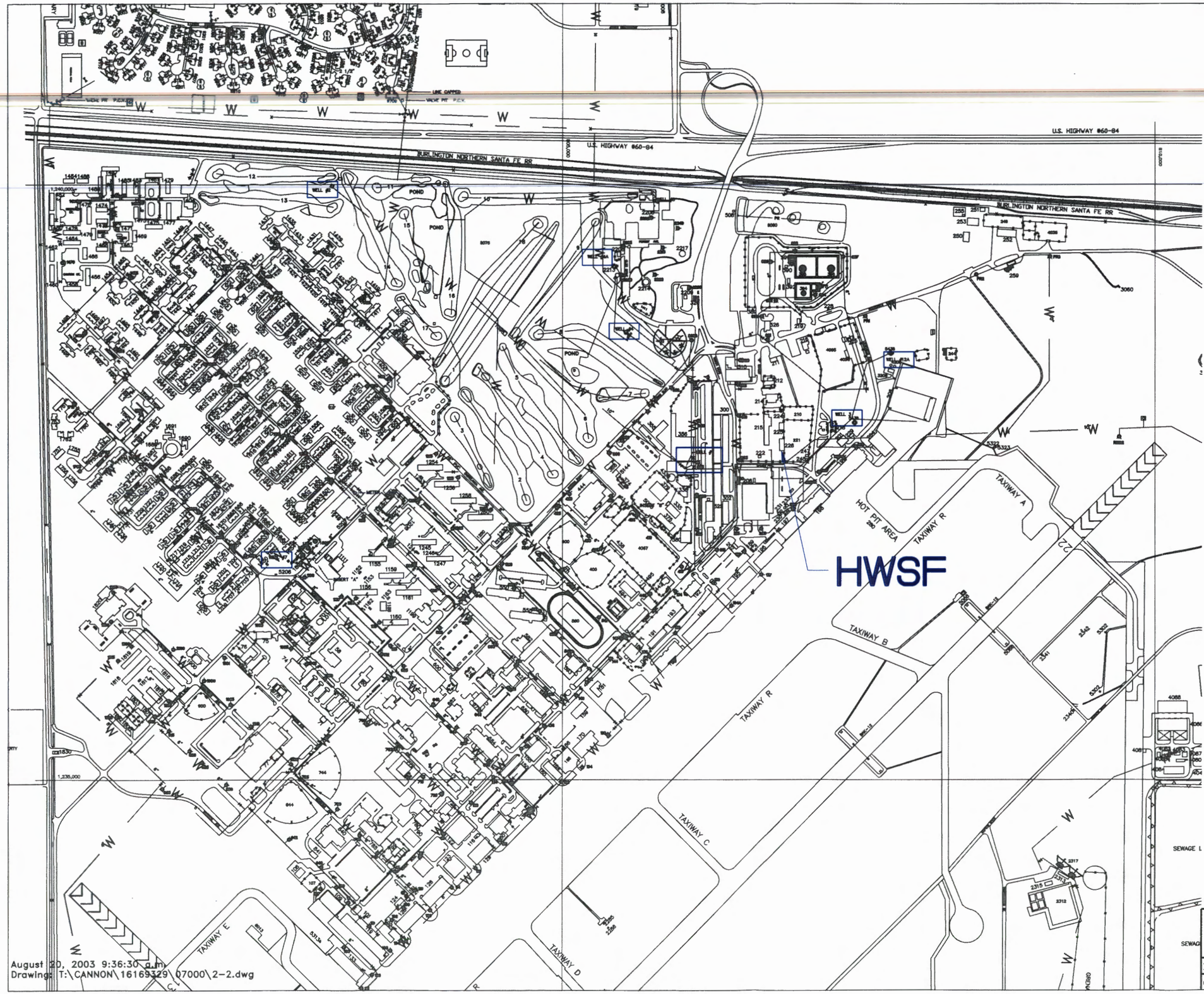
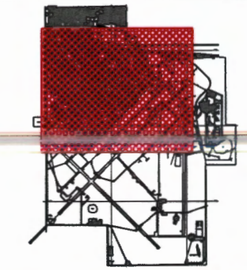




KEY PLAN

SCALE: NONE

LEGEND:

- EXISTING PAVED ROAD OR RUNWAY
- EXISTING STRUCTURE
- EXISTING RAILROAD
- RUNWAY OVERRUN
- EXISTING BOUNDARY FENCE
- EXISTING INTERIOR FENCE

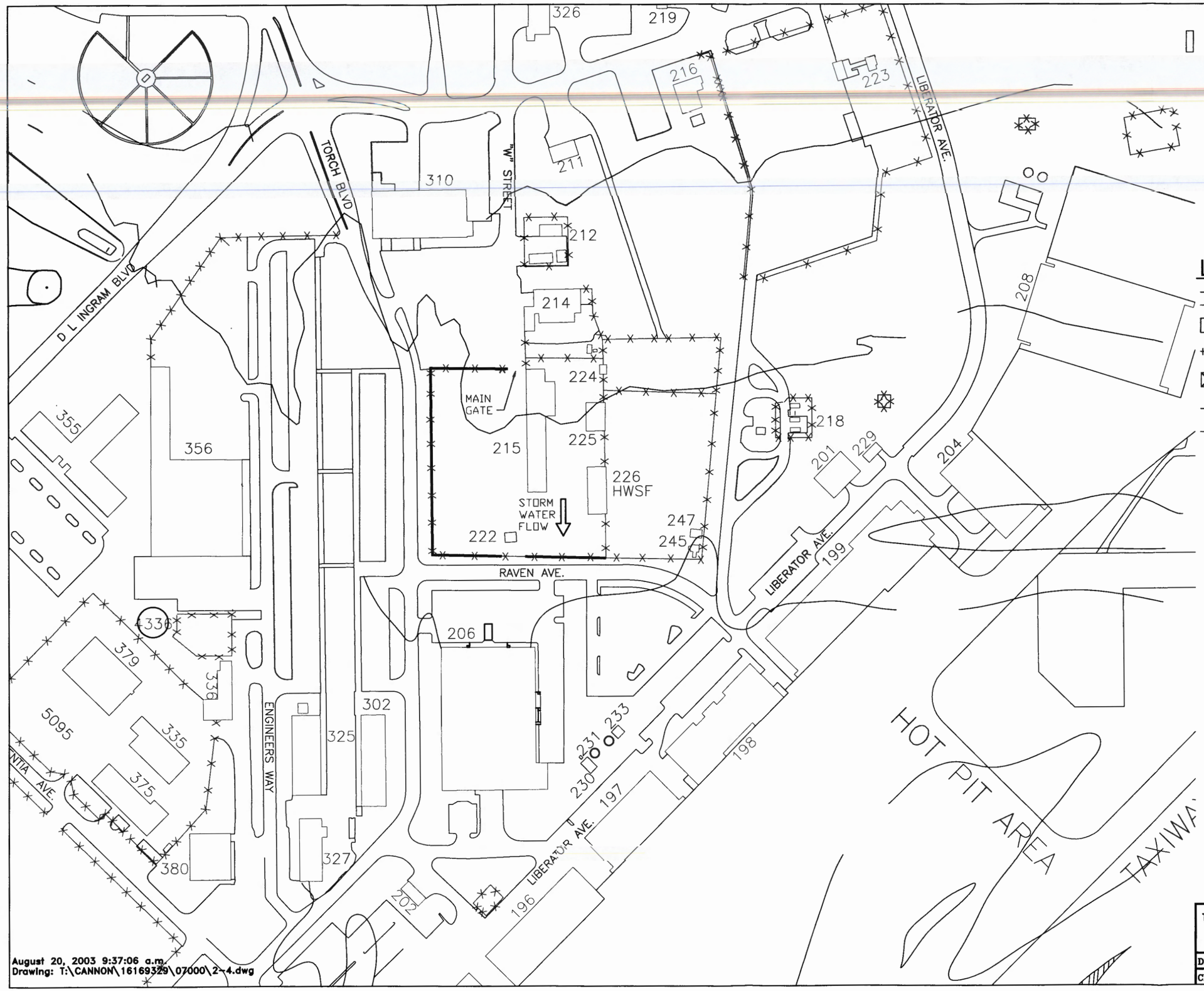
N

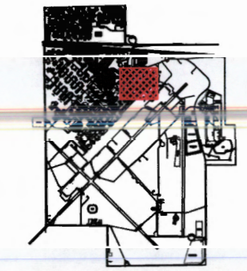
800 400 0 800

SCALE IN FEET

LOCATION OF HWSF
CANNON AIR FORCE BASE
CLOVIS, NEW MEXICO

DRN. BY: DAC	DATE: 05/23/03	PROJECT NO. 16169329	FIG. NO. 2-2
CHK'D. BY: .	DATE: .		





KEY PLAN

SCALE: NONE

LEGEND:

- EXISTING PAVED ROAD OR RUNWAY
- EXISTING STRUCTURE
- EXISTING RAILROAD
- RUNWAY OVERRUN
- EXISTING BOUNDARY FENCE
- EXISTING INTERIOR FENCE

N

200 100 0 200

SCALE IN FEET

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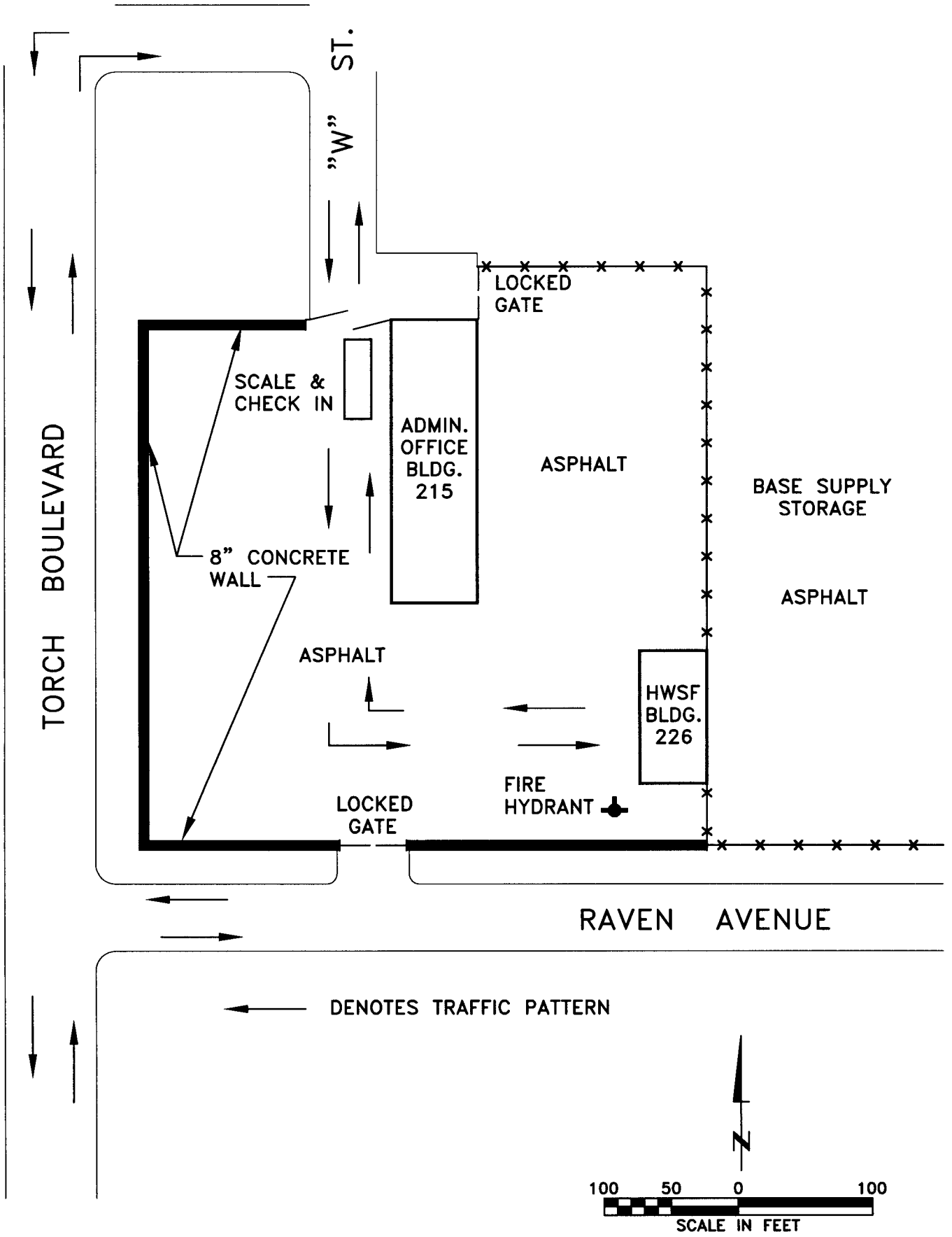
TOPOGRAPHICAL MAP HAZARDOUS WASTE STORAGE FACILITY CANNON AIR FORCE BASE CLOVIS, NEW MEXICO			
DRN. BY: DAC	DATE: 05/27/03	PROJECT NO. 16169329	FIG. NO. 2-4
CHK'D. BY: .	DATE: .		



BUILDING 226 – HAZARDOUS WASTE STORAGE FACILITY
CANNON AIR FORCE BASE
CLOVIS, NEW MEXICO

DRN. BY: DAC	DATE: 05/27/03	PROJECT NO. 16169329	FIG. NO. 2-3
CHK'D. BY: .	DATE: .		

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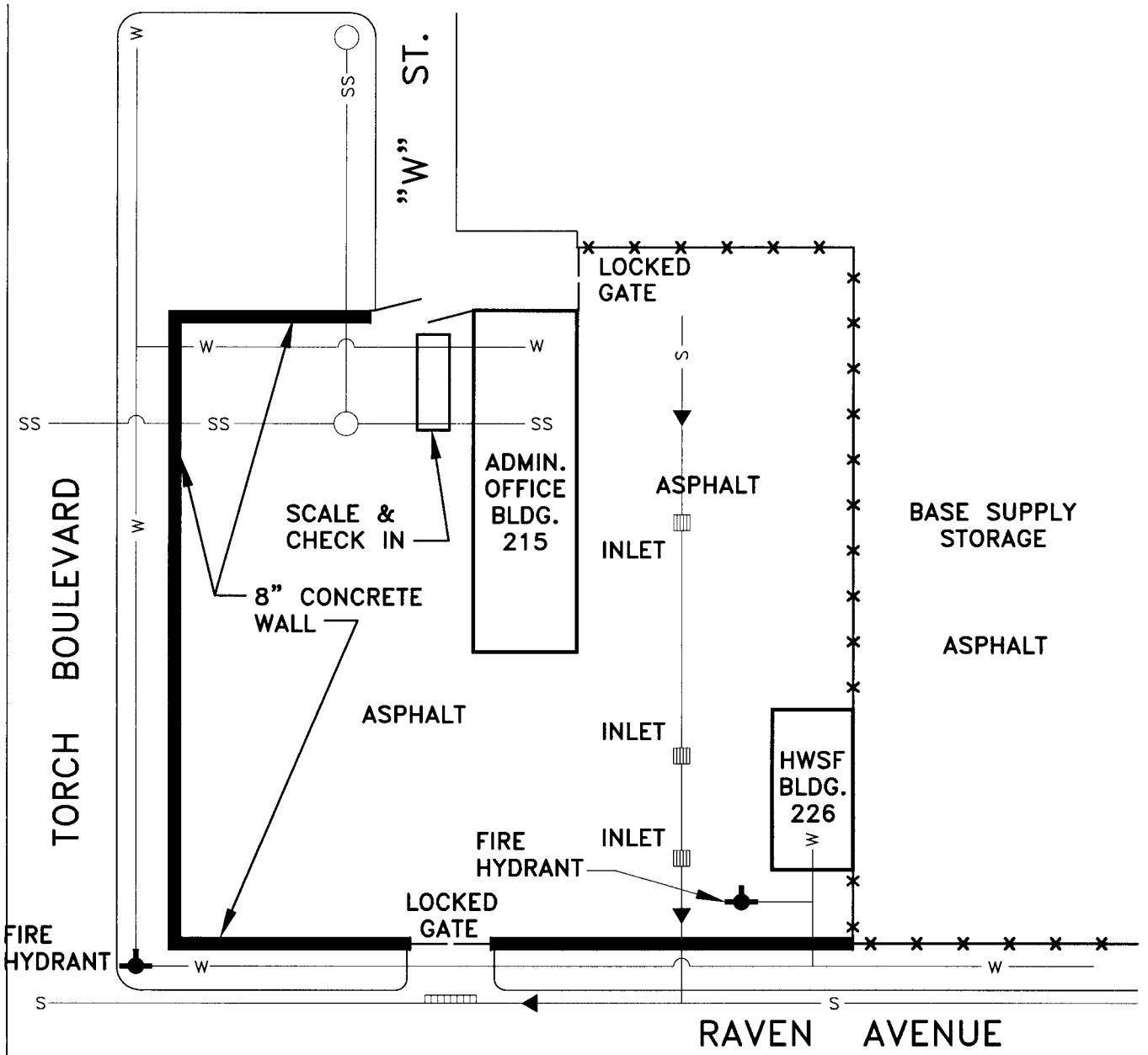

LEGEND

—SS—	SANITARY SEWER
—S—	STORM SEWER
—W—	WATER

N

100 50 0 100

SCALE IN FEET

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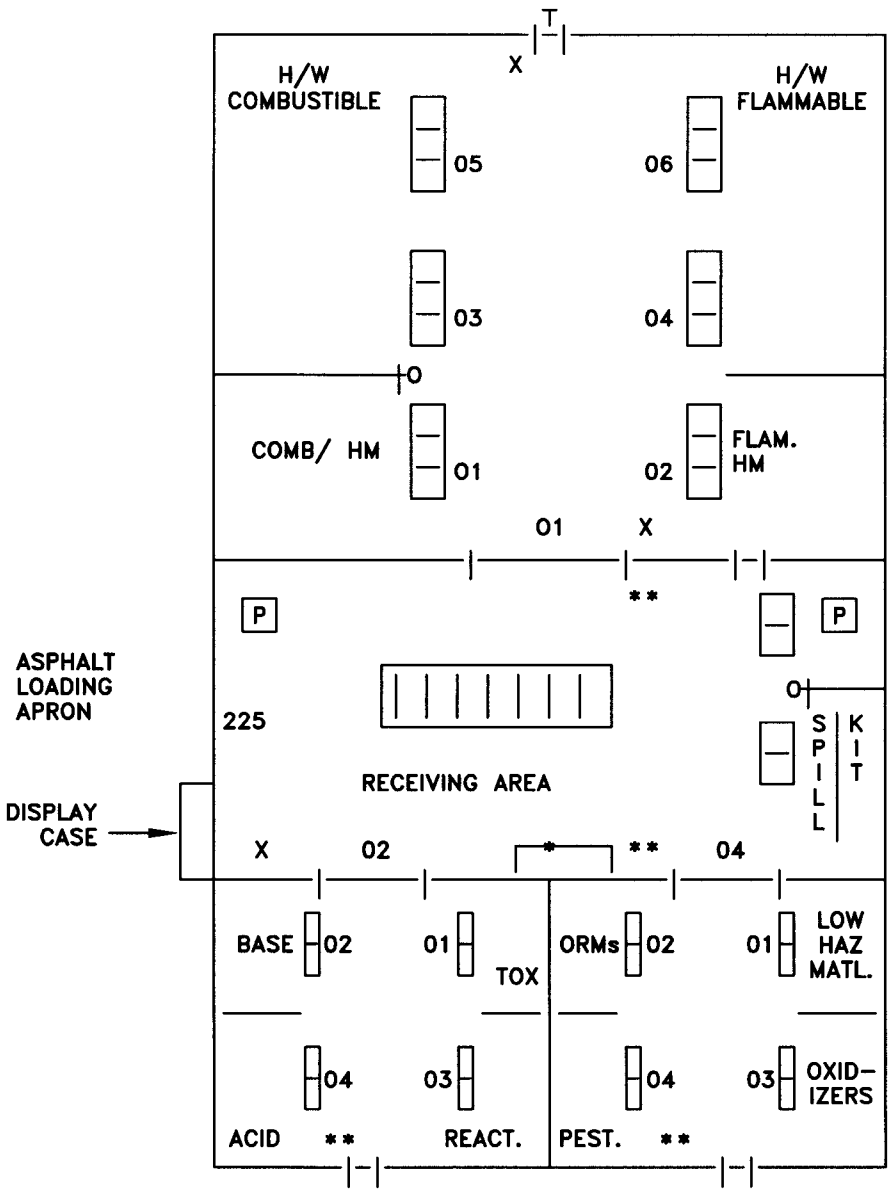
UTILITIES PLAN HAZARDOUS WASTE STORAGE FACILITY
CANNON AIR FORCE BASE
CLOVIS, NEW MEXICO

DRN. BY: DAC	DATE: 05/27/03	PROJECT NO. 16169329	FIG. NO. 2-5
CHK'D. BY: .	DATE: .		



FLOOR PLAN NOT TO SCALE

LEGEND

- O|—— EYE WASH/SHOWER
- |——| OVERHEAD CARGO DOOR
- |–| PERSONNEL FIRE EXIT DOOR
- PHONE
- X HALON 1211 FIRE EXTINGUISHERS
- P PPE LOCKERS
- X X ANNUNCIATOR FIRE ALARM SYSTEM
- ** PULL FIRE ALARM
- T EXHAUST VENTILATION
- SPILL CONTAINMENTS

N

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FLOOR PLAN OF HWSF CANNON AIR FORCE BASE CLOVIS, NEW MEXICO			
DRN. BY: DAC	DATE: 05/27/03	PROJECT NO. 16169329	FIG. NO. 2-6
CHK'D. BY: .	DATE: .		

Closure activities began with a visual inspection of the site to identify areas requiring removal of potential hazardous waste residues, and the selection of a location for the applicable decontamination equipment and temporary waste storage. During closure activities, precautions were taken to prevent run-on and run-off during washing of the concrete surface where the waste containers were stored.

3.1 CONCRETE SURFACE CLEANING

The concrete surface where the waste containers were previously stored was decontaminated using a power washer. The area to be decontaminated consisted of approximately 4,000 square feet of concrete. Due to the slope of the concrete floor, use of temporary structures was not necessary to contain waste liquids. The water generated during the decontamination activities was collected in the floor sumps and collected in an approximately 8,800-gallon (210-barrel) tank. Four samples of the wash water were collected for chemical testing after each of the three rinses, for a total of 12 wash water samples. The wastewater samples were analyzed for Toxicity Leaching Characteristic Leaching Procedure (TCLP) volatile organic compounds (VOCs), TCLP semi-volatile organic compounds (SVOCs), TCLP pesticides, TCLP metals, corrosivity, ignitability, reactive cyanide, reactive sulfide total organic carbon (TOC), total organic halogens (TOX) and pH.

3.2 SAMPLE HANDLING

Samples collected for chemical testing were immediately placed in the appropriate container, labeled, packaged in a cooler with ice, and shipped to the designated laboratory under a chain of custody. The samples were handled in accordance with the procedures in the Closure Plan.

3.3 DECONTAMINATION

The sampling equipment used during the closure operations was decontaminated in the loading/unloading area of the HWSF. This equipment was washed and triple rinsed and the wash water collected in the 8,800-gallon tank.

Because the pump associated with the power washer was kept outside the building, no other tools or equipment used during these operations came into contact with potentially contaminated materials. Therefore, aside from the sampling equipment, no other tools or equipment required decontamination.

4.1 DISCUSSION OF ANALYTICAL RESULTS

The water from the concrete pad decontamination was sampled and these samples were analyzed at an off-site analytical laboratory. The analytical results are summarized in Table 4-1. The laboratory analytical reports are included in Appendix A.

The only chemicals detected in the aliquots of decontamination water that underwent TCLP extraction were metals. Five metals (barium, chromium, mercury, selenium, and silver) were detected at very low concentrations in the decontamination water. As shown in Table 4-1, none of the analytical results exceeds the corresponding TCLP regulatory limit.

The decontamination water samples were also analyzed for several other parameters including corrosivity, ignitability, reactive cyanide, reactive sulfide, TOC and TOX. TOC was the only parameter where the hazardous indicator threshold was exceeded. This slightly elevated TOC concentration was detected in one of the 12 decontamination water samples collected following the initial wash of the receiving area. However, the hazardous indicator threshold (25 mg/L) was not exceeded in either of the samples collected following the two subsequent washes of this area. The average TOC concentration was 9.59 mg/L (calculated using the reporting limit of 1 mg/L for results that were below the reporting limit). In addition, the hazardous indicator threshold for TOC is simply a guide; it is not a regulatory limit.

Based on these results, there is no indication that any of the decontamination water collected following each of the three washes at the HWSF (Building 226) exhibited any hazardous characteristics.

4.2 DATA QUALITY

This section summarizes the results of the data quality review of the laboratory data generated for this investigation. Twelve samples were submitted for chemical analysis to Gulf Coast Analytical Laboratories, Inc. in Baton Rouge, Louisiana. The analytical data were reviewed by URS using guidance provided in the USEPA National Functional Guidelines of Organic and Inorganic Data Review 2001/2002, where applicable to the analytical methods. The data review included evaluation of the following elements:

1. Data Package Completeness: All data package items were delivered as specified in the laboratory scope of services and Chain of Custody (COC).

2. Laboratory Case Narrative: No laboratory case narrative was included with the data package.

3. Holding Time Evaluation: All samples were extracted and analyzed within the holding times specified.

4. Blank Contamination: All Method Blanks were reported as nondetect.

5. Laboratory Control Sample Recoveries: All laboratory control sample (LCS) recoveries were within the historically derived laboratory limits criteria.

6. Surrogate Compound Recoveries: Surrogate recoveries were within evaluation criteria, therefore, no data required qualification.

8. Matrix Spike (MS)/Matrix Spike Duplicate (MSD) Recoveries: No MS/MSDs were analyzed as part of this sample delivery group.

9. Laboratory Duplicate Results: No laboratory duplicate samples were collected as part of this sample delivery group.

10. Field Duplicate Results: No field duplicate samples were collected as part of this sample delivery group.

11. Sample Dilution: No samples were diluted.

12. Additional Qualifications Using Professional Judgment: No additional qualifications were applied to the sample delivery group based on Professional judgement.

Based on the data review, the analytical data generated, including data qualified estimated (**J**), are acceptable for their intended use.

TABLE 4-1
SUMMARY OF ANALYTICAL RESULTS
HWSF (BUILDING 226) CLOSURE - CANNON AFB, NEW MEXICO

FIELD ID			IGNT-0003-0001			IGNT-0003-0002			IGNT-0003-0003			PEST-0003-0001			PEST-0003-0002			PEST-0003-0003		
DATE COLLECTED			June 24, 2003			June 24, 2003			June 25, 2003			June 24, 2003			June 24, 2003			June 25, 2003		
	Maximum	**Frequency**	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual
VOLATILE ORGANIC COMPOUNDS (mg/L)																				
1,1-Dichloroethene	ND	0 / 12	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U
1,2-Dichloroethane	ND	0 / 12	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U
Benzene	ND	0 / 12	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U
Carbon Tetrachloride	ND	0 / 12	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U
Chlorobenzene	ND	0 / 12	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U
Chloroform	ND	0 / 12	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U
Methyl Ethyl Ketone (2-Butanone)	ND	0 / 12	<	0.025	U	<	0.025	U	<	0.025	U	<	0.025	U	<	0.025	U	<	0.025	U
Tetrachloroethene	ND	0 / 12	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U
Trichloroethene	ND	0 / 12	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U
Vinyl Chloride	ND	0 / 12	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U
SEMIVOLATILE ORGANIC COMPOUNDS (mg/L)																				
1,4-Dichlorobenzene	ND	0 / 12	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U
2,4,5-Trichlorophenol	ND	0 / 12	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U
2,4,6-Trichlorophenol	ND	0 / 12	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U
2,4-Dinitrotoluene	ND	0 / 12	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U
2-Methylphenol (o-cresol)	ND	0 / 12	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U
Cresols, M & P	ND	0 / 12	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U
Cresols, Total	ND	0 / 12	<	0.1	U	<	0.1	U	<	0.1	U	<	0.1	U	<	0.1	U	<	0.1	U
Hexachlorobenzene	ND	0 / 12	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U
Hexachlorobutadiene	ND	0 / 12	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U
Hexachloroethane	ND	0 / 12	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U
Nitrobenzene	ND	0 / 12	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U
Pentachlorophenol	ND	0 / 12	<	0.1	U	<	0.1	U	<	0.1	U	<	0.1	U	<	0.1	U	<	0.1	U
Pyridine	ND	0 / 12	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U

TABLE 4-1
SUMMARY OF ANALYTICAL RESULTS
HWSF (BUILDING 226) CLOSURE - CANNON AFB, NEW MEXICO

FIELD ID			IGNT-0003-0001			IGNT-0003-0002			IGNT-0003-0003			PEST-0003-0001			PEST-0003-0002			PEST-0003-0003		
DATE COLLECTED			June 24, 2003			June 24, 2003			June 25, 2003			June 24, 2003			June 24, 2003			June 25, 2003		
	Maximum	**Frequency**	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual
PESTICIDES (ORGANOCHLORINE) (mg/L)																				
Endrin	ND	0 / 12	<	0.001	U	<	0.001	U	<	0.001	U	<	0.001	U	<	0.001	U	<	0.001	U
gamma-BHC (Lindane)	ND	0 / 12	<	0.0005	U	<	0.0005	U	<	0.0005	U	<	0.0005	U	<	0.0005	U	<	0.0005	U
Heptachlor	ND	0 / 12	<	0.0005	U	<	0.0005	U	<	0.0005	U	<	0.0005	U	<	0.0005	U	<	0.0005	U
Heptachlor epoxide	ND	0 / 12	<	0.0005	U	<	0.0005	U	<	0.0005	U	<	0.0005	U	<	0.0005	U	<	0.0005	U
Methoxychlor	ND	0 / 12	<	0.025	U	<	0.025	U	<	0.025	U	<	0.025	U	<	0.025	U	<	0.025	U
Technical Chlordane	ND	0 / 12	<	0.025	U	<	0.025	U	<	0.025	U	<	0.025	U	<	0.025	U	<	0.025	U
Toxaphene	ND	0 / 12	<	0.25	U	<	0.25	U	<	0.25	U	<	0.25	U	<	0.25	U	<	0.25	U
METALS (mg/L)																				
Arsenic	ND	0 / 12	<	0.2	U	<	0.2	U	<	0.2	U	<	0.2	U	<	0.2	U	<	0.2	U
Barium	0.16 J	12 / 12	0.13	1	J	0.1	1	J	0.11	1	J	0.13	1	J	0.14	1	J	0.067	1	J
Cadmium	ND	0 / 12	<	0.01	U	<	0.01	U	<	0.01	U	<	0.01	U	<	0.01	U	<	0.01	U
Chromium	0.05	12 / 12	0.024	0.05	J	0.016	0.05	J	0.013	0.05	J	0.05	0.05		0.0057	0.05	J	0.0078	0.05	J
Lead	ND	0 / 12	<	0.1	U	<	0.1	U	<	0.1	U	<	0.1	U	<	0.1	U	<	0.1	U
Mercury	0.00035	12 / 12	0.00016	0.0002	J	0.00029	0.0002		0.00033	0.0002		0.00012	0.0002	J	0.00024	0.0002		0.00034	0.0002	
Selenium	0.0089 J	3 / 12	0.0089	0.1	J	<	0.1	U	0.0065	0.1	J	<	0.1	U	<	0.1	U	<	0.1	U
Silver	0.00076 J	6 / 12	<	0.05	U	<	0.05	U	0.00068	0.05	J	0.00073	0.05	J	<	0.05	U	0.00043	0.05	J
OTHER PARAMETERS	**Range**																			
Corrosivity (pH)	7.59 - 8.1	0 / 0	7.59	1		8.1	1		7.97	1		7.67	1		7.82	1		7.8	1	
Ignitability (°F)	All > 212	0 / 0	>	212		>	212		>	212		>	212		>	212		>	212	
OTHER PARAMETERS (mg/L)	**Maximum**																			
Reactive Cyanide	ND	0 / 12	<	250	U	<	250	U	<	250	U	<	250	U	<	250	U	<	250	U
Reactive Sulfide	ND	0 / 12	<	80	U	<	80	U	<	80	U	<	80	U	<	80	U	<	80	U
Total Organic Carbon (TOC)	28.4	10 / 12	17.9	1		4.1	1		2.6	1		24.8	1		<	1	U	<	1	U
Total Organic Halides (TOX)	0.0901	12 / 12	54.6	10		36.9	10		67.7	40		90.1	10		31.4	10		30.1	10	

Notes:
mg/L= milligram per liter
ND = Not Detected
RL = Reporting Limit
Qual = Qualifier
J = Estimated
U = Nondetect
The calculation of detection frequency does not include results from reanalyzed samples.

TABLE 4-1
SUMMARY OF ANALYTICAL RESULTS
HWSF (BUILDING 226) CLOSURE - CANNON AFB, NEW MEXICO

FIELD ID			REAC-0003-0001			REAC-0003-0002			REAC-0003-0003			RECV-0001-0001			RECV-0001-0002			RECV-0001-0003		
DATE COLLECTED			June 24, 2003			June 25, 2003			June 25, 2003			June 24, 2003			June 25, 2003			June 25, 2003		
	Maximum	**Frequency**	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual
VOLATILE ORGANIC COMPOUNDS (mg/L)																				
1,1-Dichloroethene	ND	0 / 12	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U
1,2-Dichloroethane	ND	0 / 12	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U
Benzene	ND	0 / 12	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U
Carbon Tetrachloride	ND	0 / 12	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U
Chlorobenzene	ND	0 / 12	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U
Chloroform	ND	0 / 12	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U
Methyl Ethyl Ketone (2-Butanone)	ND	0 / 12	<	0.025	U	<	0.025	U	<	0.025	U	<	0.025	U	<	0.025	U	<	0.025	U
Tetrachloroethene	ND	0 / 12	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U
Trichloroethene	ND	0 / 12	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U
Vinyl Chloride	ND	0 / 12	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U	<	0.005	U
SEMIVOLATILE ORGANIC COMPOUNDS (mg/L)																				
1,4-Dichlorobenzene	ND	0 / 12	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U
2,4,5-Trichlorophenol	ND	0 / 12	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U
2,4,6-Trichlorophenol	ND	0 / 12	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U
2,4-Dinitrotoluene	ND	0 / 12	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U
2-Methylphenol (o-cresol)	ND	0 / 12	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U
Cresols, M & P	ND	0 / 12	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U
Cresols, Total	ND	0 / 12	<	0.1	U	<	0.1	U	<	0.1	U	<	0.1	U	<	0.1	U	<	0.1	U
Hexachlorobenzene	ND	0 / 12	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U
Hexachlorobutadiene	ND	0 / 12	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U
Hexachloroethane	ND	0 / 12	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U
Nitrobenzene	ND	0 / 12	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U
Pentachlorophenol	ND	0 / 12	<	0.1	U	<	0.1	U	<	0.1	U	<	0.1	U	<	0.1	U	<	0.1	U
Pyridine	ND	0 / 12	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U	<	0.05	U

TABLE 4-1
SUMMARY OF ANALYTICAL RESULTS
HWSF (BUILDING 226) CLOSURE - CANNON AFB, NEW MEXICO

FIELD ID			REAC-0003-0001			REAC-0003-0002			REAC-0003-0003			RECV-0001-0001			RECV-0001-0002			RECV-0001-0003		
DATE COLLECTED			June 24, 2003			June 25, 2003			June 25, 2003			June 24, 2003			June 25, 2003			June 25, 2003		
	Maximum	**Frequency**	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual
PESTICIDES (ORGANOCHLORINE) (mg/L)																				
Endrin	ND	0 / 12	<	0.001	U	<	0.001	U	<	0.001	U	<	0.001	U	<	0.001	U	<	0.001	U
gamma-BHC (Lindane)	ND	0 / 12	<	0.0005	U	<	0.0005	U	<	0.0005	U	<	0.0005	U	<	0.0005	U	<	0.0005	U
Heptachlor	ND	0 / 12	<	0.0005	U	<	0.0005	U	<	0.0005	U	<	0.0005	U	<	0.0005	U	<	0.0005	U
Heptachlor epoxide	ND	0 / 12	<	0.0005	U	<	0.0005	U	<	0.0005	U	<	0.0005	U	<	0.0005	U	<	0.0005	U
Methoxychlor	ND	0 / 12	<	0.025	U	<	0.025	U	<	0.025	U	<	0.025	U	<	0.025	U	<	0.025	U
Technical Chlordane	ND	0 / 12	<	0.025	U	<	0.025	U	<	0.025	U	<	0.025	U	<	0.025	U	<	0.025	U
Toxaphene	ND	0 / 12	<	0.25	U	<	0.25	U	<	0.25	U	<	0.25	U	<	0.25	U	<	0.25	U
METALS (mg/L)																				
Arsenic	ND	0 / 12	<	0.2	U	<	0.2	U	<	0.2	U	<	0.2	U	<	0.2	U	<	0.2	U
Barium	0.16 J	12 / 12	0.16	1	J	0.12	1	J	0.12	1	J	0.12	1	J	0.067	1	J	0.11	1	J
Cadmium	ND	0 / 12	<	0.01	U	<	0.01	U	<	0.01	U	<	0.01	U	<	0.01	U	<	0.01	U
Chromium	0.05	12 / 12	0.037	0.05	J	0.008	0.05	J	0.0067	0.05	J	0.015	0.05	J	0.0052	0.05	J	0.006	0.05	J
Lead	ND	0 / 12	<	0.1	U	<	0.1	U	<	0.1	U	<	0.1	U	<	0.1	U	<	0.1	U
Mercury	0.00035	12 / 12	0.00018	0.0002	J	0.00025	0.0002		0.00035	0.0002		0.00012	0.0002	J	0.0003	0.0002		0.00027	0.0002	
Selenium	0.0089 J	3 / 12	0.0046	0.1	J	<	0.1	U	<	0.1	U	<	0.1	U	<	0.1	U	<	0.1	U
Silver	0.00076 J	6 / 12	0.00076	0.05	J	0.00076	0.05	J	<	0.05	U	0.00041	0.05	J	<	0.05	U	<	0.05	U
OTHER PARAMETERS	**Range**																			
Corrosivity (pH)	7.59 - 8.1	0 / 0	7.59	1		7.73	1		7.79	1		7.82	1		7.63	1		7.88	1	
Ignitability (°F)	All > 212	0 / 0	>	212		>	212		>	212		>	212		>	212		>	212	
OTHER PARAMETERS (mg/L)	**Maximum**																			
Reactive Cyanide	ND	0 / 12	<	250	U	<	250	U	<	250	U	<	250	U	<	250	U	<	250	U
Reactive Sulfide	ND	0 / 12	<	80	U	<	80	U	<	80	U	<	80	U	<	80	U	<	80	U
Total Organic Carbon (TOC)	28.4	10 / 12	24.2	1		2.9	1		1.3	1		28.4	1		3.4	1		3.5	1	
Total Organic Halides (TOX)	0.0901	12 / 12	63	10		86.5	40		28.7	10		80.4	10		31.7	10		35.4	10	

Notes:
mg/L= milligram per liter
ND = Not Detected
RL = Reporting Limit
Qual = Qualifier
J = Estimated
U = Nondetect
The calculation of detection frequency does not include results from r

TABLE 4-2
COMPARISON OF MAXIMUM CHEMICAL DETECTIONS TO TCLP[1] REGULATORY LIMITS
HWSF (BUILDING 226) CLOSURE - CANNON AFB, NEW MEXICO

	Frequency of Detection	Maximum Result (mg/L)	TCLP Regulatory Limit [2] (mg/L)
VOLATILE ORGANIC COMPOUNDS (mg/L)			
1,1-Dichloroethene	0 / 12	ND	0.7
1,2-Dichloroethane	0 / 12	ND	0.5
Benzene	0 / 12	ND	0.5
Carbon Tetrachloride	0 / 12	ND	0.5
Chlorobenzene	0 / 12	ND	100.0
Chloroform	0 / 12	ND	6.0
Methyl Ethyl Ketone (2-Butanone)	0 / 12	ND	200.0
Tetrachloroethene	0 / 12	ND	0.7
Trichloroethene	0 / 12	ND	0.5
Vinyl Chloride	0 / 12	ND	0.2
SEMIVOLATILE ORGANIC COMPOUNDS (mg/L)			
1,4-Dichlorobenzene	0 / 12	ND	7.5
2,4,5-Trichlorophenol	0 / 12	ND	400.0
2,4,6-Trichlorophenol	0 / 12	ND	2.0
2,4-Dinitrotoluene	0 / 12	ND	0.13
2-Methylphenol (o-cresol)	0 / 12	ND	200.0
Cresols, M & P	0 / 12	ND	200.0
Cresols, Total	0 / 12	ND	200.0
Hexachlorobenzene	0 / 12	ND	0.13
Hexachlorobutadiene	0 / 12	ND	0.5
Hexachloroethane	0 / 12	ND	3.0
Nitrobenzene	0 / 12	ND	2.0
Pentachlorophenol	0 / 12	ND	100.0
Pyridine	0 / 12	ND	5.0
PESTICIDES (ORGANOCHLORINE) (mg/L)			
Endrin	0 / 12	ND	0.02
gamma-BHC (Lindane)	0 / 12	ND	0.4
Heptachlor	0 / 12	ND	0.008
Heptachlor epoxide	0 / 12	ND	0.008
Methoxychlor	0 / 12	ND	10.0
Technical Chlordane	0 / 12	ND	0.03
Toxaphene	0 / 12	ND	0.5
METALS (mg/L)			
Arsenic	0 / 12	ND	5.0
Barium	12 / 12	0.16 J	100.0
Cadmium	0 / 12	ND	1.0
Chromium	12 / 12	0.05	5.0
Lead	0 / 12	ND	5.0
Mercury	12 / 12	0.00035	0.2
Selenium	3 / 12	0.0089 J	1.0
Silver	6 / 12	0.00076 J	5.0

Notes:

mg/L= milligram per liter

ND = Not Detected

The calculation of detection frequency does not include results from reanalyzed samples.

[1] TCLP = Toxicity Characteristic Leaching Procedure

[2] TCLP Regulatory Limits published in 40 CFR Part 261 Appendix II

TABLE 4-3
COMPARISON OF OTHER ANALYTICAL RESULTS TO REGULATORY THRESHOLD
HWSF (BUILDING 226) CLOSURE - CANNON AFB, NEW MEXICO

	Frequency of Detection	Summary of Results	Hazardous Indicator Threshold	Number of Detections > Hazardous Indicator Threshold
OTHER PARAMETERS		**Range**		
Corrosivity (pH)	0 / 0	7.59 - 8.1	<2 or > 12.5	
Ignitability (°F)	0 / 0	All > 212	140	
OTHER PARAMETERS (mg/L)		**Maximum**		
Reactive Cyanide	0 / 12	ND	1	
Reactive Sulfide	0 / 12	ND	NE	
Total Organic Carbon (TOC)	**10 / 12**	**28.4**	**25.0**	**1 / 12**
Total Organic Halides (TOX)	12 / 12	0.0901	25	

Notes:

mg/L= milligram per liter

ND = Not Detected

NE = Not Established

The calculation of detection frequency does not include results from reanalyzed samples.

The HWSF (Building 226) has been closed in accordance with Permit Number NM 7572124454-1. No additional field activities, chemical testing, or post-closure activities are planned for HWSF. Key elements supporting this conclusion include the following:

- Waste containers were stored on the site for a limited time.
- All hazardous waste and materials remaining in inventory were removed to a New Mexico- and/or USEPA-permitted treatment, storage, and/or disposal or recycling facility.
- After the final inventory of hazardous waste was removed, the HWSF was inspected for loose items, i.e., papers, pallets, or empty containers. All of these items were removed and properly disposed.
- The low levels of chemicals detected in the wash water samples from the site after completing closure activities fall below the corresponding TCLP regulatory limits. It is therefore reasonable to assume that all hazardous residues have been removed from this building.

United States Environmental Protection Agency (USEPA). 2002.Test Methods for Evaluation Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update IIIB, Revision 6. August.

United States Environmental Protection Agency (USEPA). 1985. Publication 600/2-85/104, Practical Guide for Groundwater Sampling.

United States Environmental Protection Agency (USEPA). 1983. Publication 600/4-79/020, Methods for Chemical Analysis of Water and Wastes. March.

United States Environmental Protection Agency (USEPA). 1993. Publication 600/R-93/116, Method for the Determination of Asbestos in Bulk Building Materials. July.

United States Environmental Protection Agency (USEPA). 1998. Publication 600/R-98/018, USEPA Guidance for Quality Assurance Project Plans, USEPA QA/G-5. February.

United States Environmental Protection Agency (USEPA). 1998. USEPA Requirements for Quality Assurance Project Plans (QA/R-5). October.

URS. 2003. Closure Work Plan for Hazardous Waste Storage Facility (Building 226). Cannon Air Force Base, New Mexico. May.

GCAL

GULF COAST ANALYTICAL LABORATORIES, INC

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date: 07/18/2003

GCAL REPORT NO: 203062602

Deliver To:	URS Corporation 12120 Shamrock Plaza Suite 300 Omaha, NE 68154
Attn:	Craig Johnson

PROJECT NAME: Cannon AFB HWSF Closure

Quantity of Samples: 6

Laboratory Contact: Julie Borne

7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402 • Phone 225.769.4900 • Fax 225.767.5717

LABORATORY ENDORSEMENT

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 Days unless otherwise arranged. Following this retention period the samples will be disposed of in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND-Indicates that the parameter was not detected at the specified detection limit
DO-Indicates that the result was diluted out
MI-Indicates that the result was subject to Matrix Interference
TNTC-Indicates that the result was Too Numerous to Count
SUBC-Indicates that the analysis was subcontracted
FLD-Indicates that the parameter was performed in the field
PQL-Practical Quantitation Limit
MDL-Method Detection Limit
RDL-Reporting Detection Limit for Quality Control Samples

Reporting Flags Utilized in this Report

J-Indicates that the result was detected between the PQL and MDL
U-Indicates that the result was not detected at the referenced detection limit
B-Organics Indicates that the compound was detected in the associated Method Blank
B-Inorganics Indicates that the compound was detected between the PQL and MDL
R-Indicates that the compound was Rejected and is reported from another analytical run

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with ISO Guide 25 and NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This Report pertains only to the samples listed in the Sample Cross-Reference and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the Client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the condition detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Scott A. Bailey

SCOTT A. BAILEY
OPERATIONS MANAGER
GCAL REPORT NO.: 203062602

CASE NARRATIVE

Client: URS Corporation/Omaha, NE **Report:** 203062602

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In analytical batch 259279, no MS/MSD was performed due to insufficient sample volume. The LCS/LCSD is included for review.

SEMI-VOLATILES MASS SPECTROMETRY

The recovery for the surrogate, Phenol-d5 was above the upper control limit for all samples including QC. The recovery for the surrogate, 2-Fluorophenol was above the upper control limit for samples 20306260205 (IGNT-0003-0002), LCS (106364), and MS (IGNT-0003-0001). The recovery for the surrogate, Terphenyl-d14 was above the upper control limit for sample 20306260205 (IGNT-0003-0002). All other surrogate recoveries for the batch were acceptable. No target analytes were detected in these samples.

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the Pesticide analysis of sample 20306260202 (PEST-0003-0001), the recoveries for the surrogates, Decachlorobiphenyl and Tetrachloro-m-xylene were above control limits, however there were no target analytes present in the sample.

METALS

The Sample/Duplicate RPD for Mercury for prep batch 259238 is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit.

The Sample/Duplicate RPD for Selenium for prep batch 259237 is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit.

CONVENTIONALS

The Sample/Duplicate RPD for Total Organic Carbon for analytical batch 259210 is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit.

PRESERVATION CHECKLIST / COOLER RECEIPT

Gulf Coast Analytical Laboratories, Inc.

WO: 203062602
Desc:
Work ID: Cannon AFB HWSF Closure
Project Seq: 13511
Client: 4442 - URS Corporation/Omaha, NE
Profile: 56410 - CANNON - Cannon AFB HWSF Closure

Type: D
Report: REVIEW_RPT
Status: WP
Created: 6/26/03 7:38
QA:
PO: Sub No. 75833

WORKORDER SAMPLES

Container ID	Type	Preservative	pH PRESERVATIVE A	pH PRESERVATIVE U	pH PRESERVATIVE N\A	VOA HEADSPACE A	VOA HEADSPACE U	VOA HEADSPACE N\A	CONTAINER CONDITION
20306260201-1	40	HCL+SS	✓			✓			OK
20306260201-2	LA	NONE			X			X	OK
20306260201-3	LA	NONE			X			X	OK
20306260201-4	LA	NONE			X			X	OK
20306260201-5	LC	NONE			X			X	OK
20306260201-6	4	HCL	✓					X	OK
20306260201-7	LA	Na2SO3	✓					X	OK

Container ID	Type	Preservative	A	U	N\A	A	U	N\A	CONTAINER CONDITION
20306260202-1	40	HCL+SS	✓			✓			OK
20306260202-2	LA	NONE			X			X	OK
20306260202-3	LA	NONE			X			X	OK
20306260202-4	LA	NONE			X			X	OK
20306260202-5	LC	NONE			X			X	OK
20306260202-6	4	HCL	✓					X	OK
20306260202-7	LA	Na2SO3	✓					X	OK

Container ID	Type	Preservative	A	U	N\A	A	U	N\A	CONTAINER CONDITION
20306260203-1	40	HCL+SS	✓			✓			OK
20306260203-2	LA	NONE			X			X	OK
20306260203-3	LA	NONE			X			X	OK
20306260203-4	LA	NONE			X			X	OK
20306260203-5	LC	NONE			X			X	OK
20306260203-6	4	HCL	✓					X	OK
20306260203-7	LA	Na2SO3	✓					X	OK

Container ID	Type	Preservative	pH PRESERVATIVE A	U	N\A	VOA HEADSPACE A	U	N\A	CONTAINER CONDITION
20306260204-1	40	HCL+SS	/			/			OK
20306260204-2	LA	NONE			X			X	OK
20306260204-3	LA	NONE			X			X	OK
20306260204-4	LA	NONE			X			X	OK
20306260204-5	LC	NONE			X			X	OK
20306260204-6	4	HCL	/					X	OK
20306260204-7	LA	Na2SO3	/					X	OK

Container ID	Type	Preservative	A	U	N\A	A	U	N\A	CONTAINER CONDITION
20306260205-1	40	HCL+SS	/			/			OK
20306260205-2	LA	NONE			X			X	OK
20306260205-3	LA	NONE			X			X	OK
20306260205-4	LA	NONE			X			X	OK
20306260205-5	LC	NONE			X			X	OK
20306260205-6	4	HCL	/					X	OK
20306260205-7	LA	Na2SO3	/					X	OK

Container ID	Type	Preservative	A	U	N\A	A	U	N\A	CONTAINER CONDITION
20306260206-1	40	HCL+SS	/			/			OK
20306260206-2	LA	NONE			X			X	OK
20306260206-3	LA	NONE			X			X	OK
20306260206-4	LA	NONE			X			X	OK
20306260206-5	LC	NONE			X			X	OK
20306260206-6	4	HCL	/					X	OK
20306260206-7	LA	Na2SO3	/					X	OK

A = ACCEPTABLE
U = UNACCEPTABLE
N\A = NOT APPLICABLE

COOLER (S) TEMPERATURE (A) U LIMIT = 4C + \ - 2C

MAXIMUM VOLATILE HEADSPACE BUBBLE 6MM

Custody Seal
used [ ] Yes [✓] No
in tact [ ] Yes [ ] No

CUSTODIAN _____

See Login Discrepancy form

LOGIN DISCREPANCY

CLIENT	CLIENT NUMBER	GROUP NUMBER
URS	4442	2030626602

Comments/Discrepancies noted by: JTS **Date:** 6/25/03

Sample Jars broken

REAC-0003-0001 | 6/24/03 | 12:00 | TCLP SVOA

REAC-0003-0001 | 6/24/03 | 12:00 | TCLP Pest

Comments/Corrective Action by: JEB **Date:** 6/26

Should be alright for volume - OK

UKS Corporation
12120 Shamrock, Suite 300, Omaha, NE 68154 (402) 334-8181 Fax (402) 334-1984

CHAIN OF CUSTODY RECORD

Project Name: Cannon AFB HWSF Closure
Project No.: 16169329.07000
Project Location: Clovis, NM
Project Manager: S. Cox
Sampler(s): J. Smith

Sample Date	Sample Time	Type Comp.	Type Grab	Sample Identification	Matrix	Containers No.	Containers Type	RCI + pH	TCLP VOC	TCLP SVOC	TCLP Metals (RCRA-H)	TCLP Pesticides	TOC	TOX				Remarks
6/24/03	1100		X	IGNT-0003-0001	WATER	1	32 oz	X										Check pH first
						3	40 ml		X									
						1	950 ml			X								
						1	950 ml				X							
						1	950 ml					X						
						1	4 oz						X					
						1	950 ml							X				
6/24/03	1130		X	PEST-0003-0001	WATER	3	40 ml		X									
						1	950 ml							X				
						1	950 ml				X							
						1	4 oz						X					
						1	32 oz	X										Check pH first

Signatures	Date	Time
Relinquished by: [signature]	6/24/03	1600
Received by:		
Relinquished by: Fed ex		
Received for Laboratory by: Judi Smith	6/25/03	0915

Shipping Details:
Method of Shipment: FEDEX
Airbill No.: 8393291 31870
Lab Address: GCAL, 7979 GSRI Avenue, Baton Rouge, LA 70820-7402

Special Instructions:

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UKS Corporation
12120 Shamrock, Suite 300, Omaha, NE 68154 (402) 334-8181 Fax (402) 334-1984

CHAIN OF CUSTODY RECORD

Project Name: CANNON AFB HWSF Closure
Project No.: 16169329.07000
Project Location: Clovis NM
Project Manager: S. Cox
Sampler(s): J. SMITH

Analytical Parameters

Sample Date	Sample Time	Type Comp.	Type Grab	Sample Identification	Matrix	Containers No.	Containers Type	RCI + pH	TCLP VOC	TCLP SVOC	TCLP Metals (Reac + Hg)	TCLP Pesticides	TOC	TOX				Remarks
6/24/03	1130		X	PEST-0003-0001	WATER	1	950 ml			X								
↓	↓		↓	↓ ↓	↓	1	950 ml				X	X						
6/24/03	1200		X	REAC-0003-0001	WATER	1	32 oz	X										Check pH first
↓	↓		↓	↓ ↓	↓	3	40 ml		X									
						1	950 ml			X								
						1	950 ml				X							
						1	950 ml					X						
						1	4 oz						X					
↓	↓		↓	↓ ↓	↓	1	950 ml							X				
6/24/03	1230		X	RECV-0001-0001	WATER	1	32 oz	X										Check pH first

Signatures	Date	Time	Shipping Details	Special Instructions
Relinquished by: Jeff G. Smith	6/24/03	1400	Method of Shipment: FED EX	
Received by:			Airbill No.: 839329131928	
Relinquished by: Fedex			Lab Address: GCAL, 7979 GSRI Ave, Baton Rouge, LA 70820-7402	
Received for Laboratory by: Judi Smith	6/25/03	0915		

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118207

URS Corporation
12120 Shamrock, Suite 300, Omaha, NE 68154 (402) 334-8181 Fax (402) 334-1984

CHAIN OF CUSTODY RECORD

Project Name: Cannon AFB HWSF Closure
Project No.: 16169329.07000
Project Location: Clovis NM
Project Manager: S. Cox
Sampler(s):

Sample Date	Sample Time	Type Comp.	Type Grab	Sample Identification	Matrix	Containers No.	Containers Type	RCI + pH	TCLP VOC	TCLP SVOC	TCLP Metal (RCRA + Hg)	TCLP Pesticides	TOC	TOX				Remarks
6/24/03	1230		X	RECV-0001-0001	WATER	3	40 ml		X									
						1	950 ml			X								
						1	950 ml				X							
						1	950 ml					X						
						1	4 oz						X					
						1	950 ml							X				
6/24/03	1430		X	IGNT-0003-0002	WATER	1	32 oz	X										Check pH first
						1	4 oz						X					
						1	950 ml			X								
						1	950 ml					X						

Signatures	Date	Time	Shipping Details	Special Instructions
Relinquished by: [signature]	6/24/03	1600	Method of Shipment: FED EX	
Received by:			Airbill No.: 839329131939	
Relinquished by: Fedex			Lab Address: GCAL, 7979 GSRI AVE, BATON ROUGE, LA 70820	
Received for Laboratory by: Judi Smith	6/25/03	0915		

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118208

UKS Corporation
12120 Shamrock Suite 300, Omaha, NE 68154 (402) 334-8181 Fax (402) 334-1984

CHAIN OF CUSTODY RECORD

Project Name: Cannon AFB HWSF Closure
Project No.: 16169329.07000
Project Location: Clovis NM
Project Manager: S. Cox
Sampler(s): J. Smith

Analytical Parameters

Sample Date	Sample Time	Type Comp.	Type Grab	Sample Identification	Matrix	Containers No.	Containers Type	RCI + pH	TCLP VOC	TCLP SVOC	TCLP Metal (RCRA + Hg)	TCLP Pesticides	TOC	TOX				Remarks
6/24/03	1430		X	IGNT-0003-0002	Water	1	950 ml							X				
↓	↓		↓	↓	↓	1	950 ml				X							
↓	↓		↓	↓	↓	3	40 ml		X									
6/24/03	1500		X	PEST-0003-0002	Water	1	32 ml	X										Check pH first
↓	↓		↓	↓	↓	3	40 ml		X									
↓	↓		↓	↓	↓	1	950 ml			X								
↓	↓		↓	↓	↓	1	950 ml				X							
↓	↓		↓	↓	↓	1	950 ml					X						
↓	↓		↓	↓	↓	1	4 oz						X					
↓	↓		↓	↓	↓	1	950 ml							X				

Signatures	Date	Time	Shipping Details	Special Instructions
Relinquished by: [signature]	6/24/03	1600	Method of Shipment: FEDEX	
Received by:			Airbill No.: 839 329 131880	
Relinquished by: Fedex			Lab Address: GCAL, 7979 GSRI AVE, Baton Rouge, LA 70820	
Received for Laboratory by: Judi Smith	6/25/03	0915		

4

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118209

SAMPLE CROSS-REFERENCE

GCAL ID	CLIENT ID	MATRIX	SAMPLE DATE/TIME	RECEIVE DATE/TIME
20306260201	IGNT-0003-0001	Water	6/24/03 11:00	6/25/03 9:15
20306260202	PEST-0003-0001	Water	6/24/03 11:30	6/25/03 9:15
20306260203	REAC-0003-0001	Water	6/24/03 12:00	6/25/03 9:15
20306260204	RECV-0001-0001	Water	6/24/03 12:30	6/25/03 9:15
20306260205	IGNT-0003-0002	Water	6/24/03 14:30	6/25/03 9:15
20306260206	PEST-0003-0002	Water	6/24/03 15:00	6/25/03 9:15

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260201	IGNT-0003-0001	Water	6/24/03 11:00	6/25/03 09:15	

1010 Flashpoint

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	7/1/03 11:00	HLO	259399

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
000000-01-3	FlashPoint	>212	50	50	Deg F

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260202	PEST-0003-0001	Water	6/24/03 11:30	6/25/03 09:15	

1010 Flashpoint

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	7/1/03 11:00	HLO	259399

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
000000-01-3	FlashPoint	>212	50	50	Deg F

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260203	REAC-0003-0001	Water	6/24/03 12:00	6/25/03 09:15	

1010 Flashpoint

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	7/1/03 11:00	MDT	259399

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
000000-01-3	FlashPoint	>212	50	50	Deg F

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260204	RECV-0001-0001	Water	6/24/03 12:30	6/25/03 09:15	

1010 Flashpoint

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	7/1/03 11:00	MDT	259399

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
000000-01-3	FlashPoint	>212	50	50	Deg F

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260205	IGNT-0003-0002	Water	6/24/03 14:30	6/25/03 09:15	

1010 Flashpoint

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	7/1/03 11:00	HLO	259399

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
000000-01-3	FlashPoint	>212	50	50	Deg F

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260206	PEST-0003-0002	Water	6/24/03 15:00	6/25/03 09:15	

1010 Flashpoint

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	7/7/03 10:30	HLO	259611

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
000000-01-3	FlashPoint	>212	50	50	Deg F

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260201	IGNT-0003-0001	Water	6/24/03 11:00	6/25/03 09:15	

4500 H+B Water - pH

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	6/26/03 10:30	OLT	259212

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
pH	pH	7.59	1.00	1.00	pH unit

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260202	PEST-0003-0001	Water	6/24/03 11:30	6/25/03 09:15	

4500 H+B Water - pH

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	6/26/03 10:30	OLT	259212

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
pH	pH	7.67	1.00	1.00	pH unit

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260203	REAC-0003-0001	Water	6/24/03 12:00	6/25/03 09:15	

4500 H+B Water - pH

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	6/26/03 10:30	OLT	259212

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
pH	pH	7.59	1.00	1.00	pH unit

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260204	RECV-0001-0001	Water	6/24/03 12:30	6/25/03 09:15	

4500 H+B Water - pH

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	6/26/03 10:30	OLT	259212

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
pH	pH	7.82	1.00	1.00	pH unit

RESULTS REPORTED ON A WET WEIGHT BASIS

SCAN ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260205	IGNT-0003-0002	Water	6/24/03 14:30	6/25/03 09:15	

4500 H+B Water - pH

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	6/26/03 10:30	OLT	259212

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
pH	pH	8.10	1.00	1.00	pH unit

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260206	PEST-0003-0002	Water	6/24/03 15:00	6/25/03 09:15	

4500 H+B Water - pH

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	6/26/03 10:30	OLT	259212

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
pH	pH	7.82	1.00	1.00	pH unit

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260201	IGNT-0003-0001	Water	6/24/03 11:00	6/25/03 09:15	

9012A Reactivity Cyanide

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
6/26/03 13:00	259179	7.3.3.2	1	6/26/03 15:36	BMC	259203

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
57-12-5R	Reactivity Cyanide	ND	250	250	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260202	PEST-0003-0001	Water	6/24/03 11:30	6/25/03 09:15	

9012A Reactivity Cyanide

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
6/26/03 13:00	259179	7.3.3.2	1	6/26/03 15:36	BMC	259203

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
57-12-5R	Reactivity Cyanide	ND	250	250	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260203	REAC-0003-0001	Water	6/24/03 12:00	6/25/03 09:15	

9012A Reactivity Cyanide

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
6/26/03 13:00	259179	7.3.3.2	1	6/26/03 15:36	BMC	259203

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
57-12-5R	Reactivity Cyanide	ND	250	250	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260204	RECV-0001-0001	Water	6/24/03 12:30	6/25/03 09:15	

9012A Reactivity Cyanide

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
6/26/03 13:00	259179	7.3.3.2	1	6/26/03 15:36	BMC	259203

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
57-12-5R	Reactivity Cyanide	ND	250	250	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260205	IGNT-0003-0002	Water	6/24/03 14:30	6/25/03 09:15	

9012A Reactivity Cyanide

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
6/26/03 13:00	259179	7.3.3.2	1	6/26/03 15:36	BMC	259203

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
57-12-5R	Reactivity Cyanide	ND	250	250	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260206	PEST-0003-0002	Water	6/24/03 15:00	6/25/03 09:15	

9012A Reactivity Cyanide

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
6/26/03 13:00	259179	7.3.3.2	1	6/26/03 15:36	BMC	259203

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
57-12-5R	Reactivity Cyanide	ND	250	250	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260201	IGNT-0003-0001	Water	6/24/03 11:00	6/25/03 09:15	

Reactivity Sulfide - 9034

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
6/26/03 13:00	259180	7.3.4.2	1	6/27/03 9:52	MDT	259254

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
18496-25-8R	Reactivity Sulfide	ND	80	80	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAS ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260202	PEST-0003-0001	Water	6/24/03 11:30	6/25/03 09:15	

Reactivity Sulfide - 9034

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
6/26/03 13:00	259180	7.3.4.2	1	6/27/03 9:52	MDT	259254

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
18496-25-8R	Reactivity Sulfide	ND	80	80	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260203	REAC-0003-0001	Water	6/24/03 12:00	6/25/03 09:15	

Reactivity Sulfide - 9034

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
6/26/03 13:00	259180	7.3.4.2	1	6/27/03 9:52	MDT	259254

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
18496-25-8R	Reactivity Sulfide	ND	80	80	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260204	RECV-0001-0001	Water	6/24/03 12:30	6/25/03 09:15	

Reactivity Sulfide - 9034

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
6/26/03 13:00	259180	7.3.4.2	1	6/27/03 9:52	MDT	259254

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
18496-25-8R	Reactivity Sulfide	ND	80	80	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260205	IGNT-0003-0002	Water	6/24/03 14:30	6/25/03 09:15	

Reactivity Sulfide - 9034

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
6/26/03 13:00	259180	7.3.4.2	1	6/27/03 9:52	MDT	259254

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
18496-25-8R	Reactivity Sulfide	ND	80	80	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260206	PEST-0003-0002	Water	6/24/03 15:00	6/25/03 09:15	

Reactivity Sulfide - 9034

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
6/26/03 13:00	259180	7.3.4.2	1	6/27/03 9:52	MDT	259254

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
18496-25-8R	Reactivity Sulfide	ND	80	80	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260201	IGNT-0003-0001	Water	6/24/03 11:00	6/25/03 09:15	

EPA 5310B TOC

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	6/26/03 23:10	BMC	259210

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
C-012	Total Organic Carbon	17.9	1.0	0.4	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260202	PEST-0003-0001	Water	6/24/03 11:30	6/25/03 09:15	

EPA 5310B TOC

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	6/26/03 23:27	BMC	259210

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
C-012	Total Organic Carbon	24.8	1.0	0.4	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260203	REAC-0003-0001	Water	6/24/03 12:00	6/25/03 09:15	

EPA 5310B TOC

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	6/26/03 23:44	BMC	259210

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
C-012	Total Organic Carbon	24.2	1.0	0.4	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260204	RECV-0001-0001	Water	6/24/03 12:30	6/25/03 09:15	

EPA 5310B TOC

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	6/27/03 0:02	BMC	259210

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
C-012	Total Organic Carbon	28.4	1.0	0.4	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260205	IGNT-0003-0002	Water	6/24/03 14:30	6/25/03 09:15	

EPA 5310B TOC

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	6/27/03 0:18	BMC	259210

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
C-012	Total Organic Carbon	4.1	1.0	0.4	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260206	PEST-0003-0002	Water	6/24/03 15:00	6/25/03 09:15	

EPA 5310B TOC

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	6/27/03 10:41	BMC	259210

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
C-012	Total Organic Carbon	ND	1.0	0.4	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260201	IGNT-0003-0001	Water	6/24/03 11:00	6/25/03 09:15	

9020B Total Organic Halides

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	7/3/03 10:21	JAR	259634

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
59473-04-0	Total Organic Halides	54.6	10.0	1.3	ug/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260202	PEST-0003-0001	Water	6/24/03 11:30	6/25/03 09:15	

9020B Total Organic Halides

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	7/3/03 10:21	JAR	259634

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
59473-04-0	Total Organic Halides	90.1	10.0	1.3	ug/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCALID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260203	REAC-0003-0001	Water	6/24/03 12:00	6/25/03 09:15	

9020B Total Organic Halides

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	7/3/03 10:21	JAR	259634

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
59473-04-0	Total Organic Halides	63.0	10.0	1.3	ug/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260204	RECV-0001-0001	Water	6/24/03 12:30	6/25/03 09:15	

9020B Total Organic Halides

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	7/3/03 10:21	JAR	259634

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
59473-04-0	Total Organic Halides	80.4	10.0	1.3	ug/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260205	IGNT-0003-0002	Water	6/24/03 14:30	6/25/03 09:15	

9020B Total Organic Halides

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	7/3/03 18:30	JAR	259634

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
59473-04-0	Total Organic Halides	36.9	10.0	1.3	ug/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260206	PEST-0003-0002	Water	6/24/03 15:00	6/25/03 09:15	

9020B Total Organic Halides

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	7/3/03 18:30	JAR	259634

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
59473-04-0	Total Organic Halides	31.4	10.0	1.3	ug/L

RESULTS REPORTED ON A WET WEIGHT BASIS

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: IGNT-0003-0001
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Water
SAS No.:
SDG No.: 203062602
Level: (low / med)
% Solids:
Lab Sample ID: 20306260201
Date Received: 06/25/03
Time: 0915
Date Collected: 06/24/03
Time: 1100

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Arsenic	0.20	mg/L	U	0.0035	0.20	SW-846 1311/6010B	P
Barium	0.13	mg/L	B	0.00060	1.00	SW-846 1311/6010B	P
Cadmium	0.010	mg/L	U	0.00020	0.010	SW-846 1311/6010B	P
Chromium	0.024	mg/L	B	0.00050	0.050	SW-846 1311/6010B	P
Lead	0.10	mg/L	U	0.0024	0.10	SW-846 1311/6010B	P
Mercury	0.00016	mg/L	B	0.00008	0.00020	SW-846 1311/7470A	AV
Selenium	0.0089	mg/L	B	0.0043	0.10	SW-846 1311/6010B	P
Silver	0.050	mg/L	U	0.00040	0.050	SW-846 1311/6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: PEST-0003-0001
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Water
SAS No.:
SDG No.: 203062602
Level: (low / med)
% Solids:
Lab Sample ID: 20306260202
Date Received: 06/25/03
Time: 0915
Date Collected: 06/24/03
Time: 1130

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Arsenic	0.20	mg/L	U	0.0035	0.20	SW-846 1311/6010B	P
Barium	0.13	mg/L	B	0.00060	1.00	SW-846 1311/6010B	P
Cadmium	0.010	mg/L	U	0.00020	0.010	SW-846 1311/6010B	P
Chromium	0.050	mg/L		0.00050	0.050	SW-846 1311/6010B	P
Lead	0.10	mg/L	U	0.0024	0.10	SW-846 1311/6010B	P
Mercury	0.00012	mg/L	B	0.00008	0.00020	SW-846 1311/7470A	AV
Selenium	0.10	mg/L	U	0.0043	0.10	SW-846 1311/6010B	P
Silver	0.00073	mg/L	B	0.00040	0.050	SW-846 1311/6010B	P

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL

Sample ID: REAC-0003-0001

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203062602

Level: (low / med) % Solids:

Lab Sample ID: 20306260203

Date Received: 06/25/03 Time: 0915

Date Collected: 06/24/03 Time: 1200

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Arsenic	0.20	mg/L	U	0.0035	0.20	SW-846 1311/6010B	P
Barium	0.16	mg/L	B	0.00060	1.00	SW-846 1311/6010B	P
Cadmium	0.010	mg/L	U	0.00020	0.010	SW-846 1311/6010B	P
Chromium	0.037	mg/L	B	0.00050	0.050	SW-846 1311/6010B	P
Lead	0.10	mg/L	U	0.0024	0.10	SW-846 1311/6010B	P
Mercury	0.00018	mg/L	B	0.00008	0.00020	SW-846 1311/7470A	AV
Selenium	0.0046	mg/L	B	0.0043	0.10	SW-846 1311/6010B	P
Silver	0.00076	mg/L	B	0.00040	0.050	SW-846 1311/6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: RECV-0001-0001
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Water
SAS No.:
SDG No.: 203062602
Level: (low / med)
% Solids:
Lab Sample ID: 20306260204
Date Received: 06/25/03
Time: 0915
Date Collected: 06/24/03
Time: 1230

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Arsenic	0.20	mg/L	U	0.0035	0.20	SW-846 1311/6010B	P
Barium	0.12	mg/L	B	0.00060	1.00	SW-846 1311/6010B	P
Cadmium	0.010	mg/L	U	0.00020	0.010	SW-846 1311/6010B	P
Chromium	0.015	mg/L	B	0.00050	0.050	SW-846 1311/6010B	P
Lead	0.10	mg/L	U	0.0024	0.10	SW-846 1311/6010B	P
Mercury	0.00012	mg/L	B	0.00008	0.00020	SW-846 1311/7470A	AV
Selenium	0.10	mg/L	U	0.0043	0.10	SW-846 1311/6010B	P
Silver	0.00041	mg/L	B	0.00040	0.050	SW-846 1311/6010B	P

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL

Sample ID: IGNT-0003-0002

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203062602

Level: (low / med) % Solids:

Lab Sample ID: 20306260205

Date Received: 06/25/03 Time: 0915

Date Collected: 06/24/03 Time: 1430

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Arsenic	0.20	mg/L	U	0.0035	0.20	SW-846 1311/6010B	P
Barium	0.10	mg/L	B	0.00060	1.00	SW-846 1311/6010B	P
Cadmium	0.010	mg/L	U	0.00020	0.010	SW-846 1311/6010B	P
Chromium	0.016	mg/L	B	0.00050	0.050	SW-846 1311/6010B	P
Lead	0.10	mg/L	U	0.0024	0.10	SW-846 1311/6010B	P
Mercury	0.00029	mg/L		0.00008	0.00020	SW-846 1311/7470A	AV
Selenium	0.10	mg/L	U	0.0043	0.10	SW-846 1311/6010B	P
Silver	0.050	mg/L	U	0.00040	0.050	SW-846 1311/6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL

Sample ID: PEST-0003-0002

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203062602

Level: (low / med) % Solids:

Lab Sample ID: 20306260206

Date Received: 06/25/03 Time: 0915

Date Collected: 06/24/03 Time: 1500

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Arsenic	0.20	mg/L	U	0.0035	0.20	SW-846 1311/6010B	P
Barium	0.14	mg/L	B	0.00060	1.00	SW-846 1311/6010B	P
Cadmium	0.010	mg/L	U	0.00020	0.010	SW-846 1311/6010B	P
Chromium	0.0057	mg/L	B	0.00050	0.050	SW-846 1311/6010B	P
Lead	0.10	mg/L	U	0.0024	0.10	SW-846 1311/6010B	P
Mercury	0.00024	mg/L		0.00008	0.00020	SW-846 1311/7470A	AV
Selenium	0.10	mg/L	U	0.0043	0.10	SW-846 1311/6010B	P
Silver	0.050	mg/L	U	0.00040	0.050	SW-846 1311/6010B	P

FORM I - IN

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

IGNT-0003-0001

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203062602

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 20306260201

Level: (low/med) LOW

Lab File ID: 2030628/S4459

% Moisture: not dec.

Date Collected: 06/24/03 Time: 1100

GC Column: DB-624-30M ID: .53 (mm)

Date Received: 06/25/03

Instrument ID: MSV0

Date Analyzed: 06/28/03 Time: 1329

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: HJL

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 259279

CONCENTRATION UNITS: mg/L

Analytical Method: 1311/8260B

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-35-4	1,1-Dichloroethene	0.005	U	0.00047	0.005
107-06-2	1,2-Dichloroethane	0.005	U	0.00043	0.005
78-93-3	2-Butanone	0.025	U	0.00055	0.025
71-43-2	Benzene	0.005	U	0.00042	0.005
56-23-5	Carbon tetrachloride	0.005	U	0.00035	0.005
108-90-7	Chlorobenzene	0.005	U	0.00046	0.005
67-66-3	Chloroform	0.005	U	0.00046	0.005
127-18-4	Tetrachloroethene	0.005	U	0.00041	0.005
79-01-6	Trichloroethene	0.005	U	0.00042	0.005
75-01-4	Vinyl chloride	0.005	U	0.00051	0.005

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

PEST-0003-0001

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203062602

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 20306260202

Level: (low/med) LOW

Lab File ID: 2030628/S4460

% Moisture: not dec.

Date Collected: 06/24/03 Time: 1130

GC Column: DB-624-30M ID: .53 (mm)

Date Received: 06/25/03

Instrument ID: MSV0

Date Analyzed: 06/28/03 Time: 1353

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: HJL

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 259279

CONCENTRATION UNITS: mg/L

Analytical Method: 1311/8260B

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-35-4	1,1-Dichloroethene	0.005	U	0.00047	0.005
107-06-2	1,2-Dichloroethane	0.005	U	0.00043	0.005
78-93-3	2-Butanone	0.025	U	0.00055	0.025
71-43-2	Benzene	0.005	U	0.00042	0.005
56-23-5	Carbon tetrachloride	0.005	U	0.00035	0.005
108-90-7	Chlorobenzene	0.005	U	0.00046	0.005
67-66-3	Chloroform	0.005	U	0.00046	0.005
127-18-4	Tetrachloroethene	0.005	U	0.00041	0.005
79-01-6	Trichloroethene	0.005	U	0.00042	0.005
75-01-4	Vinyl chloride	0.005	U	0.00051	0.005

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

REAC-0003-0001

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203062602

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 20306260203

Level: (low/med) LOW

Lab File ID: 2030628/S4461

% Moisture: not dec.

Date Collected: 06/24/03 Time: 1200

GC Column: DB-624-30M ID: .53 (mm)

Date Received: 06/25/03

Instrument ID: MSV0

Date Analyzed: 06/28/03 Time: 1414

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: HJL

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 259279

CONCENTRATION UNITS: mg/L

Analytical Method: 1311/8260B

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-35-4	1,1-Dichloroethene	0.005	U	0.00047	0.005
107-06-2	1,2-Dichloroethane	0.005	U	0.00043	0.005
78-93-3	2-Butanone	0.025	U	0.00055	0.025
71-43-2	Benzene	0.005	U	0.00042	0.005
56-23-5	Carbon tetrachloride	0.005	U	0.00035	0.005
108-90-7	Chlorobenzene	0.005	U	0.00046	0.005
67-66-3	Chloroform	0.005	U	0.00046	0.005
127-18-4	Tetrachloroethene	0.005	U	0.00041	0.005
79-01-6	Trichloroethene	0.005	U	0.00042	0.005
75-01-4	Vinyl chloride	0.005	U	0.00051	0.005

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

RECV-0001-0001

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203062602

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 20306260204

Level: (low/med) LOW

Lab File ID: 2030628/S4462

% Moisture: not dec.

Date Collected: 06/24/03 Time: 1230

GC Column: DB-624-30M ID: .53 (mm)

Date Received: 06/25/03

Instrument ID: MSV0

Date Analyzed: 06/28/03 Time: 1435

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: HJL

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 259279

CONCENTRATION UNITS: mg/L

Analytical Method: 1311/8260B

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-35-4	1,1-Dichloroethene	0.005	U	0.00047	0.005
107-06-2	1,2-Dichloroethane	0.005	U	0.00043	0.005
78-93-3	2-Butanone	0.025	U	0.00055	0.025
71-43-2	Benzene	0.005	U	0.00042	0.005
56-23-5	Carbon tetrachloride	0.005	U	0.00035	0.005
108-90-7	Chlorobenzene	0.005	U	0.00046	0.005
67-66-3	Chloroform	0.005	U	0.00046	0.005
127-18-4	Tetrachloroethene	0.005	U	0.00041	0.005
79-01-6	Trichloroethene	0.005	U	0.00042	0.005
75-01-4	Vinyl chloride	0.005	U	0.00051	0.005

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

IGNT-0003-0002

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203062602

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 20306260205

Level: (low/med) LOW

Lab File ID: 2030628/S4463

% Moisture: not dec.

Date Collected: 06/24/03 Time: 1430

GC Column: DB-624-30M ID: .53 (mm)

Date Received: 06/25/03

Instrument ID: MSV0

Date Analyzed: 06/28/03 Time: 1456

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: HJL

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 259279

CONCENTRATION UNITS: mg/L

Analytical Method: 1311/8260B

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-35-4	1,1-Dichloroethene	0.005	U	0.00047	0.005
107-06-2	1,2-Dichloroethane	0.005	U	0.00043	0.005
78-93-3	2-Butanone	0.025	U	0.00055	0.025
71-43-2	Benzene	0.005	U	0.00042	0.005
56-23-5	Carbon tetrachloride	0.005	U	0.00035	0.005
108-90-7	Chlorobenzene	0.005	U	0.00046	0.005
67-66-3	Chloroform	0.005	U	0.00046	0.005
127-18-4	Tetrachloroethene	0.005	U	0.00041	0.005
79-01-6	Trichloroethene	0.005	U	0.00042	0.005
75-01-4	Vinyl chloride	0.005	U	0.00051	0.005

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

PEST-0003-0002

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203062602

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 20306260206

Level: (low/med) LOW

Lab File ID: 2030628/S4464

% Moisture: not dec.

Date Collected: 06/24/03 Time: 1500

GC Column: DB-624-30M ID: .53 (mm)

Date Received: 06/25/03

Instrument ID: MSV0

Date Analyzed: 06/28/03 Time: 1518

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: HJL

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 259279

CONCENTRATION UNITS: mg/L

Analytical Method: 1311/8260B

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-35-4	1,1-Dichloroethene	0.005	U	0.00047	0.005
107-06-2	1,2-Dichloroethane	0.005	U	0.00043	0.005
78-93-3	2-Butanone	0.025	U	0.00055	0.025
71-43-2	Benzene	0.005	U	0.00042	0.005
56-23-5	Carbon tetrachloride	0.005	U	0.00035	0.005
108-90-7	Chlorobenzene	0.005	U	0.00046	0.005
67-66-3	Chloroform	0.005	U	0.00046	0.005
127-18-4	Tetrachloroethene	0.005	U	0.00041	0.005
79-01-6	Trichloroethene	0.005	U	0.00042	0.005
75-01-4	Vinyl chloride	0.005	U	0.00051	0.005

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203062602

Matrix: Water

Sample wt/vol: 200 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: IGNT-0003-0001

Contract:

Lab File ID: 2030630P/A7651

Lab Sample ID: 20306260201

Date Collected: 06/24/03 Time: 1100

Date Received: 06/25/03

Date Extracted: 06/26/03

Date Analyzed: 06/30/03 Time: 1840

Dilution Factor: 1 Analyst: RLW

Prep Method: 1311/3510

Analytical Method: 1311/8270C

Instrument ID: MSSV1

Prep Batch: 259220 Analytical Batch: 259349

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	PQL
106-46-7	1,4-Dichlorobenzene	0.050	U	0.005	0.050
95-95-4	2,4,5-Trichlorophenol	0.050	U	0.00060	0.050
88-06-2	2,4,6-Trichlorophenol	0.050	U	0.001	0.050
121-14-2	2,4-Dinitrotoluene	0.050	U	0.00080	0.050
1319-77-3	Cresols	0.100	U	0.003	0.100
118-74-1	Hexachlorobenzene	0.050	U	0.001	0.050
87-68-3	Hexachlorobutadiene	0.050	U	0.00050	0.050
67-72-1	Hexachloroethane	0.050	U	0.00050	0.050
98-95-3	Nitrobenzene	0.050	U	0.002	0.050
87-86-5	Pentachlorophenol	0.100	U	0.005	0.100
110-86-1	Pyridine	0.050	U	0.001	0.050
1319-77-3M	m,p-Cresol	0.050	U	0.00050	0.050
95-48-7	o-Cresol	0.050	U	0.003	0.050

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203062602

Matrix: Water

Sample wt/vol: 200 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/L

Sample ID: PEST-0003-0001

Contract:

Lab File ID: 2030630P/A7654

Lab Sample ID: 20306260202

Date Collected: 06/24/03 Time: 1130

Date Received: 06/25/03

Date Extracted: 06/26/03

Date Analyzed: 06/30/03 Time: 1949

Dilution Factor: 1 Analyst: RLW

Prep Method: 1311/3510

Analytical Method: 1311/8270C

Instrument ID: MSSV1

Prep Batch: 259220 Analytical Batch: 259349

CAS NO.	COMPOUND	RESULT	Q	MDL	PQL
106-46-7	1,4-Dichlorobenzene	0.050	U	0.005	0.050
95-95-4	2,4,5-Trichlorophenol	0.050	U	0.00060	0.050
88-06-2	2,4,6-Trichlorophenol	0.050	U	0.001	0.050
121-14-2	2,4-Dinitrotoluene	0.050	U	0.00080	0.050
1319-77-3	Cresols	0.100	U	0.003	0.100
118-74-1	Hexachlorobenzene	0.050	U	0.001	0.050
87-68-3	Hexachlorobutadiene	0.050	U	0.00050	0.050
67-72-1	Hexachloroethane	0.050	U	0.00050	0.050
98-95-3	Nitrobenzene	0.050	U	0.002	0.050
87-86-5	Pentachlorophenol	0.100	U	0.005	0.100
110-86-1	Pyridine	0.050	U	0.001	0.050
1319-77-3M	m,p-Cresol	0.050	U	0.00050	0.050
95-48-7	o-Cresol	0.050	U	0.003	0.050

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203062602

Matrix: Water

Sample wt/vol: 200 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: REAC-0003-0001

Contract:

Lab File ID: 2030630P/A7655

Lab Sample ID: 20306260203

Date Collected: 06/24/03 Time: 1200

Date Received: 06/25/03

Date Extracted: 06/26/03

Date Analyzed: 06/30/03 Time: 2012

Dilution Factor: 1 Analyst: RLW

Prep Method: 1311/3510

Analytical Method: 1311/8270C

Instrument ID: MSSV1

Prep Batch: 259220 Analytical Batch: 259349

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	PQL
106-46-7	1,4-Dichlorobenzene	0.050	U	0.005	0.050
95-95-4	2,4,5-Trichlorophenol	0.050	U	0.00060	0.050
88-06-2	2,4,6-Trichlorophenol	0.050	U	0.001	0.050
121-14-2	2,4-Dinitrotoluene	0.050	U	0.00080	0.050
1319-77-3	Cresols	0.100	U	0.003	0.100
118-74-1	Hexachlorobenzene	0.050	U	0.001	0.050
87-68-3	Hexachlorobutadiene	0.050	U	0.00050	0.050
67-72-1	Hexachloroethane	0.050	U	0.00050	0.050
98-95-3	Nitrobenzene	0.050	U	0.002	0.050
87-86-5	Pentachlorophenol	0.100	U	0.005	0.100
110-86-1	Pyridine	0.050	U	0.001	0.050
1319-77-3M	m,p-Cresol	0.050	U	0.00050	0.050
95-48-7	o-Cresol	0.050	U	0.003	0.050

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203062602

Matrix: Water

Sample wt/vol: 200 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: RECV-0001-0001

Contract:

Lab File ID: 2030630P/A7656

Lab Sample ID: 20306260204

Date Collected: 06/24/03 Time: 1230

Date Received: 06/25/03

Date Extracted: 06/26/03

Date Analyzed: 06/30/03 Time: 2035

Dilution Factor: 1 Analyst: RLW

Prep Method: 1311/3510

Analytical Method: 1311/8270C

Instrument ID: MSSV1

CONCENTRATION UNITS: mg/L

Prep Batch: 259220 Analytical Batch: 259349

CAS NO.	COMPOUND	RESULT	Q	MDL	PQL
106-46-7	1,4-Dichlorobenzene	0.050	U	0.005	0.050
95-95-4	2,4,5-Trichlorophenol	0.050	U	0.00060	0.050
88-06-2	2,4,6-Trichlorophenol	0.050	U	0.001	0.050
121-14-2	2,4-Dinitrotoluene	0.050	U	0.00080	0.050
1319-77-3	Cresols	0.100	U	0.003	0.100
118-74-1	Hexachlorobenzene	0.050	U	0.001	0.050
87-68-3	Hexachlorobutadiene	0.050	U	0.00050	0.050
67-72-1	Hexachloroethane	0.050	U	0.00050	0.050
98-95-3	Nitrobenzene	0.050	U	0.002	0.050
87-86-5	Pentachlorophenol	0.100	U	0.005	0.100
110-86-1	Pyridine	0.050	U	0.001	0.050
1319-77-3M	m,p-Cresol	0.050	U	0.00050	0.050
95-48-7	o-Cresol	0.050	U	0.003	0.050

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203062602

Matrix: Water

Sample wt/vol: 200 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/L

Sample ID: IGNT-0003-0002

Contract:

Lab File ID: 2030630P/A7657

Lab Sample ID: 20306260205

Date Collected: 06/24/03 Time: 1430

Date Received: 06/25/03

Date Extracted: 06/26/03

Date Analyzed: 06/30/03 Time: 2058

Dilution Factor: 1 Analyst: RLW

Prep Method: 1311/3510

Analytical Method: 1311/8270C

Instrument ID: MSSV1

Prep Batch: 259220 Analytical Batch: 259349

CAS NO.	COMPOUND	RESULT	Q	MDL	PQL
106-46-7	1,4-Dichlorobenzene	0.050	U	0.005	0.050
95-95-4	2,4,5-Trichlorophenol	0.050	U	0.00060	0.050
88-06-2	2,4,6-Trichlorophenol	0.050	U	0.001	0.050
121-14-2	2,4-Dinitrotoluene	0.050	U	0.00080	0.050
1319-77-3	Cresols	0.100	U	0.003	0.100
118-74-1	Hexachlorobenzene	0.050	U	0.001	0.050
87-68-3	Hexachlorobutadiene	0.050	U	0.00050	0.050
67-72-1	Hexachloroethane	0.050	U	0.00050	0.050
98-95-3	Nitrobenzene	0.050	U	0.002	0.050
87-86-5	Pentachlorophenol	0.100	U	0.005	0.100
110-86-1	Pyridine	0.050	U	0.001	0.050
1319-77-3M	m,p-Cresol	0.050	U	0.00050	0.050
95-48-7	o-Cresol	0.050	U	0.003	0.050

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203062602

Matrix: Water

Sample wt/vol: 200 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: PEST-0003-0002

Contract:

Lab File ID: 2030630P/A7658

Lab Sample ID: 20306260206

Date Collected: 06/24/03 Time: 1500

Date Received: 06/25/03

Date Extracted: 06/26/03

Date Analyzed: 06/30/03 Time: 2122

Dilution Factor: 1 Analyst: RLW

Prep Method: 1311/3510

Analytical Method: 1311/8270C

Instrument ID: MSSV1

CONCENTRATION UNITS: mg/L

Prep Batch: 259220 Analytical Batch: 259349

CAS NO.	COMPOUND	RESULT	Q	MDL	PQL
106-46-7	1,4-Dichlorobenzene	0.050	U	0.005	0.050
95-95-4	2,4,5-Trichlorophenol	0.050	U	0.00060	0.050
88-06-2	2,4,6-Trichlorophenol	0.050	U	0.001	0.050
121-14-2	2,4-Dinitrotoluene	0.050	U	0.00080	0.050
1319-77-3	Cresols	0.100	U	0.003	0.100
118-74-1	Hexachlorobenzene	0.050	U	0.001	0.050
87-68-3	Hexachlorobutadiene	0.050	U	0.00050	0.050
67-72-1	Hexachloroethane	0.050	U	0.00050	0.050
98-95-3	Nitrobenzene	0.050	U	0.002	0.050
87-86-5	Pentachlorophenol	0.100	U	0.005	0.100
110-86-1	Pyridine	0.050	U	0.001	0.050
1319-77-3M	m,p-Cresol	0.050	U	0.00050	0.050
95-48-7	o-Cresol	0.050	U	0.003	0.050

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 100 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-1701 ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 259264 Analytical Batch: 259316

Sample ID: IGNT-0003-0001

Contract:

SAS No.: SDG No.: 203062602

Lab Sample ID: 20306260201

Date Collected: 06/24/03 Time: 1100

Date Received: 06/25/03

Date Extracted: 06/27/03

Date Analyzed: 06/28/03 Time: 1424

Dilution Factor: 1 Analyst: DLB

Prep Method: SW-846 3510

Analytical Method: 1311/8081A

Sulfur Cleanup: (Y/N) N Instrument ID: GCS3A

Lab File ID: 2030628/SV3008

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
57-74-9	Chlordane	0.02500	U	0.00016	0.02500
72-20-8	Endrin	0.00100	U	0.00013	0.00100
76-44-8	Heptachlor	0.00050	U	0.00008	0.00050
1024-57-3	Heptachlor epoxide	0.00050	U	0.00010	0.00050
72-43-5	Methoxychlor	0.02500	U	0.00065	0.02500
8001-35-2	Toxaphene	0.25000	U	0.00050	0.25000
58-89-9	gamma-BHC (Lindane)	0.00050	U	0.00006	0.00050

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 100 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-1701 ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 259264 Analytical Batch: 259316

Sample ID: PEST-0003-0001

Contract:

SAS No.: SDG No.: 203062602

Lab Sample ID: 20306260202

Date Collected: 06/24/03 Time: 1130

Date Received: 06/25/03

Date Extracted: 06/27/03

Date Analyzed: 06/28/03 Time: 1454

Dilution Factor: 1 Analyst: DLB

Prep Method: SW-846 3510

Analytical Method: 1311/8081A

Sulfur Cleanup: (Y/N) N Instrument ID: GCS3A

Lab File ID: 2030628/SV3009

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
57-74-9	Chlordane	0.02500	U	0.00016	0.02500
72-20-8	Endrin	0.00100	U	0.00013	0.00100
76-44-8	Heptachlor	0.00050	U	0.00008	0.00050
1024-57-3	Heptachlor epoxide	0.00050	U	0.00010	0.00050
72-43-5	Methoxychlor	0.02500	U	0.00065	0.02500
8001-35-2	Toxaphene	0.25000	U	0.00050	0.25000
58-89-9	gamma-BHC (Lindane)	0.00050	U	0.00006	0.00050

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 100 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-1701 ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 259264 Analytical Batch: 259316

Sample ID: REAC-0003-0001

Contract:

SAS No.: SDG No.: 203062602

Lab Sample ID: 20306260203

Date Collected: 06/24/03 Time: 1200

Date Received: 06/25/03

Date Extracted: 06/27/03

Date Analyzed: 06/28/03 Time: 1622

Dilution Factor: 1 Analyst: DLB

Prep Method: SW-846 3510

Analytical Method: 1311/8081A

Sulfur Cleanup: (Y/N) N Instrument ID: GCS3A

CONCENTRATION UNITS: mg/L

Lab File ID: 2030628/SV3012

CAS NO.	*COMPOUND*	*RESULT*	*Q*	*MDL*	*RL*
57-74-9	Chlordane	0.02500	U	0.00016	0.02500
72-20-8	Endrin	0.00100	U	0.00013	0.00100
76-44-8	Heptachlor	0.00050	U	0.00008	0.00050
1024-57-3	Heptachlor epoxide	0.00050	U	0.00010	0.00050
72-43-5	Methoxychlor	0.02500	U	0.00065	0.02500
8001-35-2	Toxaphene	0.25000	U	0.00050	0.25000
58-89-9	gamma-BHC (Lindane)	0.00050	U	0.00006	0.00050

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 100 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-1701 ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 259264 Analytical Batch: 259316

Sample ID: RECV-0001-0001

Contract:

SAS No.: SDG No.: 203062602

Lab Sample ID: 20306260204

Date Collected: 06/24/03 Time: 1230

Date Received: 06/25/03

Date Extracted: 06/27/03

Date Analyzed: 06/28/03 Time: 1652

Dilution Factor: 1 Analyst: DLB

Prep Method: SW-846 3510

Analytical Method: 1311/8081A

Sulfur Cleanup: (Y/N) N Instrument ID: GCS3A

CONCENTRATION UNITS: mg/L

Lab File ID: 2030628/SV3013

CAS NO.	*COMPOUND*	*RESULT*	*Q*	*MDL*	*RL*
57-74-9	Chlordane	0.02500	U	0.00016	0.02500
72-20-8	Endrin	0.00100	U	0.00013	0.00100
76-44-8	Heptachlor	0.00050	U	0.00008	0.00050
1024-57-3	Heptachlor epoxide	0.00050	U	0.00010	0.00050
72-43-5	Methoxychlor	0.02500	U	0.00065	0.02500
8001-35-2	Toxaphene	0.25000	U	0.00050	0.25000
58-89-9	gamma-BHC (Lindane)	0.00050	U	0.00006	0.00050

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 100 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-1701 ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 259264 Analytical Batch: 259316

CONCENTRATION UNITS: mg/L

Sample ID: IGNT-0003-0002

Contract:

SAS No.: SDG No.: 203062602

Lab Sample ID: 20306260205

Date Collected: 06/24/03 Time: 1430

Date Received: 06/25/03

Date Extracted: 06/27/03

Date Analyzed: 06/28/03 Time: 1820

Dilution Factor: 1 Analyst: DLB

Prep Method: SW-846 3510

Analytical Method: 1311/8081A

Sulfur Cleanup: (Y/N) N Instrument ID: GCS3A

Lab File ID: 2030628/SV3016

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
57-74-9	Chlordane	0.02500	U	0.00016	0.02500
72-20-8	Endrin	0.00100	U	0.00013	0.00100
76-44-8	Heptachlor	0.00050	U	0.00008	0.00050
1024-57-3	Heptachlor epoxide	0.00050	U	0.00010	0.00050
72-43-5	Methoxychlor	0.02500	U	0.00065	0.02500
8001-35-2	Toxaphene	0.25000	U	0.00050	0.25000
58-89-9	gamma-BHC (Lindane)	0.00050	U	0.00006	0.00050

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 100 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-1701 ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 259264 Analytical Batch: 259316

Sample ID: PEST-0003-0002

Contract:

SAS No.: SDG No.: 203062602

Lab Sample ID: 20306260206

Date Collected: 06/24/03 Time: 1500

Date Received: 06/25/03

Date Extracted: 06/27/03

Date Analyzed: 06/28/03 Time: 1850

Dilution Factor: 1 Analyst: DLB

Prep Method: SW-846 3510

Analytical Method: 1311/8081A

Sulfur Cleanup: (Y/N) N Instrument ID: GCS3A

Lab File ID: 2030628/SV3017

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
57-74-9	Chlordane	0.02500	U	0.00016	0.02500
72-20-8	Endrin	0.00100	U	0.00013	0.00100
76-44-8	Heptachlor	0.00050	U	0.00008	0.00050
1024-57-3	Heptachlor epoxide	0.00050	U	0.00010	0.00050
72-43-5	Methoxychlor	0.02500	U	0.00065	0.02500
8001-35-2	Toxaphene	0.25000	U	0.00050	0.25000
58-89-9	gamma-BHC (Lindane)	0.00050	U	0.00006	0.00050

Batch Sample Worklist
Gulf Coast Analytical Laboratories, Inc.

Queue: INPR Inorganic Prep **QC Rule:** CNR_W_EX **Status:** NA **Other Criteria:**

Batch: 2341 **HBN:** 259179 **Analyst:** Obbie Tillotson **Created Date:** 6/26/03 10:28

Pos	Lab ID	Type	CC	DILUTION	Analyte List	WO	HSN	Due Date	Expire Date	HISTORY	Sample ID	Hazard	Original HSN
1	106193	MB	OK		CNR_W_EX		1E+05	6/27/03	7/10/03 10:28	N/A	MB for HBN 259179 [INPR/2341]	N	
											PH CHECK		
2	106194	LCS	OK		CNR_W_EX		1E+05	6/27/03	7/10/03 10:28	N/A	LCS for HBN 259179 [INPR/2341]	N	
											PH CHECK		
3	20306260201	SAMPLE	OK		CNR_W_EX	203062602	1E+05	6/27/03	7/8/03 11:00	1	IGNT-0003-0001	N	
											PH CHECK		
4	[redacted]	DUP	OK		CNR_W_EX		1E+05	6/26/03	7/8/03 11:00	N/A	IGNT-0003-0001(106073DUP)	N	106073
											PH CHECK		
5	20306260202	SAMPLE	OK		CNR_W_EX	203062602	1E+05	6/27/03	7/8/03 11:30	1	PEST-0003-0001	N	
											PH CHECK		
6	20306260203	SAMPLE	OK		CNR_W_EX	203062602	1E+05	6/27/03	7/8/03 12:00	1	REAC-0003-0001	N	
											PH CHECK		
7	20306260204	SAMPLE	OK		CNR_W_EX	203062602	1E+05	6/27/03	7/8/03 12:30	1	RECV-0001-0001	N	
											PH CHECK		
8	20306260205	SAMPLE	OK		CNR_W_EX	203062602	1E+05	6/27/03	7/8/03 14:30	1	IGNT-0003-0002	N	
											PH CHECK		
9	20306260206	SAMPLE	OK		CNR_W_EX	203062602	1E+05	6/27/03	7/8/03 15:00	1	PEST-0003-0002	N	
											PH CHECK		
10	[redacted]	SAMPLE	OK		CNR_W_EX	203062604	1E+05	6/30/03	7/9/03 7:30	1	REAC-0003-0002	N	
											PH CHECK		
11	[redacted]	SAMPLE	OK		CNR_W_EX	203062604	1E+05	6/30/03	7/9/03 8:00	1	RECV-0001-0002	N	
											PH CHECK		

000072

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
106193	Method Blank	Water	

9012A

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/26/2003 13:00	259179	7.3.3.2	1	06/26/2003 15:36	BMC	259203

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
57-12-5R	Reactivity Cyanide	ND	250		mg/L

Batch Sample Worklist
Gulf Coast Analytical Laboratories, Inc.

Queue: INPR Inorganic Prep **QC Rule:** SR_W_EX **Status:** NA **Other Criteria:**

Batch: 2342 **HBN:** 259180 **Analyst:** Obbie Tillotson **Created Date:** 6/26/03 10:30

Pos	Lab ID	Type	CC	DILUTION	Analyte List	WO	HSN	Due Date	Expire Date	HISTORY	Sample ID	Hazard	Original HSN
1	106203	MB	OK		SR_W_EX		1E+05	6/27/03	12/23/03 10:30	N/A	MB for HBN 259180 [INPR/2342]	N	
2	106204	LCS	OK		SR_W_EX		1E+05	6/27/03	12/23/03 10:30	N/A	LCS for HBN 259180 [INPR/2342]	N	
3	20306260201	SAMPLE	OK		SR_W_EX	203062602	1E+05	6/27/03	12/21/03 11:00	1	IGNT-0003-0001	N	
4	106205	DUP	OK		SR_W_EX		1E+05	6/26/03	12/21/03 11:00	N/A	IGNT-0003-0001(106073DUP)	N	106073
5	20306260202	SAMPLE	OK		SR_W_EX	203062602	1E+05	6/27/03	12/21/03 11:30	1	PEST-0003-0001	N	
6	20306260203	SAMPLE	OK		SR_W_EX	203062602	1E+05	6/27/03	12/21/03 12:00	1	REAC-0003-0001	N	
7	20306260204	SAMPLE	OK		SR_W_EX	203062602	1E+05	6/27/03	12/21/03 12:30	1	RECV-0001-0001	N	
8	20306260205	SAMPLE	OK		SR_W_EX	203062602	1E+05	6/27/03	12/21/03 14:30	1	IGNT-0003-0002	N	
9	20306260206	SAMPLE	OK		SR_W_EX	203062602	1E+05	6/27/03	12/21/03 15:00	1	PEST-0003-0002	N	
10	[redacted]	SAMPLE	OK		SR_W_EX	203062604	1E+05	6/30/03	12/22/03 7:30	1	REAC-0003-0002	N	
11	[redacted]	SAMPLE	OK		SR_W_EX	203062604	1E+05	6/30/03	12/22/03 8:00	1	RECV-0001-0002	N	

PH CHECK

000074

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
106203	Method Blank	Water	

9034

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/26/2003 13:00	259180	7.3.4.2	1	06/27/2003 09:52	MDT	259254

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
18496-25-8	Reactivity Sulfide	ND	80		mg/L

Batch Sample Worklist
Gulf Coast Analytical Laboratories, Inc.

Queue: TOC Total Organic Carbon (TOC) **QC Rule:** TOC_W **Status:** RE **Other Criteria:**

Batch: 1687 **HBN:** 259210 **Analyst:** Bessie Claiborne **Created Date:** 6/26/03 16:17

Pos	Lab ID	Type	CC	DILUTION	Analyte List	WO	HSN	Due Date	Expire Date	HISTORY	Sample ID	Hazard	Original HSN
1	106343	MB	OK		TOC_W_QC		1E+05	7/1/03	7/24/03 16:17	N/A	MB for HBN 259210 [TOC/1687]	N	
											PH CHECK		
2	106344	LCS	OK		TOC_W_QC		1E+05	7/1/03	7/24/03 16:17	N/A	LCS for HBN 259210 [TOC/1687]	N	
											PH CHECK		
3	[redacted]	SAMPLE	OK		TOC_W	203062435	1E+05	6/30/03	7/21/03 8:55	1	TWB-D-2986, 002A	N	
											PH CHECK		
4	[redacted]	DUP	OK		TOC_W_QC		1E+05	6/27/03	7/21/03 8:55	N/A	TWB-D-2986, 002A(105697DUP)	N	105697
											PH CHECK		
5	[redacted]	MS	OK		TOC_W_QC		1E+05	6/27/03	7/21/03 8:55	N/A	TWB-D-2986, 002A(105697MS)	N	105697
											PH CHECK		
6	[redacted]	SAMPLE	OK		TOC_W	203062435	1E+05	6/30/03	7/22/03 4:05	1	TWB-D-2987, 002A	N	
											PH CHECK		
7	[redacted]	SAMPLE	OK		TOC_W	203062533	1E+05	7/1/03	7/23/03 7:30	1	199907 NF-CANAL WATER	N	
											PH CHECK		
8	[redacted]	SAMPLE	OK		TOC_W	203062533	1E+05	7/1/03	7/23/03 7:30	1	199908 NG GRAVITY	N	
											PH CHECK		
9	[redacted]	SAMPLE	OK		TOC_W	203062538	1E+05	7/1/03	7/23/03 14:30	1	Outfall 004	N	
											PH CHECK		
10	[redacted]	SAMPLE	OK		TOC_W	203062544	1E+05	7/1/03	7/23/03 10:10	1	Outfall 001 Fract	N	
											PH CHECK		
11	[redacted]	SAMPLE	OK		TOC_W	203062544	1E+05	7/1/03	7/23/03 10:00	1	Blowdown 201 Fract	N	
											PH CHECK		

000076

Batch Sample Worklist

Gulf Coast Analytical Laboratories, Inc.

Queue: TOC Total Organic Carbon (TOC) **QC Rule:** TOC_W **Status:** RE **Other Criteria:**

Batch: 1687 **HBN:** 259210 **Analyst:** Bessie Claiborne **Created Date:** 6/26/03 16:17

Pos	Lab ID	Type	CC	DILUTION	Analyte List	WO	HSN	Due Date	Expire Date	HISTORY	Sample ID	Hazard	Original HSN
12	[redacted]	SAMPLE	OK		TOC_W	203062544	1E+05	7/1/03	7/23/03 10:20	1	CPI SEP 301 FRACT	N	
											PH CHECK		
13	[redacted]	SAMPLE	OK		TOC_W	203062546	1E+05	7/1/03	7/23/03 10:46	1	Outfall 101 PCU	N	
											PH CHECK		
14	[redacted]	SAMPLE	OK		TOC_W	203062546	1E+05	7/1/03	7/23/03 10:40	1	Blowdown 101 PCU	N	
											PH CHECK		
15	20306260201	SAMPLE	OK		TOC_W	203062602	1E+05	7/1/03	7/22/03 11:00	1	IGNT-0003-0001	N	
											PH CHECK		
16	20306260202	SAMPLE	OK		TOC_W	203062602	1E+05	7/1/03	7/22/03 11:30	1	PEST-0003-0001	N	
											PH CHECK		
17	20306260203	SAMPLE	OK		TOC_W	203062602	1E+05	7/1/03	7/22/03 12:00	1	REAC-0003-0001	N	
											PH CHECK		
18	20306260204	SAMPLE	OK		TOC_W	203062602	1E+05	7/1/03	7/22/03 12:30	1	RECV-0001-0001	N	
											PH CHECK		
19	20306260205	SAMPLE	OK		TOC_W	203062602	1E+05	7/1/03	7/22/03 14:30	1	IGNT-0003-0002	N	
											PH CHECK		
20	20306260206	SAMPLE	OK		TOC_W	203062602	1E+05	7/1/03	7/22/03 15:00	1	PEST-0003-0002	N	
											PH CHECK		
21	[redacted]	DUP	OK		TOC_W_QC		1E+05	6/30/03	7/22/03 15:00	N/A	PEST-0003-0002(106078DUP)	N	106078
											PH CHECK		
22	[redacted]	MS	OK		TOC_W_QC		1E+05	6/30/03	7/22/03 15:00	N/A	PEST-0003-0002(106078MS)	N	106078
											PH CHECK		

000077

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
106343	Method Blank	Water	

EPA 5310 B (TOC)

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/26/2003 17:51	BMC	259210

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
C-012	Total Organic Carbon	ND	1.0		mg/L

Batch Sample Worklist

Gulf Coast Analytical Laboratories, Inc.

Total Organic Halides

Queue: TOC Total Organic Carbon (TOC) **QC Rule:** TOX_W **Status:** RE **Other Criteria:**

Batch: 1698 **HBN:** 259634 **Analyst:** Shelley Bourgeois **Created Date:** 7/8/03 10:59

Pos	Lab ID	Type	CC	DILUTION	Analyte List	WO	HSN	Due Date	Expire Date	HISTORY	Sample ID	Hazard	Original HSN
1	107681	MB	OK		TOX_W		1E+05	7/11/03	8/5/03 10:59	N/A	MB for HBN 259634 [TOC/1698]	N	
											PH CHECK		
2	107682	LCS	OK		TOX_W		1E+05	7/11/03	8/5/03 10:59	N/A	LCS for HBN 259634 [TOC/1698]	N	
											PH CHECK		
3	[redacted]	SAMPLE	OK		TOX_W	203062604	1E+05	7/2/03	7/23/03 7:30	1	REAC-0003-0002	N	
											PH CHECK		
4	[redacted]	DUP	OK		TOX_W		1E+05	7/1/03	7/23/03 7:30	N/A	REAC-0003-0002(106101DUP)	N	106101
											PH CHECK		
5	[redacted]	MS	OK		TOX_W		1E+05	7/1/03	7/23/03 7:30	N/A	REAC-0003-0002(106101MS)	N	106101
											PH CHECK		
6	[redacted]	SAMPLE	OK		TOX_W	203062604	1E+05	7/2/03	7/23/03 10:00	1	IGNT-0003-0003	N	
											PH CHECK		
7	[redacted]	SAMPLE	OK		TOX_W	203062604	1E+05	7/2/03	7/23/03 8:00	1	RECV-0001-0002	N	
											PH CHECK		
8	[redacted]	SAMPLE	OK		TOX_W	203062604	1E+05	7/2/03	7/23/03 10:30	1	PEST-0003-0003	N	
											PH CHECK		
9	[redacted]	SAMPLE	OK		TOX_W	203062604	1E+05	7/2/03	7/23/03 11:00	1	REAC-0003-0003	N	
											PH CHECK		
10	20306260201	SAMPLE	OK		TOX_W	203062602	1E+05	7/1/03	7/22/03 11:00	1	IGNT-0003-0001	N	
											PH CHECK		
11	20306260202	SAMPLE	OK		TOX_W	203062602	1E+05	7/1/03	7/22/03 11:30	1	PEST-0003-0001	N	
											PH CHECK		

000079

Batch Sample Worklist

Gulf Coast Analytical Laboratories, Inc.

Queue: TOC Total Organic Carbon (TOC) **QC Rule:** TOX_W **Status:** RE **Other Criteria:**

Batch: 1698 **HBN:** 259634 **Analyst:** Shelley Bourgeois **Created Date:** 7/8/03 10:59

Pos	Lab ID	Type	CC	DILUTION	Analyte List	WO	HSN	Due Date	Expire Date	HISTORY	Sample ID	Hazard	Original HSN
12	[redacted]	SAMPLE	OK		TOX_W	203062604	1E+05	7/2/03	7/23/03 11:15	1	RECV-0001-0003	N	
											PH CHECK		
13	20306260203	SAMPLE	OK		TOX_W	203062602	1E+05	7/1/03	7/22/03 12:00	1	REAC-0003-0001	N	
											PH CHECK		
14	20306260204	SAMPLE	OK		TOX_W	203062602	1E+05	7/1/03	7/22/03 12:30	1	RECV-0001-0001	N	
											PH CHECK		
15	20306260205	SAMPLE	OK		TOX_W	203062602	1E+05	7/1/03	7/22/03 14:30	1	IGNT-0003-0002	N	
											PH CHECK		
16	20306260206	SAMPLE	OK		TOX_W	203062602	1E+05	7/1/03	7/22/03 15:00	1	PEST-0003-0002	N	
											PH CHECK		
17	[redacted]	SAMPLE	OK		TOX_W	203070118	1E+05	7/7/03	7/29/03 10:30	1	INJECTION WELL COMPOSITE	N	
											PH CHECK		
18	[redacted]	SAMPLE			TOX_W	203070329	1E+05	7/9/03	7/30/03 10:20	2	MW-25 (1)	N	
											PH CHECK		
19	[redacted]	SAMPLE			TOX_W	203070329	1E+05	7/9/03	7/30/03 10:20	2	MW-25 (2)	N	
											PH CHECK		
20	[redacted]	SAMPLE			TOX_W	203070329	1E+05	7/9/03	7/30/03 10:20	2	MW-25 (3)	N	
											PH CHECK		
21	[redacted]	SAMPLE			TOX_W	203070329	1E+05	7/9/03	7/30/03 10:20	2	MW-25 (4)	N	
											PH CHECK		
22	[redacted]	SAMPLE			TOX_W	203070329	1E+05	7/9/03	7/30/03 11:15	2	MW-26 (1)	N	
											PH CHECK		
23	[redacted]	SAMPLE			TOX_W	203070329	1E+05	7/9/03	7/30/03 11:15	2	MW-26 (2)	N	
											PH CHECK		

000080

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
107681	Method Blank	Water	

9020B

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	07/02/2003 08:30	JAR	259634

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
59473-04-0	Total Organic Halides	ND	10.0		ug/L

PREPARATION LOG

Lab Name: GCAL Sample ID:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203062602

Method: 3010A Method Type: P

EPA Sample No.	Preparation Date	Weight	Units	Volume	Units
IGNT-0003-0001	06/27/03			50	mL
IGNT-0003-0001DUP	06/27/03			50	mL
IGNT-0003-0001MS	06/27/03			50	mL
IGNT-0003-0002	06/27/03			50	mL
LCS106437	06/27/03			50	mL
MB106436	06/27/03			50	mL
PEST-0003-0001	06/27/03			50	mL
PEST-0003-0002	06/27/03			50	mL
REAC-0003-0001	06/27/03			50	mL
RECV-0001-0001	06/27/03			50	mL

BLANKS

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203062602

Lab Sample ID: 106436

ICAL ID: 2

Lab Sample DESC: MB106436

Preparation Blank Matrix: (soil / water) Water

Instrument ID: ICP5

Date Analyzed: 06/30/03 Time: 1142

PREPARATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Arsenic	0.20	U	mg/L	0.0035	0.20	SW-846 1311/6010B	P
Barium	1.00	U	mg/L	0.00060	1.00	SW-846 1311/6010B	P
Cadmium	0.010	U	mg/L	0.00020	0.010	SW-846 1311/6010B	P
Chromium	0.050	U	mg/L	0.00050	0.050	SW-846 1311/6010B	P
Lead	0.10	U	mg/L	0.0024	0.10	SW-846 1311/6010B	P
Selenium	0.10	U	mg/L	0.0043	0.10	SW-846 1311/6010B	P
Silver	0.050	U	mg/L	0.00040	0.050	SW-846 1311/6010B	P

PREPARATION LOG

Lab Name: GCAL Sample ID:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203062602

Method: SW-846 7470A Method Type: AV

EPA Sample No.	Preparation Date	Weight	Units	Volume	Units
IGNT-0003-0001	06/27/03			20	mL
IGNT-0003-0001DUP	06/27/03			20	mL
IGNT-0003-0001MS	06/27/03			20	mL
IGNT-0003-0002	06/27/03			20	mL
LCS106442	06/27/03			20	mL
MB106441	06/27/03			20	mL
PEST-0003-0001	06/27/03			20	mL
PEST-0003-0002	06/27/03			20	mL
REAC-0003-0001	06/27/03			20	mL
RECV-0001-0001	06/27/03			20	mL

BLANKS

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203062602

Lab Sample ID: 106441

ICAL ID: 1

Lab Sample DESC: MB106441

Preparation Blank Matrix: (soil / water) Water

Instrument ID: FIMS1

Date Analyzed: 06/30/03 Time: 1558

PREPARATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00017	B	mg/L	0.00008	0.00020	SW-846 1311/7470A	AV

FORM III - IN

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

MB106594

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203062602

Lab File ID: 2030628/S4458

Lab Sample ID: 106594 Date Extracted:

GC Column: DB-624-30M ID: .53 (mm)

Date Analyzed: 06/28/03 Time: 1242

Instrument ID: MSV0 Matrix: Water

Heated Purge: N

Level: LOW

Prep Batch: Analytical Batch: 259279

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS106593	106593	2030628/S4455	06/28/03	1100
2.	LCSD106609	106609	2030628/S4456	06/28/03	1121
3.	IGNT-0003-0001	20306260201	2030628/S4459	06/28/03	1329
4.	PEST-0003-0001	20306260202	2030628/S4460	06/28/03	1353
5.	REAC-0003-0001	20306260203	2030628/S4461	06/28/03	1414
6.	RECV-0001-0001	20306260204	2030628/S4462	06/28/03	1435
7.	IGNT-0003-0002	20306260205	2030628/S4463	06/28/03	1456
8.	PEST-0003-0002	20306260206	2030628/S4464	06/28/03	1518

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203062602

	SAMPLE NO.	SMC1	#	SMC2	#	SMC3	#	SMC4	#	TOT OUT
1.	IGNT-0003-0001	104		103		102		97		0
2.	PEST-0003-0001	102		102		102		97		0
3.	REAC-0003-0001	103		103		101		98		0
4.	RECV-0001-0001	102		103		101		96		0
5.	IGNT-0003-0002	102		103		100		97		0
6.	PEST-0003-0002	102		102		100		97		0
7.	LCS106593	102		102		100		96		0
8.	LCSD106609	102		102		101		97		0
9.	MB106594	102		104		101		97		0

		QC LIMITS
SMC 1	4-Bromofluorobenzene	78 - 115
SMC 2	Dibromofluoromethane	70 - 130
SMC 3	Toluene-d8	83 - 112
SMC 4	1,2-Dichloroethane-d4	76 - 128

Column to be used to flag recovery values

* Values outside of contract required QC limits

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB106594

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203062602

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 106594

Level: (low/med) LOW

Lab File ID: 2030628/S4458

% Moisture: not dec.

Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm)

Date Received:

Instrument ID: MSV0

Date Analyzed: 06/28/03 Time: 1242

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: HJL

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 259279

CONCENTRATION UNITS: mg/L

Analytical Method: 1311/8260B

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-35-4	1,1-Dichloroethene	0.005	U	0.00047	0.005
107-06-2	1,2-Dichloroethane	0.005	U	0.00043	0.005
78-93-3	2-Butanone	0.025	U	0.00055	0.025
71-43-2	Benzene	0.005	U	0.00042	0.005
56-23-5	Carbon tetrachloride	0.005	U	0.00035	0.005
108-90-7	Chlorobenzene	0.005	U	0.00046	0.005
67-66-3	Chloroform	0.005	U	0.00046	0.005
127-18-4	Tetrachloroethene	0.005	U	0.00041	0.005
79-01-6	Trichloroethene	0.005	U	0.00042	0.005
75-01-4	Vinyl chloride	0.005	U	0.00051	0.005

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: GCAL

Sample ID: MB106360

Lab Code: LA024 Case No.:

Contract:

Lab File ID: 2030630P/A7649

SAS No.: SDG No.: 203062602

GC Column: DB-5MS-30M ID: .25 (mm)

Lab Sample ID: 106360 Date Extracted: 06/26/03

Instrument ID: MSSV1 Matrix: Water

Date Analyzed: 06/30/03 Time: 1753

Level: LOW

Method: 1311/8270C

Prep Batch: 259220 Analytical Batch: 259349

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS106364	106364	2030630P/A7650	06/30/03	1816
2.	IGNT-0003-0001	20306260201	2030630P/A7651	06/30/03	1840
3.	IGNT-0003-0001MS	106365	2030630P/A7652	06/30/03	1903
4.	IGNT-0003-0001MSD	106366	2030630P/A7653	06/30/03	1926
5.	PEST-0003-0001	20306260202	2030630P/A7654	06/30/03	1949
6.	REAC-0003-0001	20306260203	2030630P/A7655	06/30/03	2012
7.	RECV-0001-0001	20306260204	2030630P/A7656	06/30/03	2035
8.	IGNT-0003-0002	20306260205	2030630P/A7657	06/30/03	2058
9.	PEST-0003-0002	20306260206	2030630P/A7658	06/30/03	2122

2C

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 2 Case No.: SAS No.: SDG No.: 203062602

Method: 1311/8270C Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1	#	SMC2	#	SMC3	#	SMC4	#	SMC5	#	SMC6	#	TOT OUT
1 .	IGNT-0003-0001	89		90		100		90	*	91		85		1
2 .	PEST-0003-0001	85		93		107		85	*	89		73		1
3 .	REAC-0003-0001	86		87		101		83	*	89		82		1
4 .	RECV-0001-0001	91		94		105		84	*	91		84		1
5 .	IGNT-0003-0002	106		108		123	*	99	*	106	*	85		3
6 .	PEST-0003-0002	86		86		106		83	*	85		66		1
7 .	LCS106364	91		98		108		98	*	100	*	95		2
8 .	MB106360	88		85		101		89	*	91		73		1
9 .	IGNT-0003-0001MS	103		107		111		105	*	112	*	102		2
10 .	IGNT-0003-0001MSD	84		88		92		87	*	94		90		1

		CONTROL LIMITS	
SMC 1	Nitrobenzene-d5	43	110
SMC 2	2-Fluorobiphenyl	16	128
SMC 3	Terphenyl-d14	47	121
SMC 4	Phenol-d5	10	76
SMC 5	2-Fluorophenol	24	96
SMC 6	2,4,6-Tribromophenol	19	133

Column to be used to flag recovery limits

* Value outside of contract required limits

D Surrogate diluted out

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203062602

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/L

Sample ID: MB106360

Contract:

Lab File ID: 2030630P/A7649

Lab Sample ID: 106360

Date Collected: Time:

Date Received:

Date Extracted: 06/26/03

Date Analyzed: 06/30/03 Time: 1753

Dilution Factor: 1 Analyst: RLW

Prep Method: 3510C

Analytical Method: 1311/8270C

Instrument ID: MSSV1

Prep Batch: 259220 Analytical Batch: 259349

CAS NO.	COMPOUND	RESULT	Q	MDL	PQL
106-46-7	1,4-Dichlorobenzene	0.050	U	0.005	0.050
95-95-4	2,4,5-Trichlorophenol	0.050	U	0.00060	0.050
88-06-2	2,4,6-Trichlorophenol	0.050	U	0.001	0.050
121-14-2	2,4-Dinitrotoluene	0.050	U	0.00080	0.050
1319-77-3	Cresols	0.100	U	0.003	0.100
118-74-1	Hexachlorobenzene	0.050	U	0.001	0.050
87-68-3	Hexachlorobutadiene	0.050	U	0.00050	0.050
67-72-1	Hexachloroethane	0.050	U	0.00050	0.050
98-95-3	Nitrobenzene	0.050	U	0.002	0.050
87-86-5	Pentachlorophenol	0.100	U	0.005	0.100
110-86-1	Pyridine	0.050	U	0.001	0.050
1319-77-3M	m,p-Cresol	0.050	U	0.00050	0.050
95-48-7	o-Cresol	0.050	U	0.003	0.050

4C

ORGANIC METHOD BLANK SUMMARY

Lab Name: GCAL

Lab Code: LA024 Case No.:

Lab Sample ID: 106562

Matrix: Water Sulfur Cleanup: (Y/N) N

Date Analyzed (1): 06/28/03 Time (1): 1256

Instrument ID (1): GCS3A

GC Column (1): RTX-1701 ID: .53 (mm)

Method: 1311/8081A

Lab File ID: 2030628/SV3005

Sample ID: MB106562

Contract:

SAS No.: SDG No.: 203062602

Date Extracted: 06/27/03

Date Analyzed (2): Time (2):

Instrument ID (2):

GC Column (2): ID: (mm)

Prep Batch: 259264 Analytical Batch: 259316

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATE ANALYZED	TIME ANALYZED
1.	LCS106563	106563	06/28/03	1325		
2.	LCSD106564	106564	06/28/03	1355		
3.	IGNT-0003-0001	20306260201	06/28/03	1424		
4.	PEST-0003-0001	20306260202	06/28/03	1454		
5.	PEST-0003-0001MS	106567	06/28/03	1523		
6.	PEST-0003-0001MSD	106568	06/28/03	1553		
7.	REAC-0003-0001	20306260203	06/28/03	1622		
8.	RECV-0001-0001	20306260204	06/28/03	1652		
9.	IGNT-0003-0002	20306260205	06/28/03	1820		
10.	PEST-0003-0002	20306260206	06/28/03	1850		

2E

WATER PESTICIDE SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203062602

GC Column (1): RTX-1701 ID: .53 (mm) GC Cloumn (2): ID: (mm)

Method: 1311/8081A

	EPA SAMPLE NO.	SMC1 1-(1)	Lo	Hi	F	SMC1 1-(2)	Lo	Hi	F	SMC2 2-(1)	Lo	Hi	F	SMC2 2-(2)	Lo	Hi	F	TOT OUT
1.	IGNT-0003-0001	92	45	148						97	34	135						0
2.	PEST-0003-0001	149	45	148	*					148	34	135	*					2
3.	REAC-0003-0001	78	45	148						76	34	135						0
4.	RECV-0001-0001	79	45	148						70	34	135						0
5.	IGNT-0003-0002	88	45	148						84	34	135						0
6.	PEST-0003-0002	83	45	148						79	34	135						0
7.	MB106562	87	45	148						44	34	135						0
8.	LCS106563	78	45	148						64	34	135						0
9.	LCSD106564	63	45	148						77	34	135						0
10.	PEST-0003-0001MS	78	45	148						74	34	135						0
11.	PEST-0003-0001MSD	73	45	148						84	34	135						0

SMC 1 : Tetrachloro-m-xylene SMC 2 : Decachlorobiphenyl

Column to be used to flag recovery limits

* Value outside of contract required limits

D Surrogate diluted out

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-1701 ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 259264 Analytical Batch: 259316

Sample ID: MB106562

Contract:

SAS No.: SDG No.: 203062602

Lab Sample ID: 106562

Date Collected: Time:

Date Received:

Date Extracted: 06/27/03

Date Analyzed: 06/28/03 Time: 1256

Dilution Factor: 1 Analyst: DLB

Prep Method: 3510C

Analytical Method: 1311/8081A

Sulfur Cleanup: (Y/N) N Instrument ID: GCS3A

CONCENTRATION UNITS: mg/L

Lab File ID: 2030628/SV3005

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
57-74-9	Chlordane	0.02500	U	0.00016	0.02500
72-20-8	Endrin	0.00100	U	0.00013	0.00100
76-44-8	Heptachlor	0.00050	U	0.00008	0.00050
1024-57-3	Heptachlor epoxide	0.00050	U	0.00010	0.00050
72-43-5	Methoxychlor	0.02500	U	0.00065	0.02500
8001-35-2	Toxaphene	0.25000	U	0.00050	0.25000
58-89-9	gamma-BHC (Lindane)	0.00050	U	0.00006	0.00050

Batch Sample Worklist

Gulf Coast Analytical Laboratories, Inc.

Queue: INPR Inorganic Prep Reactive Cn QC Rule: CNR_W_EX Status: NA Other Criteria:

Batch: 2341 HBN: 259179 Analyst: Obbie Tillotson Created Date: 6/26/03 10:28

Pos	Lab ID	Type	CC	DILUTION	Analyte List	WO	HSN	Due Date	Expire Date	HISTORY	Sample ID	Hazard	Original HSN
1	106193	MB	OK		CNR_W_EX		1E+05	6/27/03	7/10/03 10:28	N/A	MB for HBN 259179 [INPR/2341]	N	
											PH CHECK		
2	106194	LCS	OK		CNR_W_EX		1E+05	6/27/03	7/10/03 10:28	N/A	LCS for HBN 259179 [INPR/2341]	N	
											PH CHECK		
3	20306260201	SAMPLE	OK		CNR_W_EX	203062602	1E+05	6/27/03	7/8/03 11:00	1	IGNT-0003-0001	N	
											PH CHECK		
4	[redacted]	DUP	OK		CNR_W_EX		1E+05	6/26/03	7/8/03 11:00	N/A	IGNT-0003-0001(106073DUP)	N	106073
											PH CHECK		
5	20306260202	SAMPLE	OK		CNR_W_EX	203062602	1E+05	6/27/03	7/8/03 11:30	1	PEST-0003-0001	N	
											PH CHECK		
6	20306260203	SAMPLE	OK		CNR_W_EX	203062602	1E+05	6/27/03	7/8/03 12:00	1	REAC-0003-0001	N	
											PH CHECK		
7	20306260204	SAMPLE	OK		CNR_W_EX	203062602	1E+05	6/27/03	7/8/03 12:30	1	RECV-0001-0001	N	
											PH CHECK		
8	20306260205	SAMPLE	OK		CNR_W_EX	203062602	1E+05	6/27/03	7/8/03 14:30	1	IGNT-0003-0002	N	
											PH CHECK		
9	20306260206	SAMPLE	OK		CNR_W_EX	203062602	1E+05	6/27/03	7/8/03 15:00	1	PEST-0003-0002	N	
											PH CHECK		
10	[redacted]	SAMPLE	OK		CNR_W_EX	203062604	1E+05	6/30/03	7/9/03 7:30	1	REAC-0003-0002	N	
											PH CHECK		
11	[redacted]	SAMPLE	OK		CNR_W_EX	203062604	1E+05	6/30/03	7/9/03 8:00	1	RECV-0001-0002	N	
											PH CHECK		

000095

Batch Sample Worklist

Gulf Coast Analytical Laboratories, Inc.

Queue: INPR Inorganic Prep Reactives **QC Rule:** SR_W_EX **Status:** NA **Other Criteria:**

Batch: 2342 **HBN:** 259180 **Analyst:** Obbie Tillotson **Created Date:** 6/26/03 10:30

Pos	Lab ID	Type	CC	DILUTION	Analyte List	WO	HSN	Due Date	Expire Date	HISTORY	Sample ID	Hazard	Original HSN
1	106203	MB	OK		SR_W_EX		1E+05	6/27/03	12/23/03 10:30	N/A	MB for HBN 259180 [INPR/2342]	N	
											PH CHECK		
2	106204	LCS	OK		SR_W_EX		1E+05	6/27/03	12/23/03 10:30	N/A	LCS for HBN 259180 [INPR/2342]	N	
											PH CHECK		
3	20306260201	SAMPLE	OK		SR_W_EX	203062602	1E+05	6/27/03	12/21/03 11:00	1	IGNT-0003-0001	N	
											PH CHECK		
4	106205	DUP	OK		SR_W_EX		1E+05	6/26/03	12/21/03 11:00	N/A	IGNT-0003-0001(106073DUP)	N	106073
											PH CHECK		
5	20306260202	SAMPLE	OK		SR_W_EX	203062602	1E+05	6/27/03	12/21/03 11:30	1	PEST-0003-0001	N	
											PH CHECK		
6	20306260203	SAMPLE	OK		SR_W_EX	203062602	1E+05	6/27/03	12/21/03 12:00	1	REAC-0003-0001	N	
											PH CHECK		
7	20306260204	SAMPLE	OK		SR_W_EX	203062602	1E+05	6/27/03	12/21/03 12:30	1	RECV-0001-0001	N	
											PH CHECK		
8	20306260205	SAMPLE	OK		SR_W_EX	203062602	1E+05	6/27/03	12/21/03 14:30	1	IGNT-0003-0002	N	
											PH CHECK		
9	20306260206	SAMPLE	OK		SR_W_EX	203062602	1E+05	6/27/03	12/21/03 15:00	1	PEST-0003-0002	N	
											PH CHECK		
10	[redacted]	SAMPLE	OK		SR_W_EX	203062604	1E+05	6/30/03	12/22/03 7:30	1	REAC-0003-0002	N	
											PH CHECK		
11	[redacted]	SAMPLE	OK		SR_W_EX	203062604	1E+05	6/30/03	12/22/03 8:00	1	RECV-0001-0002	N	
											PH CHECK		

000096

Batch Sample Worklist

Gulf Coast Analytical Laboratories, Inc.

Queue: TOC Total Organic Carbon (TOC) **QC Rule:** TOC_W **Status:** RE **Other Criteria:**

Batch: 1687 **HBN:** 259210 **Analyst:** Bessie Claiborne **Created Date:** 6/26/03 16:17

Pos	Lab ID	Type	CC	DILUTION	Analyte List	WO	HSN	Due Date	Expire Date	HISTORY	Sample ID	Hazard	Original HSN
1	106343	MB	OK		TOC_W_QC		1E+05	7/1/03	7/24/03 16:17	N/A	MB for HBN 259210 [TOC/1687]	N	
											PH CHECK		
2	106344	LCS	OK		TOC_W_QC		1E+05	7/1/03	7/24/03 16:17	N/A	LCS for HBN 259210 [TOC/1687]	N	
											PH CHECK		
3	[redacted]	SAMPLE	OK		TOC_W	203062435	1E+05	6/30/03	7/21/03 8:55	1	TWB-D-2986, 002A	N	
											PH CHECK		
4	[redacted]	DUP	OK		TOC_W_QC		1E+05	6/27/03	7/21/03 8:55	N/A	TWB-D-2986, 002A(105697DUP)	N	105697
											PH CHECK		
5	[redacted]	MS	OK		TOC_W_QC		1E+05	6/27/03	7/21/03 8:55	N/A	TWB-D-2986, 002A(105697MS)	N	105697
											PH CHECK		
6	[redacted]	SAMPLE	OK		TOC_W	203062435	1E+05	6/30/03	7/22/03 4:05	1	TWB-D-2987, 002A	N	
											PH CHECK		
7	[redacted]	SAMPLE	OK		TOC_W	203062533	1E+05	7/1/03	7/23/03 7:30	1	199907 NF-CANAL WATER	N	
											PH CHECK		
8	[redacted]	SAMPLE	OK		TOC_W	203062533	1E+05	7/1/03	7/23/03 7:30	1	199908 NG GRAVITY	N	
											PH CHECK		
9	[redacted]	SAMPLE	OK		TOC_W	203062538	1E+05	7/1/03	7/23/03 14:30	1	Outfall 004	N	
											PH CHECK		
10	[redacted]	SAMPLE	OK		TOC_W	203062544	1E+05	7/1/03	7/23/03 10:10	1	Outfall 001 Fract	N	
											PH CHECK		
11	[redacted]	SAMPLE	OK		TOC_W	203062544	1E+05	7/1/03	7/23/03 10:00	1	Blowdown 201 Fract	N	
											PH CHECK		

000097

Batch Sample Worklist
Gulf Coast Analytical Laboratories, Inc.

Queue: TOC Total Organic Carbon (TOC) **QC Rule:** TOC_W **Status:** RE **Other Criteria:**

Batch: 1687 **HBN:** 259210 **Analyst:** Bessie Claiborne **Created Date:** 6/26/03 16:17

Pos	Lab ID	Type	CC	DILUTION	Analyte List	WO	HSN	Due Date	Expire Date	HISTORY	Sample ID	Hazard	Original HSN
12	[redacted]	SAMPLE	OK		TOC_W	203062544	1E+05	7/1/03	7/23/03 10:20	1	CPI SEP 301 FRACT	N	
											PH CHECK		
13	[redacted]	SAMPLE	OK		TOC_W	203062546	1E+05	7/1/03	7/23/03 10:46	1	Outfall 101 PCU	N	
											PH CHECK		
14	[redacted]	SAMPLE	OK		TOC_W	203062546	1E+05	7/1/03	7/23/03 10:40	1	Blowdown 101 PCU	N	
											PH CHECK		
15	20306260201	SAMPLE	OK		TOC_W	203062602	1E+05	7/1/03	7/22/03 11:00	1	IGNT-0003-0001	N	
											PH CHECK		
16	20306260202	SAMPLE	OK		TOC_W	203062602	1E+05	7/1/03	7/22/03 11:30	1	PEST-0003-0001	N	
											PH CHECK		
17	20306260203	SAMPLE	OK		TOC_W	203062602	1E+05	7/1/03	7/22/03 12:00	1	REAC-0003-0001	N	
											PH CHECK		
18	20306260204	SAMPLE	OK		TOC_W	203062602	1E+05	7/1/03	7/22/03 12:30	1	RECV-0001-0001	N	
											PH CHECK		
19	20306260205	SAMPLE	OK		TOC_W	203062602	1E+05	7/1/03	7/22/03 14:30	1	IGNT-0003-0002	N	
											PH CHECK		
20	20306260206	SAMPLE	OK		TOC_W	203062602	1E+05	7/1/03	7/22/03 15:00	1	PEST-0003-0002	N	
											PH CHECK		
21	[redacted]	DUP	OK		TOC_W_QC		1E+05	6/30/03	7/22/03 15:00	N/A	PEST-0003-0002(106078DUP)	N	106078
											PH CHECK		
22	[redacted]	MS	OK		TOC_W_QC		1E+05	6/30/03	7/22/03 15:00	N/A	PEST-0003-0002(106078MS)	N	106078
											PH CHECK		

000098

Batch Sample Worklist

Gulf Coast Analytical Laboratories, Inc.

Total Organic Halides

Queue: TOC Total Organic Carbon (TOC) **QC Rule:** TOX_W **Status:** RE **Other Criteria:**

Batch: 1698 **HBN:** 259634 **Analyst:** Shelley Bourgeois **Created Date:** 7/8/03 10:59

Pos	Lab ID	Type	CC	DILUTION	Analyte List	WO	HSN	Due Date	Expire Date	HISTORY	Sample ID	Hazard	Original HSN
1	107681	MB	OK		TOX_W		1E+05	7/11/03	8/5/03 10:59	N/A	MB for HBN 259634 [TOC/1698]	N	
											PH CHECK		
2	107682	LCS	OK		TOX_W		1E+05	7/11/03	8/5/03 10:59	N/A	LCS for HBN 259634 [TOC/1698]	N	
											PH CHECK		
3	[redacted]	SAMPLE	OK		TOX_W	203062604	1E+05	7/2/03	7/23/03 7:30	1	REAC-0003-0002	N	
											PH CHECK		
4	[redacted]	DUP	OK		TOX_W		1E+05	7/1/03	7/23/03 7:30	N/A	REAC-0003-0002(106101DUP)	N	106101
											PH CHECK		
5	[redacted]	MS	OK		TOX_W		1E+05	7/1/03	7/23/03 7:30	N/A	REAC-0003-0002(106101MS)	N	106101
											PH CHECK		
6	[redacted]	SAMPLE	OK		TOX_W	203062604	1E+05	7/2/03	7/23/03 10:00	1	IGNT-0003-0003	N	
											PH CHECK		
7	[redacted]	SAMPLE	OK		TOX_W	203062604	1E+05	7/2/03	7/23/03 8:00	1	RECV-0001-0002	N	
											PH CHECK		
8	[redacted]	SAMPLE	OK		TOX_W	203062604	1E+05	7/2/03	7/23/03 10:30	1	PEST-0003-0003	N	
											PH CHECK		
9	[redacted]	SAMPLE	OK		TOX_W	203062604	1E+05	7/2/03	7/23/03 11:00	1	REAC-0003-0003	N	
											PH CHECK		
10	20306260201	SAMPLE	OK		TOX_W	203062602	1E+05	7/1/03	7/22/03 11:00	1	IGNT-0003-0001	N	
											PH CHECK		
11	20306260202	SAMPLE	OK		TOX_W	203062602	1E+05	7/1/03	7/22/03 11:30	1	PEST-0003-0001	N	
											PH CHECK		

000099

Batch Sample Worklist
Gulf Coast Analytical Laboratories, Inc.

Queue: TOC Total Organic Carbon (TOC) QC Rule: TOX_W Status: RE Other Criteria:

Batch: 1698 HBN: 259634 Analyst: Shelley Bourgeois Created Date: 7/8/03 10:59

Pos	Lab ID	Type	CC	DILUTION	Analyte List	WO	HSN	Due Date	Expire Date	HISTORY	Sample ID	Hazard	Original HSN
12	[redacted]	SAMPLE	OK		TOX_W	203062604	1E+05	7/2/03	7/23/03 11:15	1	RECV-0001-0003	N	
											PH CHECK		
13	20306260203	SAMPLE	OK		TOX_W	203062602	1E+05	7/1/03	7/22/03 12:00	1	REAC-0003-0001	N	
											PH CHECK		
14	20306260204	SAMPLE	OK		TOX_W	203062602	1E+05	7/1/03	7/22/03 12:30	1	RECV-0001-0001	N	
											PH CHECK		
15	20306260205	SAMPLE	OK		TOX_W	203062602	1E+05	7/1/03	7/22/03 14:30	1	IGNT-0003-0002	N	
											PH CHECK		
16	20306260206	SAMPLE	OK		TOX_W	203062602	1E+05	7/1/03	7/22/03 15:00	1	PEST-0003-0002	N	
											PH CHECK		
17	[redacted]	SAMPLE	OK		TOX_W	203070118	1E+05	7/7/03	7/29/03 10:30	1	INJECTION WELL COMPOSITE	N	
											PH CHECK		
18	[redacted]	SAMPLE			TOX_W	203070329	1E+05	7/9/03	7/30/03 10:20	2	MW-25 (1)	N	
											PH CHECK		
19	[redacted]	SAMPLE			TOX_W	203070329	1E+05	7/9/03	7/30/03 10:20	2	MW-25 (2)	N	
											PH CHECK		
20	[redacted]	SAMPLE			TOX_W	203070329	1E+05	7/9/03	7/30/03 10:20	2	MW-25 (3)	N	
											PH CHECK		
21	[redacted]	SAMPLE			TOX_W	203070329	1E+05	7/9/03	7/30/03 10:20	2	MW-25 (4)	N	
											PH CHECK		
22	[redacted]	SAMPLE			TOX_W	203070329	1E+05	7/9/03	7/30/03 11:15	2	MW-26 (1)	N	
											PH CHECK		
23	[redacted]	SAMPLE			TOX_W	203070329	1E+05	7/9/03	7/30/03 11:15	2	MW-26 (2)	N	
											PH CHECK		

000100

QUALITY CONTROL SUMMARY

LCS ID: 106194 ORIGINAL LAB ID: PREP BATCH: 259179
MATRIX: Water ANALYTICAL BATCH: 259203

9012A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
57-12-5R	Reactivity Cyanide	250 mg/L	49.2	20	1 - 20

ORIGINAL LAB ID: 203062602015 PREP BATCH: 259179
MATRIX: Water ANALYTICAL BATCH: 259203

9012A

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
57-12-5R	Reactivity Cyanide	0	0	0	0 - 25

LCS ID: 106244 ORIGINAL LAB ID: PREP BATCH:
MATRIX: Water ANALYTICAL BATCH: 259210

EPA 5310 B (TOC)

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
C-012	Total Organic Carbon	50 mg/L	52.3	105	80 - 120

ORIGINAL LAB ID: 203062435011 PREP BATCH:
MATRIX: Water ANALYTICAL BATCH: 259210

EPA 5310 B (TOC)

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
C-012	Total Organic Carbon	0	0	0	0 - 25

ORIGINAL LAB ID: 203062435011 PREP BATCH:
MATRIX: Water ANALYTICAL BATCH: 259210

EPA 5310 B (TOC)

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
C-012	Total Organic Carbon	0	50 mg/L	51.3	103	75 - 125

ORIGINAL LAB ID: 203062602006 PREP BATCH:
MATRIX: Water ANALYTICAL BATCH: 259210

EPA 5310 B (TOC)

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
C-012	Total Organic Carbon	0	2	200 *	0 - 25

ORIGINAL LAB ID: 203062602006 PREP BATCH:
MATRIX: Water ANALYTICAL BATCH: 259210

EPA 5310 B (TOC)

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
C-012	Total Organic Carbon	0	50 mg/L	50.2	100	75 - 125

QUALITY CONTROL SUMMARY

[redacted] ORIGINAL LAB ID: 20306250208 PREP BATCH: [redacted]
MATRIX: Water ANALYTICAL BATCH: 0592121

4500 H+B

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
pH	pH	7.29	7.32	0.4	0 - 6

[redacted] ORIGINAL LAB ID: [redacted] PREP BATCH: 0590180
MATRIX: Water ANALYTICAL BATCH: 0592634

9034

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
18496-25-8R	Reactivity Sulfide	1000 mg/L	577	57.7	26 - 114

[redacted] ORIGINAL LAB ID: 20306260201 PREP BATCH: 0590180
MATRIX: Water ANALYTICAL BATCH: 0592634

9034

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
18496-25-8R	Reactivity Sulfide	0	0	0	0 - 25

[redacted] ORIGINAL LAB ID: [redacted] PREP BATCH: [redacted]
MATRIX: Water ANALYTICAL BATCH: 0592634

9020B

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
59473-04-0	Total Organic Halides	53.9 ug/L	53.1	98.6	89.5 - 111

[redacted] ORIGINAL LAB ID: 20306260401 PREP BATCH: [redacted]
MATRIX: Water ANALYTICAL BATCH: 0592634

9020B

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
59473-04-0	Total Organic Halides	86.5	74.1	15.4	0 - 25

[redacted] ORIGINAL LAB ID: 20306260401 PREP BATCH: [redacted]
MATRIX: Water ANALYTICAL BATCH: 0592634

9020B

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
59473-04-0	Total Organic Halides	86.5	200 ug/L	263	88.2	75 - 125

PREPARATION LOG

Lab Name: GCAL

Sample ID:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203062602

Method: 3010A

Method Type: P

EPA Sample No.	Preparation Date	Weight	Units	Volume	Units
IGNT-0003-0001	06/27/03			50	mL
IGNT-0003-0001DUP	06/27/03			50	mL
IGNT-0003-0001MS	06/27/03			50	mL
IGNT-0003-0002	06/27/03			50	mL
LCS106437	06/27/03			50	mL
MB106436	06/27/03			50	mL
PEST-0003-0001	06/27/03			50	mL
PEST-0003-0002	06/27/03			50	mL
REAC-0003-0001	06/27/03			50	mL
RECV-0001-0001	06/27/03			50	mL

LABORATORY CONTROL SAMPLE

Lab Name: GCAL

Sample ID: LCS106437

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203062602

Lab Sample ID: 106437

LCS Source: 334-13-17 INORGANIC VENTURES

Analyte	True	Found	% R	LL	UL	Units	Method	Type
Arsenic	1.00	1.14	114	80	120	mg/L	SW-846 1311/6010B	P
Barium	1.00	1.10	110	80	120	mg/L	SW-846 1311/6010B	P
Cadmium	1.00	1.11	111	80	120	mg/L	SW-846 1311/6010B	P
Chromium	1.00	1.10	110	80	120	mg/L	SW-846 1311/6010B	P
Lead	1.00	1.10	110	80	120	mg/L	SW-846 1311/6010B	P
Selenium	1.00	1.13	113	80	120	mg/L	SW-846 1311/6010B	P
Silver	1.00	1.10	110	80	120	mg/L	SW-846 1311/6010B	P

FORM VII - IN

PREPARATION LOG

Lab Name: GCAL

Sample ID:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203062602

Method: SW-846 7470A

Method Type: AV

EPA Sample No.	Preparation Date	Weight	Units	Volume	Units
IGNT-0003-0001	06/27/03			20	mL
IGNT-0003-0001DUP	06/27/03			20	mL
IGNT-0003-0001MS	06/27/03			20	mL
IGNT-0003-0002	06/27/03			20	mL
LCS106442	06/27/03			20	mL
MB106441	06/27/03			20	mL
PEST-0003-0001	06/27/03			20	mL
PEST-0003-0002	06/27/03			20	mL
REAC-0003-0001	06/27/03			20	mL
RECV-0001-0001	06/27/03			20	mL

LABORATORY CONTROL SAMPLE

Lab Name: GCAL

Sample ID: LCS106442

Lab Code: LA024

Case No.:

Contract:

Matrix (soil / water) Water

SAS No.:

SDG No.: 203062602

Lab Sample ID: 106442

LCS Source: 106-15-6 EXAXOL

Analyte	True	Found	% R	LL	UL	Units	Method	Type
Mercury	0.00500	0.00436	87	80	120	mg/L	SW-846 1311/7470A	AV

FORM VII - IN

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

MB106594

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.:

SDG No.: 203062602

Lab File ID: 2030628/S4458

Lab Sample ID: 106594

Date Extracted:

GC Column: DB-624-30M ID: .53 (mm)

Date Analyzed: 06/28/03

Time: 1242

Instrument ID: MSV0 Matrix: Water

Level: LOW

Heated Purge: N

Prep Batch:

Analytical Batch: 259279

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS106593	106593	2030628/S4455	06/28/03	1100
2.	LCSD106609	106609	2030628/S4456	06/28/03	1121
3.	IGNT-0003-0001	20306260201	2030628/S4459	06/28/03	1329
4.	PEST-0003-0001	20306260202	2030628/S4460	06/28/03	1353
5.	REAC-0003-0001	20306260203	2030628/S4461	06/28/03	1414
6.	RECV-0001-0001	20306260204	2030628/S4462	06/28/03	1435
7.	IGNT-0003-0002	20306260205	2030628/S4463	06/28/03	1456
8.	PEST-0003-0002	20306260206	2030628/S4464	06/28/03	1518

3A

WATER VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203062602

Analytical Batch: 259279

SAMPLE NO. : 106593

COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS % REC	#	QC. LIMITS
1,1-Dichloroethene	mg/L	.025	0	.03	121		67 - 140
1,2-Dichloroethane	mg/L	.025	0	.027	106		79 - 134
2-Butanone	mg/L	.025	0	.026	102		59 - 157
Benzene	mg/L	.025	0	.026	105		74 - 128
Carbon tetrachloride	mg/L	.025	0	.028	112		70 - 140
Chlorobenzene	mg/L	.025	0	.025	102		78 - 125
Chloroform	mg/L	.025	0	.026	104		80 - 124
Tetrachloroethene	mg/L	.025	0	.027	106		75 - 140
Trichloroethene	mg/L	.025	0	.025	102		63 - 118
Vinyl chloride	mg/L	.025	0	.029	114		68 - 127

SAMPLE NO. : 106609

COMPOUND	UNITS	SPIKE ADDED	LCSD CONC.	LCSD % REC	#	% RPD	#	QC. LIMITS REC	QC. LIMITS RPD
1,1-Dichloroethene	mg/L	.025	.026	106		14		67 - 140	0 - 14
1,2-Dichloroethane	mg/L	.025	.026	105		4		79 - 134	0 - 30
2-Butanone	mg/L	.025	.026	102		0		59 - 157	0 - 30
Benzene	mg/L	.025	.026	102		0		74 - 128	0 - 11
Carbon tetrachloride	mg/L	.025	.027	109		4		70 - 140	0 - 30
Chlorobenzene	mg/L	.025	.025	98		0		78 - 125	0 - 13
Chloroform	mg/L	.025	.026	102		0		80 - 124	0 - 14
Tetrachloroethene	mg/L	.025	.025	99		8		75 - 140	0 - 14
Trichloroethene	mg/L	.025	.024	96		4		63 - 118	0 - 14
Vinyl chloride	mg/L	.025	.027	108		7		68 - 127	0 - 30

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 out of 10 outside limits

Spike Recovery: 0 out of 20 outside limits

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: GCAL

Lab Code: LA024 Case No.:

Lab File ID: 2030630P/A7649

GC Column: DB-5MS-30M ID: .25 (mm)

Instrument ID: MSSV1 Matrix: Water

Level: LOW

Sample ID: MB106360

Contract:

SAS No.: SDG No.: 203062602

Lab Sample ID: 106360 Date Extracted: 06/26/03

Date Analyzed: 06/30/03 Time: 1753

Method: 1311/8270C

Prep Batch: 259220 Analytical Batch: 259349

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS106364	106364	2030630P/A7650	06/30/03	1816
2.	IGNT-0003-0001	20306260201	2030630P/A7651	06/30/03	1840
3.	IGNT-0003-0001MS	106365	2030630P/A7652	06/30/03	1903
4.	IGNT-0003-0001MSD	106366	2030630P/A7653	06/30/03	1926
5.	PEST-0003-0001	20306260202	2030630P/A7654	06/30/03	1949
6.	REAC-0003-0001	20306260203	2030630P/A7655	06/30/03	2012
7.	RECV-0001-0001	20306260204	2030630P/A7656	06/30/03	2035
8.	IGNT-0003-0002	20306260205	2030630P/A7657	06/30/03	2058
9.	PEST-0003-0002	20306260206	2030630P/A7658	06/30/03	2122

FORM IV SV

3C

WATER SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203062602

Contract: Method: 1311/8270C

Prep Batch: 259220 Analytical Batch.: 259349

Spike HSN : 106364

COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS % REC	REC FLAG	QC. LIMITS
1,4-Dichlorobenzene	mg/L	.1	0	.09	90		40 - 122
2,4,5-Trichlorophenol	mg/L	.1	0	.102	102		45 - 135
2,4,6-Trichlorophenol	mg/L	.1	0	.099	99		45 - 135
2,4-Dinitrotoluene	mg/L	.1	0	.106	106		60 - 124
Hexachlorobenzene	mg/L	.1	0	.092	92		60 - 120
Hexachlorobutadiene	mg/L	.1	0	.092	92		38 - 94
Hexachloroethane	mg/L	.1	0	.086	86		45 - 135
Nitrobenzene	mg/L	.1	0	.089	89		60 - 120
Pentachlorophenol	mg/L	.1	0	.082	82		31 - 128
Pyridine	mg/L	.1	0	.086	86		30 - 150
m,p-Cresol	mg/L	.1	0	.081	81		30 - 150
o-Cresol	mg/L	.1	0	.082	82		30 - 150

Spike Dupe HSN :

COMPOUND	UNITS	SPIKE ADDED	LCSD CONC.	LCSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD

RPD : 0 out of 0 outside limits

Spike Recovery: 0 out of 12 outside limits

FORM III SV-1

4C

ORGANIC METHOD BLANK SUMMARY

Lab Name: GCAL

Sample ID: MB106562

Lab Code: LA024 Case No.:

Contract:

Lab Sample ID: 106562

SAS No.: SDG No.: 203062602

Matrix: Water Sulfur Cleanup: (Y/N) N

Date Extracted: 06/27/03

Date Analyzed (1): 06/28/03 Time (1): 1256

Date Analyzed (2): Time (2):

Instrument ID (1): GCS3A

Instrument ID (2):

GC Column (1): RTX-1701 ID: .53 (mm)

GC Column (2): ID: (mm)

Method: 1311/8081A

Prep Batch: 259264 Analytical Batch: 259316

Lab File ID: 2030628/SV3005

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATE ANALYZED	TIME ANALYZED
1.	LCS106563	106563	06/28/03	1325		
2.	LCSD106564	106564	06/28/03	1355		
3.	IGNT-0003-0001	20306260201	06/28/03	1424		
4.	PEST-0003-0001	20306260202	06/28/03	1454		
5.	PEST-0003-0001MS	106567	06/28/03	1523		
6.	PEST-0003-0001MSD	106568	06/28/03	1553		
7.	REAC-0003-0001	20306260203	06/28/03	1622		
8.	RECV-0001-0001	20306260204	06/28/03	1652		
9.	IGNT-0003-0002	20306260205	06/28/03	1820		
10.	PEST-0003-0002	20306260206	06/28/03	1850		

3E

WATER ORGANICS LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203062602

Contract: Method: 1311/8081A

SAMPLE NO : 106563

COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS % REC	LCS % REC FLAG	QC. LIMITS
Endrin	mg/L	.0005	0	.00046	93		53 - 168
Heptachlor	mg/L	.0005	0	.00041	82		51 - 152
Heptachlor epoxide	mg/L	.0005	0	.00048	96		56 - 147
Methoxychlor	mg/L	.0005	0	.00067	134		29 - 179
gamma-BHC (Lindane)	mg/L	.0005	0	.0005	100		37 - 143

SAMPLE NO : 106564

COMPOUND	UNITS	SPIKE ADDED	LCSD CONC.	LCSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
Endrin	mg/L	.0005	.0004	79		14		53 - 168	0 - 40
Heptachlor	mg/L	.0005	.00036	72		13		51 - 152	0 - 40
Heptachlor epoxide	mg/L	.0005	.0004	79		18		56 - 147	0 - 40
Methoxychlor	mg/L	.0005	.00051	101		27		29 - 179	0 - 40
gamma-BHC (Lindane)	mg/L	.0005	.00041	82		20		37 - 143	0 - 40

RPD : 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

QUALITY CONTROL SUMMARY

[redacted] ORIGINAL LAB ID [illegible] PREP BATCH [illegible]
MATRIX Water ANALYTICAL BATCH [illegible]

9012A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
57-12-5R	Reactivity Cyanide	250 mg/L	49.2	20	1 - 20

[redacted] ORIGINAL LAB ID [illegible] PREP BATCH [illegible]
MATRIX Water ANALYTICAL BATCH [illegible]

9012A

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
57-12-5R	Reactivity Cyanide	0	0	0	0 - 25

[redacted] ORIGINAL LAB ID [illegible] PREP BATCH [illegible]
MATRIX Water ANALYTICAL BATCH [illegible]

EPA 5310 B (TOC)

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
C-012	Total Organic Carbon	50 mg/L	52.3	105	80 - 120

[redacted] ORIGINAL LAB ID [illegible] PREP BATCH [illegible]
MATRIX Water ANALYTICAL BATCH [illegible]

EPA 5310 B (TOC)

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
C-012	Total Organic Carbon	0	0	0	0 - 25

[redacted] MS LAB ID [illegible] ORIGINAL LAB ID [illegible] PREP BATCH [illegible]
MATRIX Water ANALYTICAL BATCH [illegible]

EPA 5310 B (TOC)

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
C-012	Total Organic Carbon	0	50 mg/L	51.3	103	75 - 125

[redacted] ORIGINAL LAB ID [illegible] PREP BATCH [illegible]
MATRIX Water ANALYTICAL BATCH [illegible]

EPA 5310 B (TOC)

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
C-012	Total Organic Carbon	0	2	200 *	0 - 25

[redacted] MS LAB ID [illegible] ORIGINAL LAB ID [illegible] PREP BATCH [illegible]
MATRIX Water ANALYTICAL BATCH [illegible]

EPA 5310 B (TOC)

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
C-012	Total Organic Carbon	0	50 mg/L	50.2	100	75 - 125

QUALITY CONTROL SUMMARY

[redacted] ORIGINAL LAB ID: 203062[redacted] PREP BATCH: [redacted]
MATRIX: Water ANALYTICAL BATCH: 259212

4500 H+B

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
pH	pH	7.29	7.32	0.4	0 - 6

[redacted] ORIGINAL LAB ID: [redacted] PREP BATCH: [redacted]
MATRIX: Water ANALYTICAL BATCH: [redacted]

9034

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
18496-25-8R	Reactivity Sulfide	1000 mg/L	577	57.7	26 - 114

[redacted] ORIGINAL LAB ID: 203062[redacted] PREP BATCH: [redacted]
MATRIX: Water ANALYTICAL BATCH: [redacted]

9034

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
18496-25-8R	Reactivity Sulfide	0	0	0	0 - 25

[redacted] ORIGINAL LAB ID: [redacted] PREP BATCH: [redacted]
MATRIX: Water ANALYTICAL BATCH: [redacted]

9020B

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
59473-04-0	Total Organic Halides	53.9 ug/L	53.1	98.6	89.5 - 111

[redacted] ORIGINAL LAB ID: 203062604[redacted] PREP BATCH: [redacted]
MATRIX: Water ANALYTICAL BATCH: [redacted]

9020B

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
59473-04-0	Total Organic Halides	86.5	74.1	15.4	0 - 25

[redacted] ORIGINAL LAB ID: 203062604[redacted] PREP BATCH: [redacted]
MATRIX: Water ANALYTICAL BATCH: [redacted]

9020B

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
59473-04-0	Total Organic Halides	86.5	200 ug/L	263	88.2	75 - 125

SPIKE SAMPLE RECOVERY

Lab Name: GCAL

Sample ID: IGNT-0003-0001MS

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203062602

Level: (low / med)

Lab Sample ID: 106439

Orig Lab Sample ID: 20306260201

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Arsenic	75	125	1.16		0	U	1.00	116		mg/L	SW-846 1311/6010B	P
Barium	75	125	1.23		0.13	B	1.00	110		mg/L	SW-846 1311/6010B	P
Cadmium	75	125	1.07		0	U	1.00	107		mg/L	SW-846 1311/6010B	P
Chromium	75	125	1.11		0.024	B	1.00	109		mg/L	SW-846 1311/6010B	P
Lead	75	125	1.08		0	U	1.00	108		mg/L	SW-846 1311/6010B	P
Selenium	75	125	1.14		0.0089	B	1.00	113		mg/L	SW-846 1311/6010B	P
Silver	75	125	1.11		0	U	1.00	111		mg/L	SW-846 1311/6010B	P

SPIKE SAMPLE RECOVERY

Lab Name: GCAL

Sample ID: IGNT-0003-0001MS

Lab Code: LA024

Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.:

SDG No.: 203062602

Level: (low / med)

Lab Sample ID: 106444

Orig Lab Sample ID: 20306260201

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Mercury	75	125	0.00453		0.00016	B	0.00500	87		mg/L	SW-846 1311/7470A	AV

FORM V (PART 1) - IN

3C

WATER SEMIVOLATILE MS/MSD RECOVERY

Lab Name: GCAL | Sample ID: IGNT-0003-0001

Lab Code: LA024 | Case No.: | SAS No.: | SDG No.: 203062602

Contract: | Method: 1311/8270C

Prep Batch: 259220 | Analytical Batch.: 259349

Spike HSN : 106365

COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC	REC FLAG	QC. LIMITS
1,4-Dichlorobenzene	mg/L	.5	0	.452	90		44 - 143
2,4,5-Trichlorophenol	mg/L	.5	0	.496	99		45 - 135
2,4,6-Trichlorophenol	mg/L	.5	0	.495	99		45 - 135
2,4-Dinitrotoluene	mg/L	.5	0	.508	102		61 - 148
Hexachlorobenzene	mg/L	.5	0	.464	93		60 - 120
Hexachlorobutadiene	mg/L	.5	0	.469	94		38 - 94
Hexachloroethane	mg/L	.5	0	.434	87		45 - 135
Nitrobenzene	mg/L	.5	0	.451	90		60 - 120
Pentachlorophenol	mg/L	.5	0	.443	89		37 - 125
Pyridine	mg/L	.5	0	.474	95		30 - 150
m,p-Cresol	mg/L	.5	0	.428	86		30 - 150
o-Cresol	mg/L	.5	0	.444	89		30 - 150

Spike Dupe HSN : 106366

COMPOUND	UNITS	SPIKE ADDED	MSD CONC.	MSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
1,4-Dichlorobenzene	mg/L	.5	.422	84		7		44 - 143	0 - 30
2,4,5-Trichlorophenol	mg/L	.5	.476	95		4		45 - 135	0 - 50
2,4,6-Trichlorophenol	mg/L	.5	.46	92		7		45 - 135	0 - 50
2,4-Dinitrotoluene	mg/L	.5	.527	105		4		61 - 148	0 - 33
Hexachlorobenzene	mg/L	.5	.427	85		8		60 - 120	0 - 50
Hexachlorobutadiene	mg/L	.5	.447	89		5		38 - 94	0 - 50
Hexachloroethane	mg/L	.5	.402	80		8		45 - 135	0 - 50
Nitrobenzene	mg/L	.5	.418	84		8		60 - 120	0 - 50
Pentachlorophenol	mg/L	.5	.434	87		2		37 - 125	0 - 32
Pyridine	mg/L	.5	.444	89		7		30 - 150	0 - 50
m,p-Cresol	mg/L	.5	.397	79		8		30 - 150	0 - 50
o-Cresol	mg/L	.5	.396	79		11		30 - 150	0 - 50

RPD : 0 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

3E

WATER ORGANICS MS/MSD RECOVERY

Lab Name: GCAL

Sample ID: PEST-0003-0001

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203062602

Contract:

Method: 1311/8081A

SAMPLE NO : 106567

COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC	MS % REC FLAG	QC. LIMITS
Endrin	mg/L	.005	0	.00513	103		53 - 168
Heptachlor	mg/L	.005	0	.00451	90		51 - 152
Heptachlor epoxide	mg/L	.005	0	.00506	101		56 - 147
Methoxychlor	mg/L	.005	0	.00557	111		29 - 179
gamma-BHC (Lindane)	mg/L	.005	0	.00505	101		37 - 143

SAMPLE NO : 106568

COMPOUND	UNITS	SPIKE ADDED	MSD CONC.	MSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
Endrin	mg/L	.005	.00502	100		2		53 - 168	0 - 40
Heptachlor	mg/L	.005	.00458	92		2		51 - 152	0 - 40
Heptachlor epoxide	mg/L	.005	.00498	100		2		56 - 147	0 - 40
Methoxychlor	mg/L	.005	.00495	99		12		29 - 179	0 - 40
gamma-BHC (Lindane)	mg/L	.005	.00497	99		2		37 - 143	0 - 40

RPD : 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

QUALITY CONTROL SUMMARY

[redacted] ORIGINAL LAB ID: [illegible] PREP BATCH: 259179
MATRIX: Water ANALYTICAL BATCH: 259208

9012A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
57-12-5R	Reactivity Cyanide	250 mg/L	49.2	20	1 - 20

DUPLICATE SAMPLE ID: 106193 ORIGINAL LAB ID: 203062602[illegible] PREP BATCH: 259179
MATRIX: Water ANALYTICAL BATCH: 259208

9012A

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
57-12-5R	Reactivity Cyanide	0	0	0	0 - 25

[redacted] ORIGINAL LAB ID: [illegible] PREP BATCH: [illegible]
MATRIX: Water ANALYTICAL BATCH: 259210

EPA 5310 B (TOC)

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
C-012	Total Organic Carbon	50 mg/L	52.3	105	80 - 120

DUPLICATE SAMPLE ID: 106215 ORIGINAL LAB ID: 203062435[illegible] PREP BATCH: [illegible]
MATRIX: Water ANALYTICAL BATCH: 259210

EPA 5310 B (TOC)

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
C-012	Total Organic Carbon	0	0	0	0 - 25

[redacted] ORIGINAL LAB ID: 203062435[illegible] PREP BATCH: [illegible]
MATRIX: Water ANALYTICAL BATCH: 259210

EPA 5310 B (TOC)

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
C-012	Total Organic Carbon	0	50 mg/L	51.3	103	75 - 125

DUPLICATE SAMPLE ID: 106181 ORIGINAL LAB ID: 203062602[illegible] PREP BATCH: [illegible]
MATRIX: Water ANALYTICAL BATCH: 259210

EPA 5310 B (TOC)

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
C-012	Total Organic Carbon	0	2	200 *	0 - 25

[redacted] ORIGINAL LAB ID: 203062602[illegible] PREP BATCH: [illegible]
MATRIX: Water ANALYTICAL BATCH: 259210

EPA 5310 B (TOC)

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
C-012	Total Organic Carbon	0	50 mg/L	50.2	100	75 - 125

QUALITY CONTROL SUMMARY

DUPLICATE SAMPLE ID: 106351 ORIGINAL LAB ID: 20306250208 PREP BATCH: [illegible]
MATRIX: Water ANALYTICAL BATCH: 259212

4500 H+B

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
pH	pH	7.29	7.32	0.4	0 - 6

[redacted] ORIGINAL LAB ID: [illegible] PREP BATCH: 259180
MATRIX: Water ANALYTICAL BATCH: 259254

9034

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
18496-25-8R	Reactivity Sulfide	1000 mg/L	577	57.7	26 - 114

DUPLICATE SAMPLE ID: 106205 ORIGINAL LAB ID: 20306260201 PREP BATCH: 259180
MATRIX: Water ANALYTICAL BATCH: 259254

9034

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
18496-25-8R	Reactivity Sulfide	0	0	0	0 - 25

[redacted] ORIGINAL LAB ID: [illegible] PREP BATCH: [illegible]
MATRIX: Water ANALYTICAL BATCH: 259634

9020B

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
59473-04-0	Total Organic Halides	53.9 ug/L	53.1	98.6	89.5 - 111

DUPLICATE SAMPLE ID: 107683 ORIGINAL LAB ID: 20306250401 PREP BATCH: [illegible]
MATRIX: Water ANALYTICAL BATCH: 259634

9020B

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
59473-04-0	Total Organic Halides	86.5	74.1	15.4	0 - 25

[redacted] ORIGINAL LAB ID: 20306250401 PREP BATCH: [illegible]
MATRIX: Water ANALYTICAL BATCH: 259634

9020B

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
59473-04-0	Total Organic Halides	86.5	200 ug/L	263	88.2	75 - 125

DUPLICATES

Lab Name: GCAL

Sample ID: IGNT-0003-0001DUP

Lab Code: LA024

Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.:

SDG No.: 203062602

% Solids for Sample:

Level: (low / med)

% Solids for Duplicate:

Lab Sample ID: 106438

Analyte	LL	UL	Sample	C	Duplicate	C	RPD	Q	Units	Method	Type
Arsenic	0	20	0	U	0	U	0		mg/L	SW-846 1311/6010B	P
Barium	0	20	0.13	B	0.12	B	8		mg/L	SW-846 1311/6010B	P
Cadmium	0	20	0	U	0	U	0		mg/L	SW-846 1311/6010B	P
Chromium	0	20	0.024	B	0.024	B	0		mg/L	SW-846 1311/6010B	P
Lead	0	20	0	U	0	U	0		mg/L	SW-846 1311/6010B	P
Selenium	0	20	0.0089	B	0	U	200	*	mg/L	SW-846 1311/6010B	P
Silver	0	20	0	U	0	U	0		mg/L	SW-846 1311/6010B	P

DUPLICATES

Lab Name: GCAL

Sample ID: IGNT-0003-0001DUP

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203062602

% Solids for Sample:

Level: (low / med)

% Solids for Duplicate:

Lab Sample ID: 106443

Analyte	LL	UL	Sample	C	Duplicate	C	RPD	Q	Units	Method	Type
Mercury	0	20	0.00016	B	0.00013	B	21	*	mg/L	SW-846 1311/7470A	AV

FORM VI - IN

GCAL

GULF COAST ANALYTICAL LABORATORIES, INC

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date: 07/18/2003

GCAL REPORT NO: 203062604

Deliver To:	URS Corporation 12120 Shamrock Plaza Suite 300 Omaha, NE 68154
Attn:	Craig Johnson

PROJECT NAME: Cannon AFB HWSF Closure

Quantity of Samples: 6

Laboratory Contact: Julie Borne

000001

7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402 • Phone 225.769.4900 • Fax 225.767.5717

GULF COAST ANALYTICAL LABORATORIES, INC

LABORATORY ENDORSEMENT

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 Days unless otherwise arranged. Following this retention period the samples will be disposed of in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND-Indicates that the parameter was not detected at the specified detection limit
DO-Indicates that the result was diluted out
MI-Indicates that the result was subject to Matrix Interference
TNTC-Indicates that the result was Too Numerous to Count
SUBC-Indicates that the analysis was subcontracted
FLD-Indicates that the parameter was performed in the field
PQL-Practical Quantitation Limit
MDL-Method Detection Limit
RDL-Reporting Detection Limit for Quality Control Samples

Reporting Flags Utilized in this Report

J-Indicates that the result was detected between the PQL and MDL
U-Indicates that the result was not detected at the referenced detection limit
B-Organics Indicates that the compound was detected in the associated Method Blank
B-Inorganics Indicates that the compound was detected between the PQL and MDL
R-Indicates that the compound was Rejected and is reported from another analytical ru

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with ISO Guide 25 and NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This Report pertains only to the samples listed in the Sample Cross-Reference and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the Client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the condition detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

SCOTT A. BAILEY
OPERATIONS MANAGER
GCAL REPORT NO.: 203062604

CASE NARRATIVE

Client: URS Corporation/Omaha, NE **Report:** 203062604

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In analytical batch 259279, no MS/MSD was performed due to insufficient sample volume. The LCS/LCSD is included for review.

SEMI-VOLATILES MASS SPECTROMETRY

The recovery for the surrogate, Phenol-d5 was above the upper control in all samples including QC. The recovery for the surrogate, 2-Fluorophenol was above the upper control limit for the LCS (106364). All other surrogate recoveries were acceptable for this batch.

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the Pesticides analysis of sample 20306260406 (RECV-0001-0003), the recovery for the surrogate, Decachlorobiphenyl was above the upper control limit, however there were no target analytes present in the sample.

METALS

The Sample/Duplicate RPD for Mercury for prep batch 259238 is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit.

The Sample/Duplicate RPD for Selenium for prep batch 259237 is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit.

CONVENTIONALS

The Sample/Duplicate RPD for Total Organic Carbon for analytical batch 259211 is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit.

PRESERVATION CHECKLIST / COOLER RECEIPT

Gulf Coast Analytical Laboratories, Inc.

WO:	203062604	**Type:**	D
Desc:		**Report:**	REVIEW_RPT
Work ID:	Cannon AFB HWSF Closure	**Status:**	WP
Project Seq:	13513	**Created:**	6/26/03 9:32
Client:	4442 - URS Corporation/Omaha, NE	**QA:**	
Profile:	56410 - CANNON - Cannon AFB HWSF Closure	**PO:**	Sub No. 75833

WORKORDER SAMPLES

Container ID	Type	Preservative	pH PRESERVATIVE A	pH PRESERVATIVE U	pH PRESERVATIVE N\A	VOA HEADSPACE A	VOA HEADSPACE U	VOA HEADSPACE N\A	CONTAINER CONDITION
20306260401-1	40	HCL+SS	✓			✓			OK
20306260401-2	LA	NONE			X			X	OK
20306260401-3	LA	NONE			X			X	OK
20306260401-4	LA	NONE			X			X	OK
20306260401-5	LC	NONE			X			X	OK
20306260401-6	4	HCL	✓					X	OK
20306260401-7	LA	Na2S2O3	✓					X	OK

Container ID	Type	Preservative	A	U	N\A	A	U	N\A	CONTAINER CONDITION
20306260402-1	40	HCL+SS	✓			✓			OK
20306260402-2	LA	NONE			X			X	OK
20306260402-3	LA	NONE			X			X	OK
20306260402-4	LA	NONE			X			X	OK
20306260402-5	LC	NONE			X			X	OK
20306260402-6	4	HCL	✓					X	OK
20306260402-7	LA	Na2S2O3	✓					X	OK

Container ID	Type	Preservative	A	U	N\A	A	U	N\A	CONTAINER CONDITION
20306260403-1	40	HCL+SS	✓			✓			OK
20306260403-2	LA	NONE			X			X	OK
20306260403-3	LA	NONE			X			X	OK
20306260403-4	LA	NONE			X			X	OK
20306260403-5	LC	NONE			X			X	OK
20306260403-6	4	HCL	✓					X	OK
20306260403-7	LA	Na2S2O3	✓					X	OK

Container ID	Type	Preservative	pH PRESERVATIVE A	pH PRESERVATIVE U	pH PRESERVATIVE N\A	VOA HEADSPACE A	VOA HEADSPACE U	VOA HEADSPACE N\A	CONTAINER CONDITION
20306260404-1	40	HCL+SS	/			/			OK
20306260404-2	LA	NONE			X			X	OK
20306260404-3	LA	NONE			X			X	OK
20306260404-4	LA	NONE			X			X	OK
20306260404-5	LC	NONE			X			X	OK
20306260404-6	4	HCL	/					X	OK
20306260404-7	LA	Na2S2O3	/					X	OK

Container ID	Type	Preservative	A	U	N\A	A	U	N\A	CONTAINER CONDITION
20306260405-1	40	HCL+SS	/			/			OK
20306260405-2	LA	NONE			X			X	OK
20306260405-3	LA	NONE			X			X	OK
20306260405-4	LA	NONE			X			X	OK
20306260405-5	LC	NONE			X			X	OK
20306260405-6	4	HCL	/					X	OK
20306260405-7	LA	Na2S2O3	/					X	OK

Container ID	Type	Preservative	A	U	N\A	A	U	N\A	CONTAINER CONDITION
20306260406-1	40	HCL+SS	/			/			OK
20306260406-2	LA	NONE			X			X	OK
20306260406-3	LA	NONE			X			X	OK
20306260406-4	LA	NONE			X			X	OK
20306260406-5	LC	NONE			X			X	OK
20306260406-6	4	HCL	/					X	OK
20306260406-7	LA	Na2S2O3	/					X	OK

A = ACCEPTABLE
U = UNACCEPTABLE
N\A = NOT APPLICABLE

COOLER (S) TEMPERATURE (A) U LIMIT = 4C + \- 2C

MAXIMUM VOLATILE HEADSPACE BUBBLE 6MM

Custody Seal
used [✓] Yes [ ] No
in tact [✓] Yes [ ] No

CUSTODIAN _____

No Container problems

URS Corporation
12120 Shamrock Plaza, Suite 300, Omaha, NE 68154 (402) 334-8181 Fax (402) 334-1984

CHAIN OF CUSTODY RECORD

Project Name: Cannon AFB HWSF Closure
Project No.: 16169329.07000
Project Location: Clovis, NM
Project Manager: S. Cox
Sampler(s): J. Smith

Sample Date	Sample Time	Type Comp.	Type Grab	Sample Identification	Matrix	Containers No.	Containers Type	RCI + pH	TCLP VOC	TCLP SVOC	TCLP Metals (ICP/AA/Hg)	TCLP Pesticides	TOC	TOX				Remarks
6/25/03	0730		X	REAC-0003-0002	WATER	1	32 oz	X										Check pH first
						3	40 ml		X									
						1	950 ml			X								
						1	950 ml				X							
						1	950 ml					X						
						1	4 oz						X					
						1	950 ml							X				
6/25/03	0800		X	RECV-0001-0002	WATER	1	32 oz	X										Check pH first
						3	40 ml		X									
						1	950 ml			X								
						1	950 ml							X				
						1	4 oz						X					

Signatures	Date	Time	Shipping Details	Special Instructions
Relinquished by: G. [illegible]	6/25/03	1330	Method of Shipment: FEDEX	
Received by:			Airbill No.: 834110318644	
Relinquished by: Fedex			Lab Address: GCAL, 7979 GSRI Ave, Baton Rouge, LA 70820	
Received for Laboratory by: Judi Smith	6/26/03	0855		3°

900000

Custody.frm/jdg 3-09-92

White copy - Laboratory Yellow copy - Laboratory Pink copy - WCC

118210

URS Corporation
12120 Shamrock P[illegible] 300, Omaha, NE 68154 (402) 334-8181 Fax (402) 334-1984

CHAIN OF C[illegible]ODY RECORD

Project Name: Cannon AFB HWSF Closure
Project No.: 16169329.07000
Project Location: Clovis, NM
Project Manager: S. Cox
Sampler(s): J. Smith

Sample Date	Sample Time	Type Comp.	Type Grab	Sample Identification	Matrix	Containers No.	Containers Type	RCI + pH	TCLP VOC	TCLP SVOC	TCLP Metals (RCRA+Hg)	TCLP Pesticides	TOC	TOX					Remarks
6/25/03	0800		X	RECV-0001-0002	WATER	1	950 ml				X								
↓	↓		↓	↓ ↓	↓	1	950 ml					X							
6/25/03	1000		X	IGNT-0003-0003	WATER	1	32 oz												Check pH first
↓	↓		↓	↓ ↓	↓	3	40 ml												
						1	950 ml												
						1	950 ml												
						1	950 ml												
						1	4 oz												
↓	↓		↓	↓ ↓	↓	1	950 ml												
6/25/03	1030		X	PEST-0003-0003	WATER	1	32 oz												Check pH first

Signatures	Date	Time	Shipping Details	Special Instructions
Relinquished by: Jeff G. [illegible]	6/25/03	1330	Method of Shipment: FEDEX	
Received by:			Airbill No.: 834110318644	
Relinquished by: Fedex			Lab Address: GCAL, 7979 GSRI Ave, Baton Rouge, LA 70820	
Received for Laboratory by: Judi Smith	6/26/03	0855		3°

Custody.frm/jdg 3-09-92

White copy - Laboratory Yellow copy - Laboratory Pink copy - WCC

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118211

ANALYTICAL LABORATORIES INC.
7979 GSRI Avenue
Baton Rouge, LA
70820-7402
(225) 769-4900 • Fax (225) 767-5717

Lab use only

Client Name	Client #	Workorder #	Due Date
		203062604	7-03

Report to:
Client: URS Corp.
Address: 12120 Shamrock Plaza, Suite 300
Omaha, NE 68154
Contact:
Phone: 402.334.8181
Fax: 402.334.1984

Bill to:
Client:
Address:
Contact:
Phone:
Fax:

P.O. Number:
Project Name/Number: Cannon AFB HUSF Closure / 16169329.07000
Sampled By: J. Smith

Analytical Requests & Method

Lab use only:
Custody Seal
used ☑ yes ☐ no
in tact ☑ yes ☐ no
Temperature °C 3

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	RCI + pH	TCLP VOC	TCLP SVOC	TCLP Metals (RCRA + Hg)	TCLP Pesticides	TOC	TOX					Remarks:	Lab ID
W	6/25/03	1030		X	PEST-0003-0003		3		X											6/26
↓	↓	↓		↓	↓		1			X										
							1				X									-04
							1					X								
						HCl	1						X							
						H_2SO_4	1							X						
W	6/25/03	1100		X	REAC-0003-0003	HCl	1						X							
↓	↓	↓		↓	↓	H_2SO_4	1							X						
							1			X										
↓	↓	↓		↓	↓		1	X											Check pH first	-05

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☐ Standard ☐ Other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]		6/25/03	1530
Relinquished by: (Signature) Fedex 834110318644	Received by: (Signature) [signature]	Date: 6/26/03	Time: 0855
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note:

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = soil, SD = solid, L = liquid, SL = sludge, o = oil, CT = charcoal tube, A = air bag

We cannot accept verbal changes. Please fax written changes to (225) 767-5717

WHITE: CLIENT FINAL REPORT — CANARY: LABORATORY — PINK: CLIENT

GCAL-06 11/98

800000

7979 GSRI Avenue
Baton Rouge, LA
70820-7402
(225) 769-4900 • Fax (225) 767-5717

Lab use only

Client Name	Client #	Workorder #	Due Date
		203062604	1-7-03

Report to:
Client: URS Corp
Address: 12120 Shamrock Plaza, Suite 300
Omaha, NE 68154
Contact:
Phone: 402. 334. 8181
Fax: 402. 334. 1984

Bill to:
Client:
Address:
Contact:
Phone:
Fax:

P.O. Number
Project Name/Number: Cannon AFB HWSF Closure / 16169329.07000
Sampled By: J. Smith

Analytical Requests & Method

Lab use only:
Custody Seal used ☑ yes ☐ no
in tact ☑ yes ☐ no
Temperature °C 3

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	RCI + pH	TCLP VOC	TCLP SVOC	TCLP Metals (RCRA + Hg)	TCLP Pesticides	TOC	TOX	Remarks:	Lab ID
W	6/25/03	1100		X	REAC-0003-0003		3		X							6/26
↓	↓	↓		↓	↓		1					X				
							1				X					
W	6/25/03	1115		X	RECV-0001-0003		1	X							Check pH first	
↓	↓	↓		↓	↓		3		X							
							1			X						
							1				X					
							1					X				-06
						HCl	1						X			
						H_2SO_4	1							X		

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☐ Standard ☐ Other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]		6/25/03	1330
Relinquished by: (Signature) Fedex 834110318644	Received by: (Signature) [signature]	6/26/03	0855
Relinquished by: (Signature)	Received by: (Signature)		

Note:

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = soil, SD = solid, L = liquid, SL = sludge, o = oil, CT = charcoal tube, A = air bag

We cannot accept verbal changes. Please fax written changes to (225) 767-5717

WHITE: CLIENT FINAL REPORT — CANARY: LABORATORY — PINK: CLIENT

GCAL-06 11/98

600009

SAMPLE CROSS-REFERENCE

GCAL ID	CLIENT ID	MATRIX	SAMPLE DATE/TIME	RECEIVE DATE/TIME
20306260401	REAC-0003-0002	Water	06/25/2003 07:30	06/26/2003 08:55
20306260402	RECV-0001-0002	Water	06/25/2003 08:00	06/26/2003 08:55
20306260403	IGNT-0003-0003	Water	06/25/2003 10:00	06/26/2003 08:55
20306260404	PEST-0003-0003	Water	06/25/2003 10:30	06/26/2003 08:55
20306260405	REAC-0003-0003	Water	06/25/2003 11:00	06/26/2003 08:55
20306260406	RECV-0001-0003	Water	06/25/2003 11:15	06/26/2003 08:55

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260401	REAC-0003-0002	Water	06/25/2003 07:30	06/26/2003 08:55	

1010 Flashpoint

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	07/01/2003 11:00	MDT	259399

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
000000-01-3	FlashPoint	>212	50	50	Deg F

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260402	RECV-0001-0002	Water	06/25/2003 08:00	06/26/2003 08:55	

1010 Flashpoint

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	07/01/2003 11:00	MDT	259399

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
000000-01-3	FlashPoint	>212	50	50	Deg F

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260403	IGNT-0003-0003	Water	06/25/2003 10:00	06/26/2003 08:55	

1010 Flashpoint

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	07/07/2003 10:30	HLO	259611

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
000000-01-3	FlashPoint	>212	50	50	Deg F

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260404	PEST-0003-0003	Water	06/25/2003 10:30	06/26/2003 08:55	

1010 Flashpoint

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	07/07/2003 10:30	HLO	259611

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
000000-01-3	FlashPoint	>212	50	50	Deg F

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260405	REAC-0003-0003	Water	06/25/2003 11:00	06/26/2003 08:55	

1010 Flashpoint

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	07/07/2003 10:30	HLO	259611

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
000000-01-3	FlashPoint	>212	50	50	Deg F

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260406	RECV-0001-0003	Water	06/25/2003 11:15	06/26/2003 08:55	

1010 Flashpoint

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	07/07/2003 10:30	HLO	259611

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
000000-01-3	FlashPoint	>212	50	50	Deg F

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260401	REAC-0003-0002	Water	06/25/2003 07:30	06/26/2003 08:55	

4500 H+B Water - pH

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/26/2003 10:30	OLT	259212

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
pH	pH	7.73	1.00	1.00	pH unit

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260402	RECV-0001-0002	Water	06/25/2003 08:00	06/26/2003 08:55	

4500 H+B Water - pH

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/26/2003 10:30	OLT	259212

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
pH	pH	7.63	1.00	1.00	pH unit

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260403	IGNT-0003-0003	Water	06/25/2003 10:00	06/26/2003 08:55	

4500 H+B Water - pH

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/26/2003 10:30	OLT	259212

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
pH	pH	7.97	1.00	1.00	pH unit

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260404	PEST-0003-0003	Water	06/25/2003 10:30	06/26/2003 08:55	

4500 H+B Water - pH

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/26/2003 10:30	OLT	259212

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
pH	pH	7.80	1.00	1.00	pH unit

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260405	REAC-0003-0003	Water	06/25/2003 11:00	06/26/2003 08:55	

4500 H+B Water - pH

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/26/2003 10:30	OLT	259212

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
pH	pH	7.79	1.00	1.00	pH unit

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260406	RECV-0001-0003	Water	06/25/2003 11:15	06/26/2003 08:55	

4500 H+B Water - pH

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/26/2003 10:30	OLT	259212

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
pH	pH	7.88	1.00	1.00	pH unit

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260401	REAC-0003-0002	Water	06/25/2003 07:30	06/26/2003 08:55	

9012A Reactivity Cyanide

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/26/2003 13:00	259179	7.3.3.2	1	06/26/2003 15:36	BMC	259203

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
57-12-5R	Reactivity Cyanide	ND	250	250	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260402	RECV-0001-0002	Water	06/25/2003 08:00	06/26/2003 08:55	

9012A Reactivity Cyanide

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/26/2003 13:00	259179	7.3.3.2	1	06/26/2003 15:36	BMC	259203

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
57-12-5R	Reactivity Cyanide	ND	250	250	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260403	IGNT-0003-0003	Water	06/25/2003 10:00	06/26/2003 08:55	

9012A Reactivity Cyanide

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/26/2003 13:00	259179	7.3.3.2	1	06/26/2003 15:36	BMC	259203

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
57-12-5R	Reactivity Cyanide	ND	250	250	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260404	PEST-0003-0003	Water	06/25/2003 10:30	06/26/2003 08:55	

9012A Reactivity Cyanide

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/26/2003 13:00	259179	7.3.3.2	1	06/26/2003 15:36	BMC	259203

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
57-12-5R	Reactivity Cyanide	ND	250	250	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260405	REAC-0003-0003	Water	06/25/2003 11:00	06/26/2003 08:55	

9012A Reactivity Cyanide

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/26/2003 13:00	259179	7.3.3.2	1	06/26/2003 15:36	BMC	259203

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
57-12-5R	Reactivity Cyanide	ND	250	250	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260406	RECV-0001-0003	Water	06/25/2003 11:15	06/26/2003 08:55	

9012A Reactivity Cyanide

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/26/2003 13:00	259179	7.3.3.2	1	06/26/2003 15:36	BMC	259203

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
57-12-5R	Reactivity Cyanide	ND	250	250	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260401	REAC-0003-0002	Water	06/25/2003 07:30	06/26/2003 08:55	

Reactivity Sulfide - 9034

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/26/2003 13:00	259180	7.3.4.2	1	06/27/2003 09:52	MDT	259254

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
18496-25-8R	Reactivity Sulfide	ND	80	80	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260402	RECV-0001-0002	Water	06/25/2003 08:00	06/26/2003 08:55	

Reactivity Sulfide - 9034

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/26/2003 13:00	259180	7.3.4.2	1	06/27/2003 09:52	MDT	259254

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
18496-25-8R	Reactivity Sulfide	ND	80	80	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260403	IGNT-0003-0003	Water	06/25/2003 10:00	06/26/2003 08:55	

Reactivity Sulfide - 9034

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/26/2003 13:00	259180	7.3.4.2	1	06/27/2003 09:52	MDT	259254

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
18496-25-8R	Reactivity Sulfide	ND	80	80	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260404	PEST-0003-0003	Water	06/25/2003 10:30	06/26/2003 08:55	

Reactivity Sulfide - 9034

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/26/2003 13:00	259180	7.3.4.2	1	06/27/2003 09:52	MDT	259254

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
18496-25-8R	Reactivity Sulfide	ND	80	80	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260405	REAC-0003-0003	Water	06/25/2003 11:00	06/26/2003 08:55	

Reactivity Sulfide - 9034

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/26/2003 13:00	259180	7.3.4.2	1	06/27/2003 09:52	MDT	259254

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
18496-25-8R	Reactivity Sulfide	ND	80	80	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260406	RECV-0001-0003	Water	06/25/2003 11:15	06/26/2003 08:55	

Reactivity Sulfide - 9034

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/26/2003 13:00	259180	7.3.4.2	1	06/27/2003 09:52	MDT	259254

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
18496-25-8R	Reactivity Sulfide	ND	80	80	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260401	REAC-0003-0002	Water	06/25/2003 07:30	06/26/2003 08:55	

EPA 5310B TOC

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/27/2003 01:54	BMC	259211

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
C-012	Total Organic Carbon	2.9	1.0	0.4	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260402	RECV-0001-0002	Water	06/25/2003 08:00	06/26/2003 08:55	

EPA 5310B TOC

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/27/2003 02:11	BMC	259211

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
C-012	Total Organic Carbon	3.4	1.0	0.4	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260403	IGNT-0003-0003	Water	06/25/2003 10:00	06/26/2003 08:55	

EPA 5310B TOC

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/27/200302:30	BMC	259211

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
C-012	Total Organic Carbon	2.6	1.0	0.4	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260404	PEST-0003-0003	Water	06/25/2003 10:30	06/26/2003 08:55	

EPA 5310B TOC

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/27/2003 09:42	BMC	259211

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
C-012	Total Organic Carbon	ND	1.0	0.4	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260405	REAC-0003-0003	Water	06/25/2003 11:00	06/26/2003 08:55	

EPA 5310B TOC

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/27/2003 03:34	BMC	259211

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
C-012	Total Organic Carbon	1.3	1.0	0.4	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260406	RECV-0001-0003	Water	06/25/2003 11:15	06/26/2003 08:55	

EPA 5310B TOC

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/27/2003 03:54	BMC	259211

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
C-012	Total Organic Carbon	3.5	1.0	0.4	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260401	REAC-0003-0002	Water	06/25/2003 07:30	06/26/2003 08:55	

9020B Total Organic Halides

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	07/02/2003 08:30	JAR	259634

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
59473-04-0	Total Organic Halides	86.5	40.0	5.1	ug/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260402	RECV-0001-0002	Water	06/25/2003 08:00	06/26/2003 08:55	

9020B Total Organic Halides

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	07/03/2003 10:21	JAR	259634

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
59473-04-0	Total Organic Halides	31.7	10.0	1.3	ug/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260403	IGNT-0003-0003	Water	06/25/2003 10:00	06/26/2003 08:55	

9020B Total Organic Halides

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	07/02/2003 08:30	JAR	259634

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
59473-04-0	Total Organic Halides	67.7	40.0	5.1	ug/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260404	PEST-0003-0003	Water	06/25/2003 10:30	06/26/2003 08:55	

9020B Total Organic Halides

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	07/03/2003 10:21	JAR	259634

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
59473-04-0	Total Organic Halides	30.1	10.0	1.3	ug/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260405	REAC-0003-0003	Water	06/25/2003 11:00	06/26/2003 08:55	

9020B Total Organic Halides

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	07/03/2003 10:21	JAR	259634

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
59473-04-0	Total Organic Halides	28.7	10.0	1.3	ug/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20306260406	RECV-0001-0003	Water	06/25/2003 11:15	06/26/2003 08:55	

9020B Total Organic Halides

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	07/03/2003 10:21	JAR	259634

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
59473-04-0	Total Organic Halides	35.4	10.0	1.3	ug/L

RESULTS REPORTED ON A WET WEIGHT BASIS

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL

Sample ID: REAC-0003-0002

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203062604

Level: (low / med) % Solids:

Lab Sample ID: 20306260401

Date Received: 06/26/03 Time: 0855

Date Collected: 06/25/03 Time: 0730

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Arsenic	0.20	mg/L	U	0.0035	0.20	SW-846 1311/6010B	P
Barium	0.12	mg/L	B	0.00060	1.00	SW-846 1311/6010B	P
Cadmium	0.010	mg/L	U	0.00020	0.010	SW-846 1311/6010B	P
Chromium	0.0080	mg/L	B	0.00050	0.050	SW-846 1311/6010B	P
Lead	0.10	mg/L	U	0.0024	0.10	SW-846 1311/6010B	P
Mercury	0.00025	mg/L		0.00008	0.00020	SW-846 1311/7470A	AV
Selenium	0.10	mg/L	U	0.0043	0.10	SW-846 1311/6010B	P
Silver	0.00076	mg/L	B	0.00040	0.050	SW-846 1311/6010B	P

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: RECV-0001-0002
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Water
SAS No.:
SDG No.: 203062604
Level: (low / med)
% Solids:
Lab Sample ID: 20306260402
Date Received: 06/26/03
Time: 0855
Date Collected: 06/25/03
Time: 0800

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Arsenic	0.20	mg/L	U	0.0035	0.20	SW-846 1311/6010B	P
Barium	0.067	mg/L	B	0.00060	1.00	SW-846 1311/6010B	P
Cadmium	0.010	mg/L	U	0.00020	0.010	SW-846 1311/6010B	P
Chromium	0.0052	mg/L	B	0.00050	0.050	SW-846 1311/6010B	P
Lead	0.10	mg/L	U	0.0024	0.10	SW-846 1311/6010B	P
Mercury	0.00030	mg/L		0.00008	0.00020	SW-846 1311/7470A	AV
Selenium	0.10	mg/L	U	0.0043	0.10	SW-846 1311/6010B	P
Silver	0.050	mg/L	U	0.00040	0.050	SW-846 1311/6010B	P

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: IGNT-0003-0003
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Water
SAS No.:
SDG No.: 203062604
Level: (low / med)
% Solids:
Lab Sample ID: 20306260403
Date Received: 06/26/03
Time: 0855
Date Collected: 06/25/03
Time: 1000

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Arsenic	0.20	mg/L	U	0.0035	0.20	SW-846 1311/6010B	P
Barium	0.11	mg/L	B	0.00060	1.00	SW-846 1311/6010B	P
Cadmium	0.010	mg/L	U	0.00020	0.010	SW-846 1311/6010B	P
Chromium	0.013	mg/L	B	0.00050	0.050	SW-846 1311/6010B	P
Lead	0.10	mg/L	U	0.0024	0.10	SW-846 1311/6010B	P
Mercury	0.00033	mg/L		0.00008	0.00020	SW-846 1311/7470A	AV
Selenium	0.0065	mg/L	B	0.0043	0.10	SW-846 1311/6010B	P
Silver	0.00068	mg/L	B	0.00040	0.050	SW-846 1311/6010B	P

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: PEST-0003-0003
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Water
SAS No.:
SDG No.: 203062604
Level: (low / med)
% Solids:
Lab Sample ID: 20306260404
Date Received: 06/26/03
Time: 0855
Date Collected: 06/25/03
Time: 1030

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Arsenic	0.20	mg/L	U	0.0035	0.20	SW-846 1311/6010B	P
Barium	0.067	mg/L	B	0.00060	1.00	SW-846 1311/6010B	P
Cadmium	0.010	mg/L	U	0.00020	0.010	SW-846 1311/6010B	P
Chromium	0.0078	mg/L	B	0.00050	0.050	SW-846 1311/6010B	P
Lead	0.10	mg/L	U	0.0024	0.10	SW-846 1311/6010B	P
Mercury	0.00034	mg/L		0.00008	0.00020	SW-846 1311/7470A	AV
Selenium	0.10	mg/L	U	0.0043	0.10	SW-846 1311/6010B	P
Silver	0.00043	mg/L	B	0.00040	0.050	SW-846 1311/6010B	P

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: REAC-0003-0003
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Water
SAS No.:
SDG No.: 203062604
Level: (low / med)
% Solids:
Lab Sample ID: 20306260405
Date Received: 06/26/03
Time: 0855
Date Collected: 06/25/03
Time: 1100

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Arsenic	0.20	mg/L	U	0.0035	0.20	SW-846 1311/6010B	P
Barium	0.12	mg/L	B	0.00060	1.00	SW-846 1311/6010B	P
Cadmium	0.010	mg/L	U	0.00020	0.010	SW-846 1311/6010B	P
Chromium	0.0067	mg/L	B	0.00050	0.050	SW-846 1311/6010B	P
Lead	0.10	mg/L	U	0.0024	0.10	SW-846 1311/6010B	P
Mercury	0.00035	mg/L		0.00008	0.00020	SW-846 1311/7470A	AV
Selenium	0.10	mg/L	U	0.0043	0.10	SW-846 1311/6010B	P
Silver	0.050	mg/L	U	0.00040	0.050	SW-846 1311/6010B	P

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: RECV-0001-0003
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Water
SAS No.:
SDG No.: 203062604
Level: (low / med)
% Solids:
Lab Sample ID: 20306260406
Date Received: 06/26/03
Time: 0855
Date Collected: 06/25/03
Time: 1115

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Arsenic	0.20	mg/L	U	0.0035	0.20	SW-846 1311/6010B	P
Barium	0.11	mg/L	B	0.00060	1.00	SW-846 1311/6010B	P
Cadmium	0.010	mg/L	U	0.00020	0.010	SW-846 1311/6010B	P
Chromium	0.0060	mg/L	B	0.00050	0.050	SW-846 1311/6010B	P
Lead	0.10	mg/L	U	0.0024	0.10	SW-846 1311/6010B	P
Mercury	0.00027	mg/L		0.00008	0.00020	SW-846 1311/7470A	AV
Selenium	0.10	mg/L	U	0.0043	0.10	SW-846 1311/6010B	P
Silver	0.050	mg/L	U	0.00040	0.050	SW-846 1311/6010B	P

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

REAC-0003-0002

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203062604

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Level: (low/med) LOW

% Moisture: not dec.

GC Column: DB-624-30M ID: .53 (mm)

Instrument ID: MSV0

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20306260401

Lab File ID: 2030628/S4465

Date Collected: 06/25/03 Time: 0730

Date Received: 06/26/03

Date Analyzed: 06/28/03 Time: 1539

Dilution Factor: 1 Analyst: HJL

Prep Batch: Analytical Batch: 259279

Analytical Method: 1311/8260B

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-35-4	1,1-Dichloroethene	0.005	U	0.00047	0.005
107-06-2	1,2-Dichloroethane	0.005	U	0.00043	0.005
78-93-3	2-Butanone	0.025	U	0.00055	0.025
71-43-2	Benzene	0.005	U	0.00042	0.005
56-23-5	Carbon tetrachloride	0.005	U	0.00035	0.005
108-90-7	Chlorobenzene	0.005	U	0.00046	0.005
67-66-3	Chloroform	0.005	U	0.00046	0.005
127-18-4	Tetrachloroethene	0.005	U	0.00041	0.005
79-01-6	Trichloroethene	0.005	U	0.00042	0.005
75-01-4	Vinyl chloride	0.005	U	0.00051	0.005

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

RECV-0001-0002

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203062604

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 20306260402

Level: (low/med) LOW

Lab File ID: 2030628/S4466

% Moisture: not dec.

Date Collected: 06/25/03 Time: 0800

GC Column: DB-624-30M ID: .53 (mm)

Date Received: 06/26/03

Instrument ID: MSV0

Date Analyzed: 06/28/03 Time: 1600

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: HJL

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 259279

CONCENTRATION UNITS: mg/L

Analytical Method: 1311/8260B

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-35-4	1,1-Dichloroethene	0.005	U	0.00047	0.005
107-06-2	1,2-Dichloroethane	0.005	U	0.00043	0.005
78-93-3	2-Butanone	0.025	U	0.00055	0.025
71-43-2	Benzene	0.005	U	0.00042	0.005
56-23-5	Carbon tetrachloride	0.005	U	0.00035	0.005
108-90-7	Chlorobenzene	0.005	U	0.00046	0.005
67-66-3	Chloroform	0.005	U	0.00046	0.005
127-18-4	Tetrachloroethene	0.005	U	0.00041	0.005
79-01-6	Trichloroethene	0.005	U	0.00042	0.005
75-01-4	Vinyl chloride	0.005	U	0.00051	0.005

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

IGNT-0003-0003

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203062604

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 20306260403

Level: (low/med) LOW

Lab File ID: 2030628/S4467

% Moisture: not dec.

Date Collected: 06/25/03 Time: 1000

GC Column: DB-624-30M ID: .53 (mm)

Date Received: 06/26/03

Instrument ID: MSV0

Date Analyzed: 06/28/03 Time: 1622

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: HJL

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 259279

CONCENTRATION UNITS: mg/L

Analytical Method: 1311/8260B

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-35-4	1,1-Dichloroethene	0.005	U	0.00047	0.005
107-06-2	1,2-Dichloroethane	0.005	U	0.00043	0.005
78-93-3	2-Butanone	0.025	U	0.00055	0.025
71-43-2	Benzene	0.005	U	0.00042	0.005
56-23-5	Carbon tetrachloride	0.005	U	0.00035	0.005
108-90-7	Chlorobenzene	0.005	U	0.00046	0.005
67-66-3	Chloroform	0.005	U	0.00046	0.005
127-18-4	Tetrachloroethene	0.005	U	0.00041	0.005
79-01-6	Trichloroethene	0.005	U	0.00042	0.005
75-01-4	Vinyl chloride	0.005	U	0.00051	0.005

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

PEST-0003-0003

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203062604

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 20306260404

Level: (low/med) LOW

Lab File ID: 2030628/S4468

% Moisture: not dec.

Date Collected: 06/25/03 Time: 1030

GC Column: DB-624-30M ID: .53 (mm)

Date Received: 06/26/03

Instrument ID: MSV0

Date Analyzed: 06/28/03 Time: 1643

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: HJL

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 259279

CONCENTRATION UNITS: mg/L

Analytical Method: 1311/8260B

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-35-4	1,1-Dichloroethene	0.005	U	0.00047	0.005
107-06-2	1,2-Dichloroethane	0.005	U	0.00043	0.005
78-93-3	2-Butanone	0.025	U	0.00055	0.025
71-43-2	Benzene	0.005	U	0.00042	0.005
56-23-5	Carbon tetrachloride	0.005	U	0.00035	0.005
108-90-7	Chlorobenzene	0.005	U	0.00046	0.005
67-66-3	Chloroform	0.005	U	0.00046	0.005
127-18-4	Tetrachloroethene	0.005	U	0.00041	0.005
79-01-6	Trichloroethene	0.005	U	0.00042	0.005
75-01-4	Vinyl chloride	0.005	U	0.00051	0.005

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

REAC-0003-0003

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203062604

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 20306260405

Level: (low/med) LOW

Lab File ID: 2030628/S4469

% Moisture: not dec.

Date Collected: 06/25/03 Time: 1100

GC Column: DB-624-30M ID: .53 (mm)

Date Received: 06/26/03

Instrument ID: MSV0

Date Analyzed: 06/28/03 Time: 1705

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: HJL

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 259279

CONCENTRATION UNITS: mg/L

Analytical Method: 1311/8260B

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-35-4	1,1-Dichloroethene	0.005	U	0.00047	0.005
107-06-2	1,2-Dichloroethane	0.005	U	0.00043	0.005
78-93-3	2-Butanone	0.025	U	0.00055	0.025
71-43-2	Benzene	0.005	U	0.00042	0.005
56-23-5	Carbon tetrachloride	0.005	U	0.00035	0.005
108-90-7	Chlorobenzene	0.005	U	0.00046	0.005
67-66-3	Chloroform	0.005	U	0.00046	0.005
127-18-4	Tetrachloroethene	0.005	U	0.00041	0.005
79-01-6	Trichloroethene	0.005	U	0.00042	0.005
75-01-4	Vinyl chloride	0.005	U	0.00051	0.005

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

RECV-0001-0003

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203062604

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 20306260406

Level: (low/med) LOW

Lab File ID: 2030628/S4473

% Moisture: not dec.

Date Collected: 06/25/03 Time: 1115

GC Column: DB-624-30M ID: .53 (mm)

Date Received: 06/26/03

Instrument ID: MSV0

Date Analyzed: 06/28/03 Time: 1831

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: HJL

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 259279

CONCENTRATION UNITS: mg/L

Analytical Method: 1311/8260B

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-35-4	1,1-Dichloroethene	0.005	U	0.00047	0.005
107-06-2	1,2-Dichloroethane	0.005	U	0.00043	0.005
78-93-3	2-Butanone	0.025	U	0.00055	0.025
71-43-2	Benzene	0.005	U	0.00042	0.005
56-23-5	Carbon tetrachloride	0.005	U	0.00035	0.005
108-90-7	Chlorobenzene	0.005	U	0.00046	0.005
67-66-3	Chloroform	0.005	U	0.00046	0.005
127-18-4	Tetrachloroethene	0.005	U	0.00041	0.005
79-01-6	Trichloroethene	0.005	U	0.00042	0.005
75-01-4	Vinyl chloride	0.005	U	0.00051	0.005

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203062604

Matrix: Water

Sample wt/vol: 200 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: REAC-0003-0002

Contract:

Lab File ID: 2030630P/A7659

Lab Sample ID: 20306260401

Date Collected: 06/25/03 Time: 0730

Date Received: 06/26/03

Date Extracted: 06/26/03

Date Analyzed: 06/30/03 Time: 2146

Dilution Factor: 1 Analyst: RLW

Prep Method: 1311/3510

Analytical Method: 1311/8270C

Instrument ID: MSSV1

Prep Batch: 259220 Analytical Batch: 259349

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	PQL
106-46-7	1,4-Dichlorobenzene	0.050	U	0.005	0.050
95-95-4	2,4,5-Trichlorophenol	0.050	U	0.00060	0.050
88-06-2	2,4,6-Trichlorophenol	0.050	U	0.001	0.050
121-14-2	2,4-Dinitrotoluene	0.050	U	0.00080	0.050
1319-77-3	Cresols	0.100	U	0.003	0.100
118-74-1	Hexachlorobenzene	0.050	U	0.001	0.050
87-68-3	Hexachlorobutadiene	0.050	U	0.00050	0.050
67-72-1	Hexachloroethane	0.050	U	0.00050	0.050
98-95-3	Nitrobenzene	0.050	U	0.002	0.050
87-86-5	Pentachlorophenol	0.100	U	0.005	0.100
110-86-1	Pyridine	0.050	U	0.001	0.050
1319-77-3M	m,p-Cresol	0.050	U	0.00050	0.050
95-48-7	o-Cresol	0.050	U	0.003	0.050

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203062604

Matrix: Water

Sample wt/vol: 200 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/L

Sample ID: RECV-0001-0002

Contract:

Lab File ID: 2030630P/A7660

Lab Sample ID: 203062604O2

Date Collected: 06/25/03 Time: 0800

Date Received: 06/26/03

Date Extracted: 06/26/03

Date Analyzed: 06/30/03 Time: 2209

Dilution Factor: 1 Analyst: RLW

Prep Method: 1311/3510

Analytical Method: 1311/8270C

Instrument ID: MSSV1

Prep Batch: 259220 Analytical Batch: 259349

CAS NO.	COMPOUND	RESULT	Q	MDL	PQL
106-46-7	1,4-Dichlorobenzene	0.050	U	0.005	0.050
95-95-4	2,4,5-Trichlorophenol	0.050	U	0.00060	0.050
88-06-2	2,4,6-Trichlorophenol	0.050	U	0.001	0.050
121-14-2	2,4-Dinitrotoluene	0.050	U	0.00080	0.050
1319-77-3	Cresols	0.100	U	0.003	0.100
118-74-1	Hexachlorobenzene	0.050	U	0.001	0.050
87-68-3	Hexachlorobutadiene	0.050	U	0.00050	0.050
67-72-1	Hexachloroethane	0.050	U	0.00050	0.050
98-95-3	Nitrobenzene	0.050	U	0.002	0.050
87-86-5	Pentachlorophenol	0.100	U	0.005	0.100
110-86-1	Pyridine	0.050	U	0.001	0.050
1319-77-3M	m,p-Cresol	0.050	U	0.00050	0.050
95-48-7	o-Cresol	0.050	U	0.003	0.050

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203062604

Matrix: Water

Sample wt/vol: 200 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/L

Sample ID: IGNT-0003-0003

Contract:

Lab File ID: 2030630P/A7661

Lab Sample ID: 20306260403

Date Collected: 06/25/03 Time: 1000

Date Received: 06/26/03

Date Extracted: 06/26/03

Date Analyzed: 06/30/03 Time: 2233

Dilution Factor: 1 Analyst: RLW

Prep Method: 1311/3510

Analytical Method: 1311/8270C

Instrument ID: MSSV1

Prep Batch: 259220 Analytical Batch: 259349

CAS NO.	COMPOUND	RESULT	Q	MDL	PQL
106-46-7	1,4-Dichlorobenzene	0.050	U	0.005	0.050
95-95-4	2,4,5-Trichlorophenol	0.050	U	0.00060	0.050
88-06-2	2,4,6-Trichlorophenol	0.050	U	0.001	0.050
121-14-2	2,4-Dinitrotoluene	0.050	U	0.00080	0.050
1319-77-3	Cresols	0.100	U	0.003	0.100
118-74-1	Hexachlorobenzene	0.050	U	0.001	0.050
87-68-3	Hexachlorobutadiene	0.050	U	0.00050	0.050
67-72-1	Hexachloroethane	0.050	U	0.00050	0.050
98-95-3	Nitrobenzene	0.050	U	0.002	0.050
87-86-5	Pentachlorophenol	0.100	U	0.005	0.100
110-86-1	Pyridine	0.050	U	0.001	0.050
1319-77-3M	m,p-Cresol	0.050	U	0.00050	0.050
95-48-7	o-Cresol	0.050	U	0.003	0.050

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203062604

Matrix: Water

Sample wt/vol: 200 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/L

Sample ID: PEST-0003-0003

Contract:

Lab File ID: 2030630P/A7662

Lab Sample ID: 20306260404

Date Collected: 06/25/03 Time: 1030

Date Received: 06/26/03

Date Extracted: 06/26/03

Date Analyzed: 06/30/03 Time: 2257

Dilution Factor: 1 Analyst: RLW

Prep Method: 1311/3510

Analytical Method: 1311/8270C

Instrument ID: MSSV1

Prep Batch: 259220 Analytical Batch: 259349

CAS NO.	COMPOUND	RESULT	Q	MDL	PQL
106-46-7	1,4-Dichlorobenzene	0.050	U	0.005	0.050
95-95-4	2,4,5-Trichlorophenol	0.050	U	0.00060	0.050
88-06-2	2,4,6-Trichlorophenol	0.050	U	0.001	0.050
121-14-2	2,4-Dinitrotoluene	0.050	U	0.00080	0.050
1319-77-3	Cresols	0.100	U	0.003	0.100
118-74-1	Hexachlorobenzene	0.050	U	0.001	0.050
87-68-3	Hexachlorobutadiene	0.050	U	0.00050	0.050
67-72-1	Hexachloroethane	0.050	U	0.00050	0.050
98-95-3	Nitrobenzene	0.050	U	0.002	0.050
87-86-5	Pentachlorophenol	0.100	U	0.005	0.100
110-86-1	Pyridine	0.050	U	0.001	0.050
1319-77-3M	m,p-Cresol	0.050	U	0.00050	0.050
95-48-7	o-Cresol	0.050	U	0.003	0.050

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203062604

Matrix: Water

Sample wt/vol: 200 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/L

Sample ID: REAC-0003-0003

Contract:

Lab File ID: 2030630P/A7663

Lab Sample ID: 20306260405

Date Collected: 06/25/03 Time: 1100

Date Received: 06/26/03

Date Extracted: 06/26/03

Date Analyzed: 06/30/03 Time: 2320

Dilution Factor: 1 Analyst: RLW

Prep Method: 1311/3510

Analytical Method: 1311/8270C

Instrument ID: MSSV1

Prep Batch: 259220 Analytical Batch: 259349

CAS NO.	COMPOUND	RESULT	Q	MDL	PQL
106-46-7	1,4-Dichlorobenzene	0.050	U	0.005	0.050
95-95-4	2,4,5-Trichlorophenol	0.050	U	0.00060	0.050
88-06-2	2,4,6-Trichlorophenol	0.050	U	0.001	0.050
121-14-2	2,4-Dinitrotoluene	0.050	U	0.00080	0.050
1319-77-3	Cresols	0.100	U	0.003	0.100
118-74-1	Hexachlorobenzene	0.050	U	0.001	0.050
87-68-3	Hexachlorobutadiene	0.050	U	0.00050	0.050
67-72-1	Hexachloroethane	0.050	U	0.00050	0.050
98-95-3	Nitrobenzene	0.050	U	0.002	0.050
87-86-5	Pentachlorophenol	0.100	U	0.005	0.100
110-86-1	Pyridine	0.050	U	0.001	0.050
1319-77-3M	m,p-Cresol	0.050	U	0.00050	0.050
95-48-7	o-Cresol	0.050	U	0.003	0.050

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203062604

Matrix: Water

Sample wt/vol: 200 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/L

Sample ID: RECV-0001-0003

Contract:

Lab File ID: 2030630P/A7664

Lab Sample ID: 20306260406

Date Collected: 06/25/03 Time: 1115

Date Received: 06/26/03

Date Extracted: 06/26/03

Date Analyzed: 06/30/03 Time: 2343

Dilution Factor: 1 Analyst: RLW

Prep Method: 1311/3510

Analytical Method: 1311/8270C

Instrument ID: MSSV1

Prep Batch: 259220 Analytical Batch: 259349

CAS NO.	COMPOUND	RESULT	Q	MDL	PQL
106-46-7	1,4-Dichlorobenzene	0.050	U	0.005	0.050
95-95-4	2,4,5-Trichlorophenol	0.050	U	0.00060	0.050
88-06-2	2,4,6-Trichlorophenol	0.050	U	0.001	0.050
121-14-2	2,4-Dinitrotoluene	0.050	U	0.00080	0.050
1319-77-3	Cresols	0.100	U	0.003	0.100
118-74-1	Hexachlorobenzene	0.050	U	0.001	0.050
87-68-3	Hexachlorobutadiene	0.050	U	0.00050	0.050
67-72-1	Hexachloroethane	0.050	U	0.00050	0.050
98-95-3	Nitrobenzene	0.050	U	0.002	0.050
87-86-5	Pentachlorophenol	0.100	U	0.005	0.100
110-86-1	Pyridine	0.050	U	0.001	0.050
1319-77-3M	m,p-Cresol	0.050	U	0.00050	0.050
95-48-7	o-Cresol	0.050	U	0.003	0.050

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 100 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-1701 ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 259264 Analytical Batch: 259316

Sample ID: REAC-0003-0002

Contract:

SAS No.: SDG No.: 203062604

Lab Sample ID: 20306260401

Date Collected: 06/25/03 Time: 0730

Date Received: 06/26/03

Date Extracted: 06/27/03

Date Analyzed: 06/28/03 Time: 1919

Dilution Factor: 1 Analyst: DLB

Prep Method: SW-846 3510

Analytical Method: 1311/8081A

Sulfur Cleanup: (Y/N) N Instrument ID: GCS3A

CONCENTRATION UNITS: *mg/L*

Lab File ID: 2030628/SV3018

CAS NO.	*COMPOUND*	*RESULT*	*Q*	*MDL*	*RL*
57-74-9	Chlordane	0.02500	U	0.00016	0.02500
72-20-8	Endrin	0.00100	U	0.00013	0.00100
76-44-8	Heptachlor	0.00050	U	0.00008	0.00050
1024-57-3	Heptachlor epoxide	0.00050	U	0.00010	0.00050
72-43-5	Methoxychlor	0.02500	U	0.00065	0.02500
8001-35-2	Toxaphene	0.25000	U	0.00050	0.25000
58-89-9	gamma-BHC (Lindane)	0.00050	U	0.00006	0.00050

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 100 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-1701 ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 259264 Analytical Batch: 259316

Sample ID: RECV-0001-0002

Contract:

SAS No.: SDG No.: 203062604

Lab Sample ID: 20306260402

Date Collected: 06/25/03 Time: 0800

Date Received: 06/26/03

Date Extracted: 06/27/03

Date Analyzed: 06/28/03 Time: 1948

Dilution Factor: 1 Analyst: DLB

Prep Method: SW-846 3510

Analytical Method: 1311/8081A

Sulfur Cleanup: (Y/N) N Instrument ID: GCS3A

Lab File ID: 2030628/SV3019

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
57-74-9	Chlordane	0.02500	U	0.00016	0.02500
72-20-8	Endrin	0.00100	U	0.00013	0.00100
76-44-8	Heptachlor	0.00050	U	0.00008	0.00050
1024-57-3	Heptachlor epoxide	0.00050	U	0.00010	0.00050
72-43-5	Methoxychlor	0.02500	U	0.00065	0.02500
8001-35-2	Toxaphene	0.25000	U	0.00050	0.25000
58-89-9	gamma-BHC (Lindane)	0.00050	U	0.00006	0.00050

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 100 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-1701 ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 259264 Analytical Batch: 259316

Sample ID: IGNT-0003-0003

Contract:

SAS No.: SDG No.: 203062604

Lab Sample ID: 20306260403

Date Collected: 06/25/03 Time: 1000

Date Received: 06/26/03

Date Extracted: 06/27/03

Date Analyzed: 06/28/03 Time: 2018

Dilution Factor: 1 Analyst: DLB

Prep Method: SW-846 3510

Analytical Method: 1311/8081A

Sulfur Cleanup: (Y/N) N Instrument ID: GCS3A

Lab File ID: 2030628/SV3020

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
57-74-9	Chlordane	0.02500	U	0.00016	0.02500
72-20-8	Endrin	0.00100	U	0.00013	0.00100
76-44-8	Heptachlor	0.00050	U	0.00008	0.00050
1024-57-3	Heptachlor epoxide	0.00050	U	0.00010	0.00050
72-43-5	Methoxychlor	0.02500	U	0.00065	0.02500
8001-35-2	Toxaphene	0.25000	U	0.00050	0.25000
58-89-9	gamma-BHC (Lindane)	0.00050	U	0.00006	0.00050

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 100 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-1701 ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 259264 Analytical Batch: 259316

CONCENTRATION UNITS: mg/L

Sample ID: PEST-0003-0003

Contract:

SAS No.: SDG No.: 203062604

Lab Sample ID: 20306260404

Date Collected: 06/25/03 Time: 1030

Date Received: 06/26/03

Date Extracted: 06/27/03

Date Analyzed: 06/28/03 Time: 2047

Dilution Factor: 1 Analyst: DLB

Prep Method: SW-846 3510

Analytical Method: 1311/8081A

Sulfur Cleanup: (Y/N) N Instrument ID: GCS3A

Lab File ID: 2030628/SV3021

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
57-74-9	Chlordane	0.02500	U	0.00016	0.02500
72-20-8	Endrin	0.00100	U	0.00013	0.00100
76-44-8	Heptachlor	0.00050	U	0.00008	0.00050
1024-57-3	Heptachlor epoxide	0.00050	U	0.00010	0.00050
72-43-5	Methoxychlor	0.02500	U	0.00065	0.02500
8001-35-2	Toxaphene	0.25000	U	0.00050	0.25000
58-89-9	gamma-BHC (Lindane)	0.00050	U	0.00006	0.00050

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 100 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-1701 ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 259264 Analytical Batch: 259316

Sample ID: REAC-0003-0003

Contract:

SAS No.: SDG No.: 203062604

Lab Sample ID: 20306260405

Date Collected: 06/25/03 Time: 1100

Date Received: 06/26/03

Date Extracted: 06/27/03

Date Analyzed: 06/28/03 Time: 2117

Dilution Factor: 1 Analyst: DLB

Prep Method: SW-846 3510

Analytical Method: 1311/8081A

Sulfur Cleanup: (Y/N) N Instrument ID: GCS3A

CONCENTRATION UNITS: mg/L

Lab File ID: 2030628/SV3022

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
57-74-9	Chlordane	0.02500	U	0.00016	0.02500
72-20-8	Endrin	0.00100	U	0.00013	0.00100
76-44-8	Heptachlor	0.00050	U	0.00008	0.00050
1024-57-3	Heptachlor epoxide	0.00050	U	0.00010	0.00050
72-43-5	Methoxychlor	0.02500	U	0.00065	0.02500
8001-35-2	Toxaphene	0.25000	U	0.00050	0.25000
58-89-9	gamma-BHC (Lindane)	0.00050	U	0.00006	0.00050

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 100 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-1701 ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 259264 Analytical Batch: 259316

CONCENTRATION UNITS: mg/L

Sample ID: RECV-0001-0003

Contract:

SAS No.: SDG No.: 203062604

Lab Sample ID: 20306260406

Date Collected: 06/25/03 Time: 1115

Date Received: 06/26/03

Date Extracted: 06/27/03

Date Analyzed: 06/28/03 Time: 2146

Dilution Factor: 1 Analyst: DLB

Prep Method: SW-846 3510

Analytical Method: 1311/8081A

Sulfur Cleanup: (Y/N) N Instrument ID: GCS3A

Lab File ID: 2030628/SV3023

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
57-74-9	Chlordane	0.02500	U	0.00016	0.02500
72-20-8	Endrin	0.00100	U	0.00013	0.00100
76-44-8	Heptachlor	0.00050	U	0.00008	0.00050
1024-57-3	Heptachlor epoxide	0.00050	U	0.00010	0.00050
72-43-5	Methoxychlor	0.02500	U	0.00065	0.02500
8001-35-2	Toxaphene	0.25000	U	0.00050	0.25000
58-89-9	gamma-BHC (Lindane)	0.00050	U	0.00006	0.00050

Batch Sample Worklist

Gulf Coast Analytical Laboratories, Inc.

Queue: INPR Inorganic Prep Reactive Cn QC Rule: CNR_W_EX Status: NA Other Criteria:

Batch: 2341 HBN: 259179 Analyst: Obbie Tillotson Created Date: 6/26/03 10:28

Pos	Lab ID	Type	CC	DILUTION	Analyte List	WO	HSN	Due Date	Expire Date	HISTORY	Sample ID	Hazard	Original HSN
1	106193	MB	OK		CNR_W_EX		1E+05	6/27/03	7/10/03 10:28	N/A	MB for HBN 259179 [INPR/2341]	N	
											PH CHECK		
2	106194	LCS	OK		CNR_W_EX		1E+05	6/27/03	7/10/03 10:28	N/A	LCS for HBN 259179 [INPR/2341]	N	
											PH CHECK		
3	[redacted]	SAMPLE	OK		CNR_W_EX	203062602	1E+05	6/27/03	7/8/03 11:00	1	IGNT-0003-0001	N	
											PH CHECK		
4	[redacted]	DUP	OK		CNR_W_EX		1E+05	6/26/03	7/8/03 11:00	N/A	IGNT-0003-0001(106073DUP)	N	106073
											PH CHECK		
5	[redacted]	SAMPLE	OK		CNR_W_EX	203062602	1E+05	6/27/03	7/8/03 11:30	1	PEST-0003-0001	N	
											PH CHECK		
6	[redacted]	SAMPLE	OK		CNR_W_EX	203062602	1E+05	6/27/03	7/8/03 12:00	1	REAC-0003-0001	N	
											PH CHECK		
7	[redacted]	SAMPLE	OK		CNR_W_EX	203062602	1E+05	6/27/03	7/8/03 12:30	1	RECV-0001-0001	N	
											PH CHECK		
8	[redacted]	SAMPLE	OK		CNR_W_EX	203062602	1E+05	6/27/03	7/8/03 14:30	1	IGNT-0003-0002	N	
											PH CHECK		
9	[redacted]	SAMPLE	OK		CNR_W_EX	203062602	1E+05	6/27/03	7/8/03 15:00	1	PEST-0003-0002	N	
											PH CHECK		
10	20306260401	SAMPLE	OK		CNR_W_EX	203062604	1E+05	6/30/03	7/9/03 7:30	1	REAC-0003-0002	N	
											PH CHECK		
11	20306260402	SAMPLE	OK		CNR_W_EX	203062604	1E+05	6/30/03	7/9/03 8:00	1	RECV-0001-0002	N	
											PH CHECK		

000071

Batch Sample Worklist

Gulf Coast Analytical Laboratories, Inc.

Queue: INPR Inorganic Prep Reactive Cn QC Rule: CNR_W_EX Status: NA Other Criteria:

Batch: 2341 HBN: 259179 Analyst: Obbie Tillotson Created Date: 6/26/03 10:28

Pos	Lab ID	Type	CC	DILUTION	Analyte List	WO	HSN	Due Date	Expire Date	HISTORY	Sample ID	Hazard	Original HSN
12	20306260403	SAMPLE	OK		CNR_W_EX	203062604	1E+05	6/30/03	7/9/03 10:00	1	IGNT-0003-0003	N	
											PH CHECK		
13	20306260404	SAMPLE	OK		CNR_W_EX	203062604	1E+05	6/30/03	7/9/03 10:30	1	PEST-0003-0003	N	
											PH CHECK		
14	20306260405	SAMPLE	OK		CNR_W_EX	203062604	1E+05	6/30/03	7/9/03 11:00	1	REAC-0003-0003	N	
											PH CHECK		
15	20306260406	SAMPLE	OK		CNR_W_EX	203062604	1E+05	6/30/03	7/9/03 11:15	1	RECV-0001-0003	N	
											PH CHECK		

000072

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
106193	Method Blank	Water	

9012A

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/26/2003 13:00	259179	7.3.3.2	1	06/26/2003 15:36	BMC	259203

CAS #	PARAMETER	RESULT	RDL	UNITS
57-12-5R	Reactivity Cyanide	ND	250	mg/L

Batch Sample Worklist

Gulf Coast Analytical Laboratories, Inc.

Queue: INPR Inorganic Prep Reactive S **QC Rule:** SR_W_EX **Status:** NA **Other Criteria:**

Batch: 2342 **HBN:** 259180 **Analyst:** Obbie Tillotson **Created Date:** 6/26/03 10:30

Pos	Lab ID	Type	CC	DILUTION	Analyte List	WO	HSN	Due Date	Expire Date	HISTORY	Sample ID	Hazard	Original HSN
1	106203	MB	OK		SR_W_EX		1E+05	6/27/03	12/23/03 10:30	N/A	MB for HBN 259180 [INPR/2342]	N	
											PH CHECK		
2	106204	LCS	OK		SR_W_EX		1E+05	6/27/03	12/23/03 10:30	N/A	LCS for HBN 259180 [INPR/2342]	N	
											PH CHECK		
3	[redacted]	SAMPLE	OK		SR_W_EX	203062602	1E+05	6/27/03	12/21/03 11:00	1	IGNT-0003-0001	N	
											PH CHECK		
4	[redacted]	DUP	OK		SR_W_EX		1E+05	6/26/03	12/21/03 11:00	N/A	IGNT-0003-0001(106073DUP)	N	106073
											PH CHECK		
5	[redacted]	SAMPLE	OK		SR_W_EX	203062602	1E+05	6/27/03	12/21/03 11:30	1	PEST-0003-0001	N	
											PH CHECK		
6	[redacted]	SAMPLE	OK		SR_W_EX	203062602	1E+05	6/27/03	12/21/03 12:00	1	REAC-0003-0001	N	
											PH CHECK		
7	[redacted]	SAMPLE	OK		SR_W_EX	203062602	1E+05	6/27/03	12/21/03 12:30	1	RECV-0001-0001	N	
											PH CHECK		
8	[redacted]	SAMPLE	OK		SR_W_EX	203062602	1E+05	6/27/03	12/21/03 14:30	1	IGNT-0003-0002	N	
											PH CHECK		
9	[redacted]	SAMPLE	OK		SR_W_EX	203062602	1E+05	6/27/03	12/21/03 15:00	1	PEST-0003-0002	N	
											PH CHECK		
10	20306260401	SAMPLE	OK		SR_W_EX	203062604	1E+05	6/30/03	12/22/03 7:30	1	REAC-0003-0002	N	
											PH CHECK		
11	20306260402	SAMPLE	OK		SR_W_EX	203062604	1E+05	6/30/03	12/22/03 8:00	1	RECV-0001-0002	N	
											PH CHECK		

000074

Batch Sample Worklist

Gulf Coast Analytical Laboratories, Inc.

Queue: INPR Inorganic Prep **QC Rule:** SR_W_EX **Status:** NA **Other Criteria:**

Batch: 2342 **HBN:** 259180 **Analyst:** Obbie Tillotson **Created Date:** 6/26/03 10:30

Pos	Lab ID	Type	CC	DILUTION	Analyte List	WO	HSN	Due Date	Expire Date	HISTORY	Sample ID	Hazard	Original HSN
12	20306260403	SAMPLE	OK		SR_W_EX	203062604	1E+05	6/30/03	12/22/03 10:00	1	IGNT-0003-0003	N	
											PH CHECK		
13	20306260404	SAMPLE	OK		SR_W_EX	203062604	1E+05	6/30/03	12/22/03 10:30	1	PEST-0003-0003	N	
											PH CHECK		
14	20306260405	SAMPLE	OK		SR_W_EX	203062604	1E+05	6/30/03	12/22/03 11:00	1	REAC-0003-0003	N	
											PH CHECK		
15	20306260406	SAMPLE	OK		SR_W_EX	203062604	1E+05	6/30/03	12/22/03 11:15	1	RECV-0001-0003	N	
											PH CHECK		

000075

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
106203	Method Blank	Water	

9034

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/26/2003 13:00	259180	7.3.4.2	1	06/27/2003 09:52	MDT	259254

CAS #	PARAMETER	RESULT	RDL	UNITS
18496-25-8	Reactivity Sulfide	ND	80	mg/L

Batch Sample Worklist

Gulf Coast Analytical Laboratories, Inc.

Queue: TOC Total Organic Carbon (TOC) **QC Rule:** TOC_W **Status:** RE **Other Criteria:**

Batch: 1688 **HBN:** 259211 **Analyst:** Bessie Claiborne **Created Date:** 6/26/03 16:21

Pos	Lab ID	Type	CC	DILUTION	Analyte List	WO	HSN	Due Date	Expire Date	HISTORY	Sample ID	Hazard	Original HSN
1	20306260401	SAMPLE	OK		TOC_W	203062604	1E+05	7/2/03	7/23/03 7:30	1	REAC-0003-0002	N	
											PH CHECK		
2	20306260402	SAMPLE	OK		TOC_W	203062604	1E+05	7/2/03	7/23/03 8:00	1	RECV-0001-0002	N	
											PH CHECK		
3	20306260403	SAMPLE	OK		TOC_W	203062604	1E+05	7/2/03	7/23/03 10:00	1	IGNT-0003-0003	N	
											PH CHECK		
4	106347	MB	OK		TOC_W_QC		1E+05	7/1/03	7/24/03 16:21	N/A	MB for HBN 259211 [TOC/1688]	N	
											PH CHECK		
5	106348	LCS	OK		TOC_W_QC		1E+05	7/1/03	7/24/03 16:21	N/A	LCS for HBN 259211 [TOC/1688]	N	
											PH CHECK		
6	20306260405	SAMPLE	OK		TOC_W	203062604	1E+05	7/2/03	7/23/03 11:00	1	REAC-0003-0003	N	
											PH CHECK		
7	20306260406	SAMPLE	OK		TOC_W	203062604	1E+05	7/2/03	7/23/03 11:15	1	RECV-0001-0003	N	
											PH CHECK		
8	[redacted]	SAMPLE	OK		TOC_W	203062613	1E+05	7/2/03	7/21/03 7:00	1	Outfall 002	N	
											PH CHECK		
9	[redacted]	SAMPLE	OK		TOC_W	203062614	1E+05	7/2/03	7/24/03 7:35	1	DRINKING WATER	N	
											PH CHECK		
10	[redacted]	SAMPLE	OK		TOC_W	203062616	1E+05	7/1/03	7/23/03 15:09	1	OUTFALL 004	N	
											PH CHECK		
11	[redacted]	SAMPLE	OK		TOC_W V	203062617	1E+05	7/2/03	7/24/03 8:20	1	001 MAJOR	N	
											PH CHECK		
12	[redacted]	DUP	OK		TOC_W_QC		1E+05	7/1/03	7/24/03 8:20	N/A	001 MAJOR(106278DUP)	N	106278
											PH CHECK		

000077

Batch Sample Worklist

Gulf Coast Analytical Laboratories, Inc.

Queue: TOC Total Organic Carbon (TOC) QC Rule: TOC_W Status: RE Other Criteria:

Batch: 1688 HBN: 259211 Analyst: Bessie Claiborne Created Date: 6/26/03 16:21

Pos	Lab ID	Type	CC	DILUTION	Analyte List	WO	HSN	Due Date	Expire Date	HISTORY	Sample ID	Hazard	Original HSN
13	[redacted]	MS	OK		TOC_W_QC		1E+05	7/1/03	7/24/03 8:20	N/A	001 MAJOR(106278MS)	N	106278
14	[redacted]	SAMPLE	OK		TOC_W	203062616	1E+05	7/1/03	7/23/03 16:54	1	PH CHECK EPA-008	N	
15	[redacted]	SAMPLE	OK		TOC_W	203062619	1E+05	7/2/03	7/23/03 13:30	1	PH CHECK OUTFALL 001	N	
16	[redacted]	SAMPLE	OK		TOC_W	203062620	1E+05	6/30/03	7/23/03 4:00	5	PH CHECK FEED TO ELECT	N	
17	[redacted]	SAMPLE	OK		TOC_W	203062620	1E+05	6/30/03	7/23/03 4:00	5	PH CHECK RAW BRINE	N	
18	[redacted]	SAMPLE	OK		TOC_W	203062626	1E+05	7/2/03	7/23/03 4:08	1	PH CHECK TWB-D-2988, 002A	N	
19	20306260404	SAMPLE	OK		TOC_W	203062604	1E+05	7/2/03	7/23/03 10:30	1	PH CHECK PEST-0003-0003	N	
20	[redacted]	DUP	OK		TOC_W_QC		1E+05	7/1/03	7/23/03 10:30	N/A	PH CHECK PEST-0003-0003(106104DUP)	N	106104
21	[redacted]	MS	OK		TOC_W_QC		1E+05	7/1/03	7/23/03 10:30	N/A	PH CHECK PEST-0003-0003(106104MS)	N	106104

PH CHECK

000078

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
106347	Method Blank	Water	

EPA 5310 B (TOC)

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/27/2003 03:01	BMC	259211

CAS #	PARAMETER	RESULT	RDL	UNITS
C-012	Total Organic Carbon	ND	1.0	mg/L

Batch Sample Worklist

Total Organic Halides

Gulf Coast Analytical Laboratories, Inc.

Queue: TOC Total Organic Carbon (TOC) **QC Rule:** TOX_W **Status:** RE **Other Criteria:**

Batch: 1698 **HBN:** 259634 **Analyst:** Shelley Bourgeois **Created Date:** 7/8/03 10:59

Pos	Lab ID	Type	CC	DILUTION	Analyte List	WO	HSN	Due Date	Expire Date	HISTORY	Sample ID	Hazard	Original HSN
1	107681	MB	OK		TOX_W		1E+05	7/11/03	8/5/03 10:59	N/A	MB for HBN 259634 [TOC/1698]	N	
											PH CHECK		
2	107682	LCS	OK		TOX_W		1E+05	7/11/03	8/5/03 10:59	N/A	LCS for HBN 259634 [TOC/1698]	N	
											PH CHECK		
3	20306260401	SAMPLE	OK		TOX_W	203062604	1E+05	7/2/03	7/23/03 7:30	1	REAC-0003-0002	N	
											PH CHECK		
4	107683	DUP	OK		TOX_W		1E+05	7/1/03	7/23/03 7:30	N/A	REAC-0003-0002(106101DUP)	N	106101
											PH CHECK		
5	107684	MS	OK		TOX_W		1E+05	7/1/03	7/23/03 7:30	N/A	REAC-0003-0002(106101MS)	N	106101
											PH CHECK		
6	20306260403	SAMPLE	OK		TOX_W	203062604	1E+05	7/2/03	7/23/03 10:00	1	IGNT-0003-0003	N	
											PH CHECK		
7	20306260402	SAMPLE	OK		TOX_W	203062604	1E+05	7/2/03	7/23/03 8:00	1	RECV-0001-0002	N	
											PH CHECK		
8	20306260404	SAMPLE	OK		TOX_W	203062604	1E+05	7/2/03	7/23/03 10:30	1	PEST-0003-0003	N	
											PH CHECK		
9	20306260405	SAMPLE	OK		TOX_W	203062604	1E+05	7/2/03	7/23/03 11:00	1	REAC-0003-0003	N	
											PH CHECK		
10	[redacted]	SAMPLE	OK		TOX_W	203062602	1E+05	7/1/03	7/22/03 11:00	1	IGNT-0003-0001	N	
											PH CHECK		
11	[redacted]	SAMPLE	OK		TOX_W	203062602	1E+05	7/1/03	7/22/03 11:30	1	PEST-0003-0001	N	
											PH CHECK		

000080

Batch Sample Worklist

Gulf Coast Analytical Laboratories, Inc.

Queue: TOC Total Organic Carbon (TOC) **QC Rule:** TOX_W **Status:** RE **Other Criteria:**

Batch: 1698 **HBN:** 259634 **Analyst:** Shelley Bourgeois **Created Date:** 7/8/03 10:59

Pos	Lab ID	Type	CC	DILUTION	Analyte List	WO	HSN	Due Date	Expire Date	HISTORY	Sample ID	Hazard	Original HSN
12	20306260406	SAMPLE	OK		TOX_W	203062604	1E+05	7/2/03	7/23/03 11:15	1	RECV-0001-0003	N	
											PH CHECK		
13	[redacted]	SAMPLE	OK		TOX_W	203062602	1E+05	7/1/03	7/22/03 12:00	1	REAC-0003-0001	N	
											PH CHECK		
14	[redacted]	SAMPLE	OK		TOX_W	203062602	1E+05	7/1/03	7/22/03 12:30	1	RECV-0001-0001	N	
											PH CHECK		
15	[redacted]	SAMPLE	OK		TOX_W	203062602	1E+05	7/1/03	7/22/03 14:30	1	IGNT-0003-0002	N	
											PH CHECK		
16	[redacted]	SAMPLE	OK		TOX_W	203062602	1E+05	7/1/03	7/22/03 15:00	1	PEST-0003-0002	N	
											PH CHECK		
17	[redacted]	SAMPLE	OK		TOX_W	203070118	1E+05	7/7/03	7/29/03 10:30	1	INJECTION WELL COMPOSITE	N	
											PH CHECK		
18	[redacted]	SAMPLE			TOX_W	203070329	1E+05	7/9/03	7/30/03 10:20	2	MW-25 (1)	N	
											PH CHECK		
19	[redacted]	SAMPLE			TOX_W	203070329	1E+05	7/9/03	7/30/03 10:20	2	MW-25 (2)	N	
											PH CHECK		
20	[redacted]	SAMPLE			TOX_W	203070329	1E+05	7/9/03	7/30/03 10:20	2	MW-25 (3)	N	
											PH CHECK		
21	[redacted]	SAMPLE			TOX_W	203070329	1E+05	7/9/03	7/30/03 10:20	2	MW-25 (4)	N	
											PH CHECK		
22	[redacted]	SAMPLE			TOX_W	203070329	1E+05	7/9/03	7/30/03 11:15	2	MW-26 (1)	N	
											PH CHECK		
23	[redacted]	SAMPLE			TOX_W	203070329	1E+05	7/9/03	7/30/03 11:15	2	MW-26 (2)	N	
											PH CHECK		

000081

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
107681	Method Blank	Water	

9020B

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	07/02/2003 08:30	JAR	259634

CAS #	PARAMETER	RESULT	RDL	UNITS
59473-04-0	Total Organic Halides	ND	10.0	ug/L

PREPARATION LOG

Lab Name: GCAL Sample ID:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203062604

Method: 3010A Method Type: P

EPA Sample No.	Preparation Date	Weight	Units	Volume	Units
IGNT-0003-0001DUP	06/27/03			50	mL
IGNT-0003-0001MS	06/27/03			50	mL
IGNT-0003-0003	06/27/03			50	mL
LCS106437	06/27/03			50	mL
MB106436	06/27/03			50	mL
PEST-0003-0003	06/27/03			50	mL
REAC-0003-0002	06/27/03			50	mL
REAC-0003-0003	06/27/03			50	mL
RECV-0001-0002	06/27/03			50	mL
RECV-0001-0003	06/27/03			50	mL

BLANKS

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203062604

Lab Sample ID: 106436

ICAL ID: 2

Lab Sample DESC: MB106436

Preparation Blank Matrix: (soil / water) Water

Instrument ID: ICP5

Date Analyzed: 06/30/03 Time: 1142

PREPARATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Arsenic	0.20	U	mg/L	0.0035	0.20	SW-846 1311/6010B	P
Barium	1.00	U	mg/L	0.00060	1.00	SW-846 1311/6010B	P
Cadmium	0.010	U	mg/L	0.00020	0.010	SW-846 1311/6010B	P
Chromium	0.050	U	mg/L	0.00050	0.050	SW-846 1311/6010B	P
Lead	0.10	U	mg/L	0.0024	0.10	SW-846 1311/6010B	P
Selenium	0.10	U	mg/L	0.0043	0.10	SW-846 1311/6010B	P
Silver	0.050	U	mg/L	0.00040	0.050	SW-846 1311/6010B	P

PREPARATION LOG

Lab Name: GCAL Sample ID:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203062604

Method: SW-846 7470A Method Type: AV

EPA Sample No.	Preparation Date	Weight	Units	Volume	Units
IGNT-0003-0001DUP	06/27/03			20	mL
IGNT-0003-0001MS	06/27/03			20	mL
IGNT-0003-0003	06/27/03			20	mL
LCS106442	06/27/03			20	mL
MB106441	06/27/03			20	mL
PEST-0003-0003	06/27/03			20	mL
REAC-0003-0002	06/27/03			20	mL
REAC-0003-0003	06/27/03			20	mL
RECV-0001-0002	06/27/03			20	mL
RECV-0001-0003	06/27/03			20	mL

BLANKS

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203062604

Lab Sample ID: 106441

ICAL ID: 1

Lab Sample DESC: MB106441

Preparation Blank Matrix: (soil / water) Water

Instrument ID: FIMS1

Date Analyzed: 06/30/03 Time: 1558

PREPARATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Mercury	0.00017	B	mg/L	0.00008	0.00020	SW-846 1311/7470A	AV

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

MB106594

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203062604

Lab File ID: 2030628/S4458

Lab Sample ID: 106594 Date Extracted:

GC Column: DB-624-30M ID: .53 (mm)

Date Analyzed: 06/28/03 Time: 1242

Instrument ID: MSV0 Matrix: Water

Heated Purge: N

Level: LOW

Prep Batch: Analytical Batch: 259279

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS106593	106593	2030628/S4455	06/28/03	1100
2.	LCSD106609	106609	2030628/S4456	06/28/03	1121
3.	REAC-0003-0002	20306260401	2030628/S4465	06/28/03	1539
4.	RECV-0001-0002	20306260402	2030628/S4466	06/28/03	1600
5.	IGNT-0003-0003	20306260403	2030628/S4467	06/28/03	1622
6.	PEST-0003-0003	20306260404	2030628/S4468	06/28/03	1643
7.	REAC-0003-0003	20306260405	2030628/S4469	06/28/03	1705
8.	RECV-0001-0003	20306260406	2030628/S4473	06/28/03	1831

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203062604

	SAMPLE NO.	SMC1	#	SMC2	#	SMC3	#	SMC4	#	TOT OUT
1.	REAC-0003-0002	103		103		101		97		0
2.	RECV-0001-0002	103		102		100		98		0
3.	IGNT-0003-0003	103		102		102		97		0
4.	PEST-0003-0003	102		101		102		97		0
5.	REAC-0003-0003	103		102		100		98		0
6.	RECV-0001-0003	102		102		101		97		0
7.	LCS106593	102		102		100		96		0
8.	LCSD106609	102		102		101		97		0
9.	MB106594	102		104		101		97		0

		QC LIMITS
SMC 1	4-Bromofluorobenzene	78 - 115
SMC 2	Dibromofluoromethane	70 - 130
SMC 3	Toluene-d8	83 - 112
SMC 4	1,2-Dichloroethane-d4	76 - 128

Column to be used to flag recovery values

* Values outside of contract required QC limits

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB106594

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203062604

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 106594

Level: (low/med) LOW

Lab File ID: 2030628/S4458

% Moisture: not dec.

Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm)

Date Received:

Instrument ID: MSV0

Date Analyzed: 06/28/03 Time: 1242

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: HJL

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 259279

CONCENTRATION UNITS: mg/L

Analytical Method: 1311/8260B

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-35-4	1,1-Dichloroethene	0.005	U	0.00047	0.005
107-06-2	1,2-Dichloroethane	0.005	U	0.00043	0.005
78-93-3	2-Butanone	0.025	U	0.00055	0.025
71-43-2	Benzene	0.005	U	0.00042	0.005
56-23-5	Carbon tetrachloride	0.005	U	0.00035	0.005
108-90-7	Chlorobenzene	0.005	U	0.00046	0.005
67-66-3	Chloroform	0.005	U	0.00046	0.005
127-18-4	Tetrachloroethene	0.005	U	0.00041	0.005
79-01-6	Trichloroethene	0.005	U	0.00042	0.005
75-01-4	Vinyl chloride	0.005	U	0.00051	0.005

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: GCAL

Sample ID: MB106360

Lab Code: LA024 Case No.:

Contract:

Lab File ID: 2030630P/A7649

SAS No.: SDG No.: 203062604

GC Column: DB-5MS-30M ID: .25 (mm)

Lab Sample ID: 106360 Date Extracted: 06/26/03

Instrument ID: MSSV1 Matrix: Water

Date Analyzed: 06/30/03 Time: 1753

Level: LOW

Method: 1311/8270C

Prep Batch: 259220 Analytical Batch: 259349

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS106364	106364	2030630P/A7650	06/30/03	1816
2.	REAC-0003-0002	20306260401	2030630P/A7659	06/30/03	2146
3.	RECV-0001-0002	20306260402	2030630P/A7660	06/30/03	2209
4.	IGNT-0003-0003	20306260403	2030630P/A7661	06/30/03	2233
5.	PEST-0003-0003	20306260404	2030630P/A7662	06/30/03	2257
6.	REAC-0003-0003	20306260405	2030630P/A7663	06/30/03	2320
7.	RECV-0001-0003	20306260406	2030630P/A7664	06/30/03	2343

2C

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 2 Case No.: SAS No.: SDG No.: 203062604

Method: 1311/8270C Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1	#	SMC2	#	SMC3	#	SMC4	#	SMC5	#	SMC6	#	TOT OUT
1.	REAC-0003-0002	89		96		107		82	*	88		78		1
2.	RECV-0001-0002	90		92		108		82	*	85		69		1
3.	IGNT-0003-0003	88		91		108		84	*	89		67		1
4.	PEST-0003-0003	90		95		106		84	*	88		69		1
5.	REAC-0003-0003	89		92		108		85	*	91		70		1
6.	RECV-0001-0003	90		95		109		84	*	90		75		1
7.	LCS106364	91		98		108		98	*	100	*	95		2
8.	MB106360	88		85		101		89	*	91		73		1

		CONTROL LIMITS	
SMC 1	Nitrobenzene-d5	43	110
SMC 2	2-Fluorobiphenyl	16	128
SMC 3	Terphenyl-d14	47	121
SMC 4	Phenol-d5	10	76
SMC 5	2-Fluorophenol	24	96
SMC 6	2,4,6-Tribromophenol	19	133

Column to be used to flag recovery limits

* Value outside of contract required limits

D Surrogate diluted out

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203062604

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: DB-5MS-30M ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/L

Sample ID: MB106360

Contract:

Lab File ID: 2030630P/A7649

Lab Sample ID: 106360

Date Collected: Time:

Date Received:

Date Extracted: 06/26/03

Date Analyzed: 06/30/03 Time: 1753

Dilution Factor: 1 Analyst: RLW

Prep Method: 3510C

Analytical Method: 1311/8270C

Instrument ID: MSSV1

Prep Batch: 259220 Analytical Batch: 259349

CAS NO.	COMPOUND	RESULT	Q	MDL	PQL
106-46-7	1,4-Dichlorobenzene	0.050	U	0.005	0.050
95-95-4	2,4,5-Trichlorophenol	0.050	U	0.00060	0.050
88-06-2	2,4,6-Trichlorophenol	0.050	U	0.001	0.050
121-14-2	2,4-Dinitrotoluene	0.050	U	0.00080	0.050
1319-77-3	Cresols	0.100	U	0.003	0.100
118-74-1	Hexachlorobenzene	0.050	U	0.001	0.050
87-68-3	Hexachlorobutadiene	0.050	U	0.00050	0.050
67-72-1	Hexachloroethane	0.050	U	0.00050	0.050
98-95-3	Nitrobenzene	0.050	U	0.002	0.050
87-86-5	Pentachlorophenol	0.100	U	0.005	0.100
110-86-1	Pyridine	0.050	U	0.001	0.050
1319-77-3M	m,p-Cresol	0.050	U	0.00050	0.050
95-48-7	o-Cresol	0.050	U	0.003	0.050

4C

ORGANIC METHOD BLANK SUMMARY

Lab Name: GCAL

Lab Code: LA024 Case No.:

Lab Sample ID: 106562

Matrix: Water Sulfur Cleanup: (Y/N) N

Date Analyzed (1): 06/28/03 Time (1): 1256

Instrument ID (1): GCS3A

GC Column (1): RTX-1701 ID: .53 (mm)

Method: 1311/8081A

Lab File ID: 2030628/SV3005

Sample ID: MB106562

Contract:

SAS No.: SDG No.: 203062604

Date Extracted: 06/27/03

Date Analyzed (2): Time (2):

Instrument ID (2):

GC Column (2): ID: (mm)

Prep Batch: 259264 Analytical Batch: 259316

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATE ANALYZED	TIME ANALYZED
1.	LCS106563	106563	06/28/03	1325		
2.	LCSD106564	106564	06/28/03	1355		
3.	REAC-0003-0002	20306260401	06/28/03	1919		
4.	RECV-0001-0002	20306260402	06/28/03	1948		
5.	IGNT-0003-0003	20306260403	06/28/03	2018		
6.	PEST-0003-0003	20306260404	06/28/03	2047		
7.	REAC-0003-0003	20306260405	06/28/03	2117		
8.	RECV-0001-0003	20306260406	06/28/03	2146		

2E

WATER PESTICIDE SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203062604

GC Column (1): RTX-1701 ID: .53 (mm) GC Cloumn (2): ID: (mm)

Method: 1311/8081A

	EPA SAMPLE NO.	SMC1 1-(1)	Lo	Hi	F	SMC1 1-(2)	Lo	Hi	F	SMC2 2-(1)	Lo	Hi	F	SMC2 2-(2)	Lo	Hi	F	TOT OUT
1.	REAC-0003-0002	65	45	148						91	34	135						0
2.	RECV-0001-0002	84	45	148						90	34	135						0
3.	IGNT-0003-0003	84	45	148						87	34	135						0
4.	PEST-0003-0003	98	45	148						99	34	135						0
5.	REAC-0003-0003	72	45	148						87	34	135						0
6.	RECV-0001-0003	113	45	148						173	34	135	*					1
7.	MB106562	87	45	148						44	34	135						0
8.	LCS106563	78	45	148						64	34	135						0
9.	LCSD106564	63	45	148						77	34	135						0

SMC 1 : Tetrachloro-m-xylene SMC 2 : Decachlorobiphenyl

Column to be used to flag recovery limits

* Value outside of contract required limits

D Surrogate diluted out

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-1701 ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 259264 Analytical Batch: 259316

Sample ID: MB106562

Contract:

SAS No.: SDG No.: 203062604

Lab Sample ID: 106562

Date Collected: Time:

Date Received:

Date Extracted: 06/27/03

Date Analyzed: 06/28/03 Time: 1256

Dilution Factor: 1 Analyst: DLB

Prep Method: 3510C

Analytical Method: 1311/8081A

Sulfur Cleanup: (Y/N) N Instrument ID: GCS3A

CONCENTRATION UNITS: mg/L

Lab File ID: 2030628/SV3005

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
57-74-9	Chlordane	0.02500	U	0.00016	0.02500
72-20-8	Endrin	0.00100	U	0.00013	0.00100
76-44-8	Heptachlor	0.00050	U	0.00008	0.00050
1024-57-3	Heptachlor epoxide	0.00050	U	0.00010	0.00050
72-43-5	Methoxychlor	0.02500	U	0.00065	0.02500
8001-35-2	Toxaphene	0.25000	U	0.00050	0.25000
58-89-9	gamma-BHC (Lindane)	0.00050	U	0.00006	0.00050

Batch Sample Worklist
Gulf Coast Analytical Laboratories, Inc.

Queue: INPR Inorganic Prep Reactive Cn **QC Rule:** CNR_W_EX **Status:** NA **Other Criteria:**

Batch: 2341 **HBN:** 259179 **Analyst:** Obbie Tillotson **Created Date:** 6/26/03 10:28

Pos	Lab ID	Type	CC	DILUTION	Analyte List	WO	HSN	Due Date	Expire Date	HISTORY	Sample ID	Hazard	Original HSN
1	106193	MB	OK		CNR_W_EX		1E+05	6/27/03	7/10/03 10:28	N/A	MB for HBN 259179 [INPR/2341]	N	
											PH CHECK		
2	106194	LCS	OK		CNR_W_EX		1E+05	6/27/03	7/10/03 10:28	N/A	LCS for HBN 259179 [INPR/2341]	N	
											PH CHECK		
3	[redacted]	SAMPLE	OK		CNR_W_EX	203062602	1E+05	6/27/03	7/8/03 11:00	1	IGNT-0003-0001	N	
											PH CHECK		
4	[redacted]	DUP	OK		CNR_W_EX		1E+05	6/26/03	7/8/03 11:00	N/A	IGNT-0003-0001(106073DUP)	N	106073
											PH CHECK		
5	[redacted]	SAMPLE	OK		CNR_W_EX	203062602	1E+05	6/27/03	7/8/03 11:30	1	PEST-0003-0001	N	
											PH CHECK		
6	[redacted]	SAMPLE	OK		CNR_W_EX	203062602	1E+05	6/27/03	7/8/03 12:00	1	REAC-0003-0001	N	
											PH CHECK		
7	[redacted]	SAMPLE	OK		CNR_W_EX	203062602	1E+05	6/27/03	7/8/03 12:30	1	RECV-0001-0001	N	
											PH CHECK		
8	[redacted]	SAMPLE	OK		CNR_W_EX	203062602	1E+05	6/27/03	7/8/03 14:30	1	IGNT-0003-0002	N	
											PH CHECK		
9	[redacted]	SAMPLE	OK		CNR_W_EX	203062602	1E+05	6/27/03	7/8/03 15:00	1	PEST-0003-0002	N	
											PH CHECK		
10	20306260401	SAMPLE	OK		CNR_W_EX	203062604	1E+05	6/30/03	7/9/03 7:30	1	REAC-0003-0002	N	
											PH CHECK		
11	20306260402	SAMPLE	OK		CNR_W_EX	203062604	1E+05	6/30/03	7/9/03 8:00	1	RECV-0001-0002	N	
											PH CHECK		

000096

Batch Sample Worklist

Gulf Coast Analytical Laboratories, Inc.

Queue: INPR Inorganic Prep **QC Rule:** CNR_W_EX **Status:** NA **Other Criteria:**

Batch: 2341 **HBN:** 259179 **Analyst:** Obbie Tillotson **Created Date:** 6/26/03 10:28

Pos	Lab ID	Type	CC	DILUTION	Analyte List	WO	HSN	Due Date	Expire Date	HISTORY	Sample ID	Hazard	Original HSN
12	20306260403	SAMPLE	OK		CNR_W_EX	203062604	1E+05	6/30/03	7/9/03 10:00	1	IGNT-0003-0003	N	
											PH CHECK		
13	20306260404	SAMPLE	OK		CNR_W_EX	203062604	1E+05	6/30/03	7/9/03 10:30	1	PEST-0003-0003	N	
											PH CHECK		
14	20306260405	SAMPLE	OK		CNR_W_EX	203062604	1E+05	6/30/03	7/9/03 11:00	1	REAC-0003-0003	N	
											PH CHECK		
15	20306260406	SAMPLE	OK		CNR_W_EX	203062604	1E+05	6/30/03	7/9/03 11:15	1	RECV-0001-0003	N	
											PH CHECK		

000097

Batch Sample Worklist

Gulf Coast Analytical Laboratories, Inc.

Queue: INPR Inorganic Prep Reactive 5 **QC Rule:** SR_W_EX **Status:** NA **Other Criteria:**

Batch: 2342 **HBN:** 259180 **Analyst:** Obbie Tillotson **Created Date:** 6/26/03 10:30

Pos	Lab ID	Type	CC	DILUTION	Analyte List	WO	HSN	Due Date	Expire Date	HISTORY	Sample ID	Hazard	Original HSN
1	106203	MB	OK		SR_W_EX		1E+05	6/27/03	12/23/03 10:30	N/A	MB for HBN 259180 [INPR/2342]	N	
											PH CHECK		
2	106204	LCS	OK		SR_W_EX		1E+05	6/27/03	12/23/03 10:30	N/A	LCS for HBN 259180 [INPR/2342]	N	
											PH CHECK		
3	[redacted]	SAMPLE	OK		SR_W_EX	203062602	1E+05	6/27/03	12/21/03 11:00	1	IGNT-0003-0001	N	
											PH CHECK		
4	[redacted]	DUP	OK		SR_W_EX		1E+05	6/26/03	12/21/03 11:00	N/A	IGNT-0003-0001(106073DUP)	N	106073
											PH CHECK		
5	[redacted]	SAMPLE	OK		SR_W_EX	203062602	1E+05	6/27/03	12/21/03 11:30	1	PEST-0003-0001	N	
											PH CHECK		
6	[redacted]	SAMPLE	OK		SR_W_EX	203062602	1E+05	6/27/03	12/21/03 12:00	1	REAC-0003-0001	N	
											PH CHECK		
7	[redacted]	SAMPLE	OK		SR_W_EX	203062602	1E+05	6/27/03	12/21/03 12:30	1	RECV-0001-0001	N	
											PH CHECK		
8	[redacted]	SAMPLE	OK		SR_W_EX	203062602	1E+05	6/27/03	12/21/03 14:30	1	IGNT-0003-0002	N	
											PH CHECK		
9	[redacted]	SAMPLE	OK		SR_W_EX	203062602	1E+05	6/27/03	12/21/03 15:00	1	PEST-0003-0002	N	
											PH CHECK		
10	20306260401	SAMPLE	OK		SR_W_EX	203062604	1E+05	6/30/03	12/22/03 7:30	1	REAC-0003-0002	N	
											PH CHECK		
11	20306260402	SAMPLE	OK		SR_W_EX	203062604	1E+05	6/30/03	12/22/03 8:00	1	RECV-0001-0002	N	
											PH CHECK		

000098

Batch Sample Worklist
Gulf Coast Analytical Laboratories, Inc.

Queue: INPR Inorganic Prep QC Rule: SR_W_EX Status: NA Other Criteria:

Batch: 2342 HBN: 259180 Analyst: Obbie Tillotson Created Date: 6/26/03 10:30

Pos	Lab ID	Type	CC	DILUTION	Analyte List	WO	HSN	Due Date	Expire Date	HISTORY	Sample ID	Hazard	Original HSN
12	20306260403	SAMPLE	OK		SR_W_EX	203062604	1E+05	6/30/03	12/22/03 10:00	1	IGNT-0003-0003	N	
											PH CHECK		
13	20306260404	SAMPLE	OK		SR_W_EX	203062604	1E+05	6/30/03	12/22/03 10:30	1	PEST-0003-0003	N	
											PH CHECK		
14	20306260405	SAMPLE	OK		SR_W_EX	203062604	1E+05	6/30/03	12/22/03 11:00	1	REAC-0003-0003	N	
											PH CHECK		
15	20306260406	SAMPLE	OK		SR_W_EX	203062604	1E+05	6/30/03	12/22/03 11:15	1	RECV-0001-0003	N	
											PH CHECK		

000099

Batch Sample Worklist

Gulf Coast Analytical Laboratories, Inc.

Queue: TOC Total Organic Carbon (TOC) QC Rule: TOC_W Status: RE Other Criteria:

Batch: 1688 HBN: 259211 Analyst: Bessie Claiborne Created Date: 6/26/03 16:21

Pos	Lab ID	Type	CC	DILUTION	Analyte List	WO	HSN	Due Date	Expire Date	HISTORY	Sample ID	Hazard	Original HSN
1	20306260401	SAMPLE	OK		TOC_W	203062604	1E+05	7/2/03	7/23/03 7:30	1	REAC-0003-0002	N	
											PH CHECK		
2	20306260402	SAMPLE	OK		TOC_W	203062604	1E+05	7/2/03	7/23/03 8:00	1	RECV-0001-0002	N	
											PH CHECK		
3	20306260403	SAMPLE	OK		TOC_W	203062604	1E+05	7/2/03	7/23/03 10:00	1	IGNT-0003-0003	N	
											PH CHECK		
4	106347	MB	OK		TOC_W_QC		1E+05	7/1/03	7/24/03 16:21	N/A	MB for HBN 259211 [TOC/1688]	N	
											PH CHECK		
5	106348	LCS	OK		TOC_W_QC		1E+05	7/1/03	7/24/03 16:21	N/A	LCS for HBN 259211 [TOC/1688]	N	
											PH CHECK		
6	20306260405	SAMPLE	OK		TOC_W	203062604	1E+05	7/2/03	7/23/03 11:00	1	REAC-0003-0003	N	
											PH CHECK		
7	20306260406	SAMPLE	OK		TOC_W	203062604	1E+05	7/2/03	7/23/03 11:15	1	RECV-0001-0003	N	
											PH CHECK		
8	[redacted]01	SAMPLE	OK		TOC_W	203062613	1E+05	7/2/03	7/21/03 7:00	1	Outfall 002	N	
											PH CHECK		
9	[redacted]01	SAMPLE	OK		TOC_W	203062614	1E+05	7/2/03	7/24/03 7:35	1	DRINKING WATER	N	
											PH CHECK		
10	[redacted]	SAMPLE	OK		TOC_W	203062616	1E+05	7/1/03	7/23/03 15:09	1	OUTFALL 004	N	
											PH CHECK		
11	[redacted]	SAMPLE	OK		TOC_W V	203062617	1E+05	7/2/03	7/24/03 8:20	1	001 MAJOR	N	
											PH CHECK		
12	[redacted]	DUP	OK		TOC_W_QC		1E+05	7/1/03	7/24/03 8:20	N/A	001 MAJOR(106278DUP)	N	106278
											PH CHECK		

000100

Batch Sample Worklist

Gulf Coast Analytical Laboratories, Inc.

Queue: TOC Total Organic Carbon (TOC) **QC Rule:** TOC_W **Status:** RE **Other Criteria:**

Batch: 1688 **HBN:** 259211 **Analyst:** Bessie Claiborne **Created Date:** 6/26/03 16:21

Pos	Lab ID	Type	CC	DILUTION	Analyte List	WO	HSN	Due Date	Expire Date	HISTORY	Sample ID	Hazard	Original HSN
13	[redacted]	MS	OK		TOC_W_QC		1E+05	7/1/03	7/24/03 8:20	N/A	001 MAJOR(106278MS)	N	106278
											PH CHECK		
14	[redacted]	SAMPLE	OK		TOC_W	203062616	1E+05	7/1/03	7/23/03 16:54	1	EPA-008	N	
											PH CHECK		
15	[redacted]	SAMPLE	OK		TOC_W	203062619	1E+05	7/2/03	7/23/03 13:30	1	OUTFALL 001	N	
											PH CHECK		
16	[redacted]	SAMPLE	OK		TOC_W	203062620	1E+05	6/30/03	7/23/03 4:00	5	FEED TO ELECT	N	
											PH CHECK		
17	[redacted]	SAMPLE	OK		TOC_W	203062620	1E+05	6/30/03	7/23/03 4:00	5	RAW BRINE	N	
											PH CHECK		
18	[redacted]	SAMPLE	OK		TOC_W	203062626	1E+05	7/2/03	7/23/03 4:08	1	TWB-D-2988, 002A	N	
											PH CHECK		
19	20306260404	SAMPLE	OK		TOC_W	203062604	1E+05	7/2/03	7/23/03 10:30	1	PEST-0003-0003	N	
											PH CHECK		
20	[redacted]	DUP	OK		TOC_W_QC		1E+05	7/1/03	7/23/03 10:30	N/A	PEST-0003-0003(106104DUP)	N	106104
											PH CHECK		
21	[redacted]	MS	OK		TOC_W_QC		1E+05	7/1/03	7/23/03 10:30	N/A	PEST-0003-0003(106104MS)	N	106104
											PH CHECK		

000101

Batch Sample Worklist

Gulf Coast Analytical Laboratories, Inc.

Total Organic Halides

Queue: TOC Total Organic Carbon (TOC) QC Rule: TOX_W Status: RE Other Criteria:

Batch: 1698 HBN: 259634 Analyst: Shelley Bourgeois Created Date: 7/8/03 10:59

Pos	Lab ID	Type	CC	DILUTION	Analyte List	WO	HSN	Due Date	Expire Date	HISTORY	Sample ID	Hazard	Original HSN
1	107681	MB	OK		TOX_W		1E+05	7/11/03	8/5/03 10:59	N/A	MB for HBN 259634 [TOC/1698]	N	
											PH CHECK		
2	107682	LCS	OK		TOX_W		1E+05	7/11/03	8/5/03 10:59	N/A	LCS for HBN 259634 [TOC/1698]	N	
											PH CHECK		
3	20306260401	SAMPLE	OK		TOX_W	203062604	1E+05	7/2/03	7/23/03 7:30	1	REAC-0003-0002	N	
											PH CHECK		
4	107683	DUP	OK		TOX_W		1E+05	7/1/03	7/23/03 7:30	N/A	REAC-0003-0002(106101DUP)	N	106101
											PH CHECK		
5	107684	MS	OK		TOX_W		1E+05	7/1/03	7/23/03 7:30	N/A	REAC-0003-0002(106101MS)	N	106101
											PH CHECK		
6	20306260403	SAMPLE	OK		TOX_W	203062604	1E+05	7/2/03	7/23/03 10:00	1	IGNT-0003-0003	N	
											PH CHECK		
7	20306260402	SAMPLE	OK		TOX_W	203062604	1E+05	7/2/03	7/23/03 8:00	1	RECV-0001-0002	N	
											PH CHECK		
8	20306260404	SAMPLE	OK		TOX_W	203062604	1E+05	7/2/03	7/23/03 10:30	1	PEST-0003-0003	N	
											PH CHECK		
9	20306260405	SAMPLE	OK		TOX_W	203062604	1E+05	7/2/03	7/23/03 11:00	1	REAC-0003-0003	N	
											PH CHECK		
10	[redacted]	SAMPLE	OK		TOX_W	203062602	1E+05	7/1/03	7/22/03 11:00	1	IGNT-0003-0001	N	
											PH CHECK		
11	[redacted]	SAMPLE	OK		TOX_W	203062602	1E+05	7/1/03	7/22/03 11:30	1	PEST-0003-0001	N	
											PH CHECK		

000102

Batch Sample Worklist

Gulf Coast Analytical Laboratories, Inc.

Total Organic Halide

Queue: TOC Total Organic Carbon (TOC) QC Rule: TOX_W Status: RE Other Criteria:

Batch: 1698 HBN: 259634 Analyst: Shelley Bourgeois Created Date: 7/8/03 10:59

Pos	Lab ID	Type	CC	DILUTION	Analyte List	WO	HSN	Due Date	Expire Date	HISTORY	Sample ID	Hazard	Original HSN
12	20306260406	SAMPLE	OK		TOX_W	203062604	1E+05	7/2/03	7/23/03 11:15	1	RECV-0001-0003	N	
13	[redacted]	SAMPLE	OK		TOX_W	203062602	1E+05	7/1/03	7/22/03 12:00	1	PH CHECK / REAC-0003-0001	N	
14	[redacted]	SAMPLE	OK		TOX_W	203062602	1E+05	7/1/03	7/22/03 12:30	1	PH CHECK / RECV-0001-0001	N	
15	[redacted]	SAMPLE	OK		TOX_W	203062602	1E+05	7/1/03	7/22/03 14:30	1	PH CHECK / IGNT-0003-0002	N	
16	[redacted]	SAMPLE	OK		TOX_W	203062602	1E+05	7/1/03	7/22/03 15:00	1	PH CHECK / PEST-0003-0002	N	
17	[redacted]	SAMPLE	OK		TOX_W	203070118	1E+05	7/7/03	7/29/03 10:30	1	PH CHECK / INJECTION WELL COMPOSITE	N	
18	[redacted]	SAMPLE			TOX_W	203070329	1E+05	7/9/03	7/30/03 10:20	2	PH CHECK / MW-25 (1)	N	
19	[redacted]	SAMPLE			TOX_W	203070329	1E+05	7/9/03	7/30/03 10:20	2	PH CHECK / MW-25 (2)	N	
20	[redacted]	SAMPLE			TOX_W	203070329	1E+05	7/9/03	7/30/03 10:20	2	PH CHECK / MW-25 (3)	N	
21	[redacted]	SAMPLE			TOX_W	203070329	1E+05	7/9/03	7/30/03 10:20	2	PH CHECK / MW-25 (4)	N	
22	[redacted]	SAMPLE			TOX_W	203070329	1E+05	7/9/03	7/30/03 11:15	2	PH CHECK / MW-26 (1)	N	
23	[redacted]	SAMPLE			TOX_W	203070329	1E+05	7/9/03	7/30/03 11:15	2	PH CHECK / MW-26 (2)	N	
											PH CHECK		

000103

QUALITY CONTROL SUMMARY

LCS ID: 106194 ORIGINAL LAB ID: PREP BATCH: 259179
MATRIX Water ANALYTICAL BATCH: 259203

9012A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
57-12-5R	Reactivity Cyanide	250 mg/L	49.2	20	1 - 20

[redacted] ORIGINAL LAB ID: 20306260201 PREP BATCH: 259179
MATRIX Water ANALYTICAL BATCH: 259203

9012A

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
57-12-5R	Reactivity Cyanide	0	0	0	0 - 25

LCS ID: 106348 ORIGINAL LAB ID: PREP BATCH:
MATRIX Water ANALYTICAL BATCH: 259211

EPA 5310 B (TOC)

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
C-012	Total Organic Carbon	50 mg/L	50.2	100	80 - 120

[redacted] ORIGINAL LAB ID: 20306261701 PREP BATCH:
MATRIX Water ANALYTICAL BATCH: 259211

EPA 5310 B (TOC)

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
C-012	Total Organic Carbon	12.1	12.3	2	0 - 25

[redacted] ORIGINAL LAB ID: 20306261701 PREP BATCH:
MATRIX Water ANALYTICAL BATCH: 259211

EPA 5310 B (TOC)

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
C-012	Total Organic Carbon	12.1	50 mg/L	64.8	105	75 - 125

[redacted] ORIGINAL LAB ID: 20306260404 PREP BATCH:
MATRIX Water ANALYTICAL BATCH: 259211

EPA 5310 B (TOC)

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
C-012	Total Organic Carbon	0	1.1	200 *	0 - 25

[redacted] ORIGINAL LAB ID: 20306260404 PREP BATCH:
MATRIX Water ANALYTICAL BATCH: 259211

EPA 5310 B (TOC)

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
C-012	Total Organic Carbon	0	50 mg/L	50	100	75 - 125

QUALITY CONTROL SUMMARY

[redacted] ORIGINAL LAB ID: 20306250208 PREP BATCH:
MATRIX Water ANALYTICAL BATCH: 259212

4500 H+B

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
pH	pH	7.29	7.32	0.4	0 - 6

LCS ID: 106204 ORIGINAL LAB ID: PREP BATCH: 259180
MATRIX Water ANALYTICAL BATCH: 259254

9034

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
18496-25-8R	Reactivity Sulfide	1000 mg/L	577	57.7	26 - 114

[redacted] ORIGINAL LAB ID: 20306260201 PREP BATCH: 259180
MATRIX Water ANALYTICAL BATCH: 259254

9034

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
18496-25-8R	Reactivity Sulfide	0	0	0	0 - 25

LCS ID: 107662 ORIGINAL LAB ID: PREP BATCH:
MATRIX Water ANALYTICAL BATCH: 259634

9020B

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
59473-04-0	Total Organic Halides	53.9 ug/L	53.1	98.6	89.5 - 110.5

[redacted] ORIGINAL LAB ID: 20306260401 PREP BATCH:
MATRIX Water ANALYTICAL BATCH: 259634

9020B

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
59473-04-0	Total Organic Halides	86.5	74.1	15.4	0 - 25

[redacted] ORIGINAL LAB ID: 20306260401 PREP BATCH:
MATRIX Water ANALYTICAL BATCH: 259634

9020B

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
59473-04-0	Total Organic Halides	86.5	200 ug/L	263	88.2	75 - 125

PREPARATION LOG

Lab Name: GCAL

Sample ID:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203062604

Method: 3010A

Method Type: P

EPA Sample No.	Preparation Date	Weight	Units	Volume	Units
IGNT-0003-0001DUP	06/27/03			50	mL
IGNT-0003-0001MS	06/27/03			50	mL
IGNT-0003-0003	06/27/03			50	mL
LCS106437	06/27/03			50	mL
MB106436	06/27/03			50	mL
PEST-0003-0003	06/27/03			50	mL
REAC-0003-0002	06/27/03			50	mL
REAC-0003-0003	06/27/03			50	mL
RECV-0001-0002	06/27/03			50	mL
RECV-0001-0003	06/27/03			50	mL

LABORATORY CONTROL SAMPLE

Lab Name: GCAL

Sample ID: LCS106437

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203062604

Lab Sample ID: 106437

LCS Source: 334-13-17 INORGANIC VENTURES

Analyte	True	Found	% R	LL	UL	Units	Method	Type
Arsenic	1.00	1.14	114	80	120	mg/L	SW-846 1311/6010B	P
Barium	1.00	1.10	110	80	120	mg/L	SW-846 1311/6010B	P
Cadmium	1.00	1.11	111	80	120	mg/L	SW-846 1311/6010B	P
Chromium	1.00	1.10	110	80	120	mg/L	SW-846 1311/6010B	P
Lead	1.00	1.10	110	80	120	mg/L	SW-846 1311/6010B	P
Selenium	1.00	1.13	113	80	120	mg/L	SW-846 1311/6010B	P
Silver	1.00	1.10	110	80	120	mg/L	SW-846 1311/6010B	P

FORM VII - IN

PREPARATION LOG

Lab Name: GCAL

Sample ID:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203062604

Method: SW-846 7470A

Method Type: AV

EPA Sample No.	Preparation Date	Weight	Units	Volume	Units
IGNT-0003-0001DUP	06/27/03			20	mL
IGNT-0003-0001MS	06/27/03			20	mL
IGNT-0003-0003	06/27/03			20	mL
LCS106442	06/27/03			20	mL
MB106441	06/27/03			20	mL
PEST-0003-0003	06/27/03			20	mL
REAC-0003-0002	06/27/03			20	mL
REAC-0003-0003	06/27/03			20	mL
RECV-0001-0002	06/27/03			20	mL
RECV-0001-0003	06/27/03			20	mL

LABORATORY CONTROL SAMPLE

Lab Name: GCAL

Sample ID: LCS106442

Lab Code: LA024

Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.:

SDG No.: 203062604

Lab Sample ID: 106442

LCS Source: 106-15-6 EXAXOL

Analyte	True	Found	% R	LL	UL	Units	Method	Type
Mercury	0.00500	0.00436	87	80	120	mg/L	SW-846 1311/7470A	AV

FORM VII - IN

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

MB106594

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.:

SDG No.: 203062604

Lab File ID: 2030628/S4458

GC Column: DB-624-30M ID: .53 (mm)

Lab Sample ID: 106594

Date Extracted:

Instrument ID: MSV0 Matrix: Water

Date Analyzed: 06/28/03 Time: 1242

Level: LOW

Heated Purge: N

Prep Batch:

Analytical Batch: 259279

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS106593	106593	2030628/S4455	06/28/03	1100
2.	LCSD106609	106609	2030628/S4456	06/28/03	1121
3.	REAC-0003-0002	20306260401	2030628/S4465	06/28/03	1539
4.	RECV-0001-0002	20306260402	2030628/S4466	06/28/03	1600
5.	IGNT-0003-0003	20306260403	2030628/S4467	06/28/03	1622
6.	PEST-0003-0003	20306260404	2030628/S4468	06/28/03	1643
7.	REAC-0003-0003	20306260405	2030628/S4469	06/28/03	1705
8.	RECV-0001-0003	20306260406	2030628/S4473	06/28/03	1831

3A

WATER VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203062604

Analytical Batch: 259279

SAMPLE NO. : *106593*

COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS % REC	#	QC. LIMITS
1,1-Dichloroethene	mg/L	.025	0	.03	121		67 - 140
1,2-Dichloroethane	mg/L	.025	0	.027	106		79 - 134
2-Butanone	mg/L	.025	0	.026	102		59 - 157
Benzene	mg/L	.025	0	.026	105		74 - 128
Carbon tetrachloride	mg/L	.025	0	.028	112		70 - 140
Chlorobenzene	mg/L	.025	0	.025	102		78 - 125
Chloroform	mg/L	.025	0	.026	104		80 - 124
Tetrachloroethene	mg/L	.025	0	.027	106		75 - 140
Trichloroethene	mg/L	.025	0	.025	102		63 - 118
Vinyl chloride	mg/L	.025	0	.029	114		68 - 127

SAMPLE NO. : *106609*

COMPOUND	UNITS	SPIKE ADDED	LCSD CONC.	LCSD % REC	#	% RPD	#	QC. LIMITS REC	QC. LIMITS RPD
1,1-Dichloroethene	mg/L	.025	.026	106		14		67 - 140	0 - 14
1,2-Dichloroethane	mg/L	.025	.026	105		4		79 - 134	0 - 30
2-Butanone	mg/L	.025	.026	102		0		59 - 157	0 - 30
Benzene	mg/L	.025	.026	102		0		74 - 128	0 - 11
Carbon tetrachloride	mg/L	.025	.027	109		4		70 - 140	0 - 30
Chlorobenzene	mg/L	.025	.025	98		0		78 - 125	0 - 13
Chloroform	mg/L	.025	.026	102		0		80 - 124	0 - 14
Tetrachloroethene	mg/L	.025	.025	99		8		75 - 140	0 - 14
Trichloroethene	mg/L	.025	.024	96		4		63 - 118	0 - 14
Vinyl chloride	mg/L	.025	.027	108		7		68 - 127	0 - 30

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 out of 10 outside limits

Spike Recovery: 0 out of 20 outside limits

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: GCAL

Lab Code: LA024 Case No.:

Lab File ID: 2030630P/A7649

GC Column: DB-5MS-30M ID: .25 (mm)

Instrument ID: MSSV1 Matrix: Water

Level: LOW

Sample ID: MB106360

Contract:

SAS No.: SDG No.: 203062604

Lab Sample ID: 106360 Date Extracted: 06/26/03

Date Analyzed: 06/30/03 Time: 1753

Method: 1311/8270C

Prep Batch: 259220 Analytical Batch: 259349

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS106364	106364	2030630P/A7650	06/30/03	1816
2.	REAC-0003-0002	20306260401	2030630P/A7659	06/30/03	2146
3.	RECV-0001-0002	20306260402	2030630P/A7660	06/30/03	2209
4.	IGNT-0003-0003	20306260403	2030630P/A7661	06/30/03	2233
5.	PEST-0003-0003	20306260404	2030630P/A7662	06/30/03	2257
6.	REAC-0003-0003	20306260405	2030630P/A7663	06/30/03	2320
7.	RECV-0001-0003	20306260406	2030630P/A7664	06/30/03	2343

3C

WATER SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203062604

Contract: Method: 1311/8270C

Prep Batch: 259220 Analytical Batch.: 259349

Spike HSN : 106364

COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS % REC	REC FLAG	QC. LIMITS
1,4-Dichlorobenzene	mg/L	.1	0	.09	90		40 - 122
2,4,5-Trichlorophenol	mg/L	.1	0	.102	102		45 - 135
2,4,6-Trichlorophenol	mg/L	.1	0	.099	99		45 - 135
2,4-Dinitrotoluene	mg/L	.1	0	.106	106		60 - 124
Hexachlorobenzene	mg/L	.1	0	.092	92		60 - 120
Hexachlorobutadiene	mg/L	.1	0	.092	92		38 - 94
Hexachloroethane	mg/L	.1	0	.086	86		45 - 135
Nitrobenzene	mg/L	.1	0	.089	89		60 - 120
Pentachlorophenol	mg/L	.1	0	.082	82		31 - 128
Pyridine	mg/L	.1	0	.086	86		30 - 150
m,p-Cresol	mg/L	.1	0	.081	81		30 - 150
o-Cresol	mg/L	.1	0	.082	82		30 - 150

Spike Dupe HSN :

COMPOUND	UNITS	SPIKE ADDED	LCSD CONC.	LCSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD

RPD : 0 out of 0 outside limits

Spike Recovery: 0 out of 12 outside limits

4C

ORGANIC METHOD BLANK SUMMARY

Lab Name: GCAL

Lab Code: LA024 Case No.:

Lab Sample ID: 106562

Matrix: Water Sulfur Cleanup: (Y/N) N

Date Analyzed (1): 06/28/03 Time (1): 1256

Instrument ID (1): GCS3A

GC Column (1): RTX-1701 ID: .53 (mm)

Method: 1311/8081A

Lab File ID: 2030628/SV3005

Sample ID: MB106562

Contract:

SAS No.: SDG No.: 203062604

Date Extracted: 06/27/03

Date Analyzed (2): Time (2):

Instrument ID (2):

GC Column (2): ID: (mm)

Prep Batch: 259264 Analytical Batch: 259316

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATE ANALYZED	TIME ANALYZED
1.	LCS106563	106563	06/28/03	1325		
2.	LCSD106564	106564	06/28/03	1355		
3.	REAC-0003-0002	20306260401	06/28/03	1919		
4.	RECV-0001-0002	20306260402	06/28/03	1948		
5.	IGNT-0003-0003	20306260403	06/28/03	2018		
6.	PEST-0003-0003	20306260404	06/28/03	2047		
7.	REAC-0003-0003	20306260405	06/28/03	2117		
8.	RECV-0001-0003	20306260406	06/28/03	2146		

3E

WATER ORGANICS LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203062604

Contract: Method: 1311/8081A

SAMPLE NO : 106563

COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS % REC	LCS % REC FLAG	QC. LIMITS
Endrin	mg/L	.0005	0	.00046	93		53 - 168
Heptachlor	mg/L	.0005	0	.00041	82		51 - 152
Heptachlor epoxide	mg/L	.0005	0	.00048	96		56 - 147
Methoxychlor	mg/L	.0005	0	.00067	134		29 - 179
gamma-BHC (Lindane)	mg/L	.0005	0	.0005	100		37 - 143

SAMPLE NO : 106564

COMPOUND	UNITS	SPIKE ADDED	LCSD CONC.	LCSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
Endrin	mg/L	.0005	.0004	79		14		53 - 168	0 - 40
Heptachlor	mg/L	.0005	.00036	72		13		51 - 152	0 - 40
Heptachlor epoxide	mg/L	.0005	.0004	79		18		56 - 147	0 - 40
Methoxychlor	mg/L	.0005	.00051	101		27		29 - 179	0 - 40
gamma-BHC (Lindane)	mg/L	.0005	.00041	82		20		37 - 143	0 - 40

RPD : 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

QUALITY CONTROL SUMMARY

[redacted] ORIGINAL LAB ID: PREP BATCH: 259179
MATRIX Water ANALYTICAL BATCH: 259203

9012A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
57-12-5R	Reactivity Cyanide	250 mg/L	49.2	20	1 - 20

[redacted] ORIGINAL LAB ID: 20306260201 PREP BATCH: 259179
MATRIX Water ANALYTICAL BATCH: 259203

9012A

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
57-12-5R	Reactivity Cyanide	0	0	0	0 - 25

[redacted] ORIGINAL LAB ID: PREP BATCH:
MATRIX Water ANALYTICAL BATCH: 259211

EPA 5310 B (TOC)

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
C-012	Total Organic Carbon	50 mg/L	50.2	100	80 - 120

[redacted] ORIGINAL LAB ID: 20306261701 PREP BATCH:
MATRIX Water ANALYTICAL BATCH: 259211

EPA 5310 B (TOC)

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
C-012	Total Organic Carbon	12.1	12.3	2	0 - 25

MS LAB ID: 106350 ORIGINAL LAB ID: 20306261701 PREP BATCH:
MATRIX Water ANALYTICAL BATCH: 259211

EPA 5310 B (TOC)

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
C-012	Total Organic Carbon	12.1	50 mg/L	64.8	105	75 - 125

[redacted] ORIGINAL LAB ID: 20306260404 PREP BATCH:
MATRIX Water ANALYTICAL BATCH: 259211

EPA 5310 B (TOC)

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
C-012	Total Organic Carbon	0	1.1	200 *	0 - 25

MS LAB ID: 106430 ORIGINAL LAB ID: 20306260404 PREP BATCH:
MATRIX Water ANALYTICAL BATCH: 259211

EPA 5310 B (TOC)

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
C-012	Total Organic Carbon	0	50 mg/L	50	100	75 - 125

QUALITY CONTROL SUMMARY

[redacted] ORIGINAL LAB ID: 20306250203 PREP BATCH:
MATRIX Water ANALYTICAL BATCH: 259212

4500 H+B

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
pH	pH	7.29	7.32	0.4	0 - 6

[redacted] ORIGINAL LAB ID: PREP BATCH: 259180
MATRIX Water ANALYTICAL BATCH: 259254

9034

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
18496-25-8R	Reactivity Sulfide	1000 mg/L	577	57.7	26 - 114

[redacted] ORIGINAL LAB ID: 20306260201 PREP BATCH: 259180
MATRIX Water ANALYTICAL BATCH: 259254

9034

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
18496-25-8R	Reactivity Sulfide	0	0	0	0 - 25

[redacted] ORIGINAL LAB ID: PREP BATCH:
MATRIX Water ANALYTICAL BATCH: 259634

9020B

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
59473-04-0	Total Organic Halides	53.9 ug/L	53.1	98.6	89.5 - 110.5

[redacted] ORIGINAL LAB ID: 20306260401 PREP BATCH:
MATRIX Water ANALYTICAL BATCH: 259634

9020B

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
59473-04-0	Total Organic Halides	86.5	74.1	15.4	0 - 25

MS LAB ID: 107554 ORIGINAL LAB ID: 20306260401 PREP BATCH:
MATRIX Water ANALYTICAL BATCH: 259634

9020B

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
59473-04-0	Total Organic Halides	86.5	200 ug/L	263	88.2	75 - 125

SPIKE SAMPLE RECOVERY

Lab Name: GCAL

Sample ID: IGNT-0003-0001MS

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203062604

Level: (low / med)

Lab Sample ID: 106439

Orig Lab Sample ID: 20306260201

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Arsenic	75	125	1.16		0	U	1.00	116		mg/L	SW-846 1311/6010B	P
Barium	75	125	1.23		0.13	B	1.00	110		mg/L	SW-846 1311/6010B	P
Cadmium	75	125	1.07		0	U	1.00	107		mg/L	SW-846 1311/6010B	P
Chromium	75	125	1.11		0.024	B	1.00	109		mg/L	SW-846 1311/6010B	P
Lead	75	125	1.08		0	U	1.00	108		mg/L	SW-846 1311/6010B	P
Selenium	75	125	1.14		0.0089	B	1.00	113		mg/L	SW-846 1311/6010B	P
Silver	75	125	1.11		0	U	1.00	111		mg/L	SW-846 1311/6010B	P

SPIKE SAMPLE RECOVERY

Lab Name: GCAL

Sample ID: IGNT-0003-0001MS

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203062604

Level: (low / med)

Lab Sample ID: 106444

Orig Lab Sample ID: 20306260201

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Mercury	75	125	0.00453		0.00016	B	0.00500	87		mg/L	SW-846 1311/7470A	AV

FORM V (PART 1) - IN

3C

WATER SEMIVOLATILE MS/MSD RECOVERY

Lab Name: GCAL | Sample ID: IGNT-0003-0001

Lab Code: LA024 | Case No.: | SAS No.: | SDG No.: 203062604

Contract: | Method: 1311/8270C

Prep Batch: 259220 | Analytical Batch.: 259349

Spike HSN : 106365

COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC	REC FLAG	QC. LIMITS
1,4-Dichlorobenzene	mg/L	.5	0	.452	90		44 - 143
2,4,5-Trichlorophenol	mg/L	.5	0	.496	99		45 - 135
2,4,6-Trichlorophenol	mg/L	.5	0	.495	99		45 - 135
2,4-Dinitrotoluene	mg/L	.5	0	.508	102		61 - 148
Hexachlorobenzene	mg/L	.5	0	.464	93		60 - 120
Hexachlorobutadiene	mg/L	.5	0	.469	94		38 - 94
Hexachloroethane	mg/L	.5	0	.434	87		45 - 135
Nitrobenzene	mg/L	.5	0	.451	90		60 - 120
Pentachlorophenol	mg/L	.5	0	.443	89		37 - 125
Pyridine	mg/L	.5	0	.474	95		30 - 150
m,p-Cresol	mg/L	.5	0	.428	86		30 - 150
o-Cresol	mg/L	.5	0	.444	89		30 - 150

Spike Dupe HSN : 106366

COMPOUND	UNITS	SPIKE ADDED	MSD CONC.	MSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
1,4-Dichlorobenzene	mg/L	.5	.422	84		7		44 - 143	0 - 30
2,4,5-Trichlorophenol	mg/L	.5	.476	95		4		45 - 135	0 - 50
2,4,6-Trichlorophenol	mg/L	.5	.46	92		7		45 - 135	0 - 50
2,4-Dinitrotoluene	mg/L	.5	.527	105		4		61 - 148	0 - 33
Hexachlorobenzene	mg/L	.5	.427	85		8		60 - 120	0 - 50
Hexachlorobutadiene	mg/L	.5	.447	89		5		38 - 94	0 - 50
Hexachloroethane	mg/L	.5	.402	80		8		45 - 135	0 - 50
Nitrobenzene	mg/L	.5	.418	84		8		60 - 120	0 - 50
Pentachlorophenol	mg/L	.5	.434	87		2		37 - 125	0 - 32
Pyridine	mg/L	.5	.444	89		7		30 - 150	0 - 50
m,p-Cresol	mg/L	.5	.397	79		8		30 - 150	0 - 50
o-Cresol	mg/L	.5	.396	79		11		30 - 150	0 - 50

RPD : 0 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

3E

WATER ORGANICS MS/MSD RECOVERY

Lab Name: GCAL

Sample ID: PEST-0003-0001

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203062604

Contract:

Method: 1311/8081A

SAMPLE NO : 106567

COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC	MS % REC FLAG	QC. LIMITS
Endrin	mg/L	.005	0	.00513	103		53 - 168
Heptachlor	mg/L	.005	0	.00451	90		51 - 152
Heptachlor epoxide	mg/L	.005	0	.00506	101		56 - 147
Methoxychlor	mg/L	.005	0	.00557	111		29 - 179
gamma-BHC (Lindane)	mg/L	.005	0	.00505	101		37 - 143

SAMPLE NO : 106568

COMPOUND	UNITS	SPIKE ADDED	MSD CONC.	MSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
Endrin	mg/L	.005	.00502	100		2		53 - 168	0 - 40
Heptachlor	mg/L	.005	.00458	92		2		51 - 152	0 - 40
Heptachlor epoxide	mg/L	.005	.00498	100		2		56 - 147	0 - 40
Methoxychlor	mg/L	.005	.00495	99		12		29 - 179	0 - 40
gamma-BHC (Lindane)	mg/L	.005	.00497	99		2		37 - 143	0 - 40

RPD : 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

QUALITY CONTROL SUMMARY

[redacted] ORIGINAL LAB ID: PREP BATCH: 259179
MATRIX Water ANALYTICAL BATCH: 259203

9012A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
57-12-5R	Reactivity Cyanide	250 mg/L	49.2	20	1 - 20

DUPLICATE SAMPLE ID: 106195 ORIGINAL LAB ID: 20306260201 PREP BATCH: 259179
MATRIX Water ANALYTICAL BATCH: 259203

9012A

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
57-12-5R	Reactivity Cyanide	0	0	0	0 - 25

[redacted] ORIGINAL LAB ID: PREP BATCH:
MATRIX Water ANALYTICAL BATCH: 259211

EPA 5310 B (TOC)

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
C-012	Total Organic Carbon	50 mg/L	50.2	100	80 - 120

DUPLICATE SAMPLE ID: 106349 ORIGINAL LAB ID: 20306261701 PREP BATCH:
MATRIX Water ANALYTICAL BATCH: 259211

EPA 5310 B (TOC)

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
C-012	Total Organic Carbon	12.1	12.3	2	0 - 25

[redacted] ORIGINAL LAB ID: 20306261701 PREP BATCH:
MATRIX Water ANALYTICAL BATCH: 259211

EPA 5310 B (TOC)

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
C-012	Total Organic Carbon	12.1	50 mg/L	64.8	105	75 - 125

DUPLICATE SAMPLE ID: 106429 ORIGINAL LAB ID: 20306260404 PREP BATCH:
MATRIX Water ANALYTICAL BATCH: 259211

EPA 5310 B (TOC)

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
C-012	Total Organic Carbon	0	1.1	200 *	0 - 25

[redacted] ORIGINAL LAB ID: 20306260404 PREP BATCH:
MATRIX Water ANALYTICAL BATCH: 259211

EPA 5310 B (TOC)

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
C-012	Total Organic Carbon	0	50 mg/L	50	100	75 - 125

QUALITY CONTROL SUMMARY

DUPLICATE SAMPLE ID: 106351 | ORIGINAL LAB ID: 20306250208 | PREP BATCH: | MATRIX Water | ANALYTICAL BATCH: 259212

4500 H+B

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
pH	pH	7.29	7.32	0.4	0 - 6

[redacted] | ORIGINAL LAB ID: | PREP BATCH: 259180 | MATRIX Water | ANALYTICAL BATCH: 259254

9034

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
18496-25-8R	Reactivity Sulfide	1000 mg/L	577	57.7	26 - 114

DUPLICATE SAMPLE ID: 106205 | ORIGINAL LAB ID: 20306250201 | PREP BATCH: 259180 | MATRIX Water | ANALYTICAL BATCH: 259254

9034

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
18496-25-8R	Reactivity Sulfide	0	0	0	0 - 25

[redacted] | ORIGINAL LAB ID: | PREP BATCH: | MATRIX Water | ANALYTICAL BATCH: 259634

9020B

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
59473-04-0	Total Organic Halides	53.9 ug/L	53.1	98.6	89.5 - 110.5

DUPLICATE SAMPLE ID: 107663 | ORIGINAL LAB ID: 20306260401 | PREP BATCH: | MATRIX Water | ANALYTICAL BATCH: 259634

9020B

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
59473-04-0	Total Organic Halides	86.5	74.1	15.4	0 - 25

[redacted] | ORIGINAL LAB ID: 20306260401 | PREP BATCH: | MATRIX Water | ANALYTICAL BATCH: 259634

9020B

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
59473-04-0	Total Organic Halides	86.5	200 ug/L	263	88.2	75 - 125

DUPLICATES

Lab Name: GCAL

Sample ID: IGNT-0003-0001DUP

Lab Code: LA024

Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.:

SDG No.: 203062604

% Solids for Sample:

Level: (low / med)

% Solids for Duplicate:

Lab Sample ID: 106438

Analyte	LL	UL	Sample	C	Duplicate	C	RPD	Q	Units	Method	Type
Arsenic	0	20	0	U	0	U	0		mg/L	SW-846 1311/6010B	P
Barium	0	20	0.13	B	0.12	B	8		mg/L	SW-846 1311/6010B	P
Cadmium	0	20	0	U	0	U	0		mg/L	SW-846 1311/6010B	P
Chromium	0	20	0.024	B	0.024	B	0		mg/L	SW-846 1311/6010B	P
Lead	0	20	0	U	0	U	0		mg/L	SW-846 1311/6010B	P
Selenium	0	20	0.0089	B	0	U	200	*	mg/L	SW-846 1311/6010B	P
Silver	0	20	0	U	0	U	0		mg/L	SW-846 1311/6010B	P

FORM VI - IN

DUPLICATES

Lab Name: GCAL

Sample ID: IGNT-0003-0001DUP

Lab Code: LA024

Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.:

SDG No.: 203062604

% Solids for Sample:

Level: (low / med)

% Solids for Duplicate:

Lab Sample ID: 106443

Analyte	LL	UL	Sample	C	Duplicate	C	RPD	Q	Units	Method	Type
Mercury	0	20	0.00016	B	0.00013	B	21	*	mg/L	SW-846 1311/7470A	AV

FORM VI - IN

APPENDIX B

Sample Collection Field Sheets and Daily Quality Control Reports

WATER SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: Cannon AFB HWSF Closure (Bldg. 226)

PROJECT NO. 16169329.07000

SAMPLE NO. IGNT-0003-0001

WELL NO. N/A

DATE/TIME COLLECTED: 6/24/03 / 1100

PERSONNEL: J. Smith

SAMPLE METHOD: Collected from sump

SAMPLE MEDIA:	Groundwater	Surface Water	Wash Water
SAMPLE QA SPLIT:	YES	NO	SPLIT SAMPLE NO. N/A
SAMPLE QC DUPLICATE:	YES	NO	DUPLICATE SAMPLE NO. N/A
MS/MSD REQUESTED	YES	NO	

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
32 oz.	4°C	Reactives/Corrosivity/Ignitability/pH
40 ml	4°C	VOC
950 ml	4°C	SVOC
950 ml	4°C	Metals (RCRA + Hg)
950 ml	4°C	Pesticides
4 oz	4°C	TOC
950 ml	4°C	TOX

WELL PURGING DATA

Date: N/A

Time Started:

Time Completed:

Hnu Measurements

Background:

Breathing Zone:

Well Head:

Well Depth (ft. BTOC):

Depth to Water (ft BTOC):

Water Column Length:

Volume of Water in Well (liters):

Purge Rate (liters/min):

Level of Drawdown (ft. BTOC):

Amount Purged (liters):

FIELD MEASUREMENTS

Time	Amount Purged (liters)	pH	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Redox (mV)	Turbidity (NTU's)
N/A							

FIELD EQUIPMENT AND CALIBRATION

	Model	Calibration
Water Level Probe	N/A	
Water Quality Meter	N/A	

GENERAL COMMENTS

WATER SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME Cannon AFB HWSF Closure (Bldg. 226) PROJECT NO. 16169329.07000

SAMPLE NO. PEST-0003-0001 WELL NO. N/A

DATE/TIME COLLECTED 6/24/03 / 1130 PERSONNEL J. Smith

SAMPLE METHOD Collected from sump

SAMPLE MEDIA:	Groundwater	Surface Water	Wash Water
SAMPLE QA SPLIT:	YES	NO	SPLIT SAMPLE NO. N/A
SAMPLE QC DUPLICATE:	YES	NO	DUPLICATE SAMPLE NO. N/A
MS/MSD REQUESTED	YES	NO	

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
32 oz.	4°C	Reactives/Corrosivity/Ignitability/pH
40 ml	4°C	VOC
950 ml	4°C	SVOC
950 ml	4°C	Metals (RCRA + Hg)
950 ml	4°C	Pesticides
4 oz	4°C	TOC
950 ml	4°C	TOX

WELL PURGING DATA

Date N/A

Time Started

Time Completed

Hnu Measurements

Background

Breathing Zone

Well Head

Well Depth (ft. BTOC)

Depth to Water (ft BTOC)

Water Column Length

Volume of Water in Well (liters)

Purge Rate (liters/min)

Level of Drawdown (ft. BTOC)

Amount Purged (liters)

FIELD MEASUREMENTS

Time	Amount Purged (liters)	pH	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Redox (mV)	Turbidity (NTU's)
N/A							

FIELD EQUIPMENT AND CALIBRATION

	Model	Calibration
Water Level Probe	N/A	
Water Quality Meter	N/A	

GENERAL COMMENTS

WATER SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: Cannon AFB HWSF Closure (Bldg. 226)

PROJECT NO. 16169329.07000

SAMPLE NO. REAC-0003-0001

WELL NO. N/A

DATE/TIME COLLECTED: 6/24/03 / 1200

PERSONNEL: J. Smith

SAMPLE METHOD: Collected from sump

SAMPLE MEDIA:	Groundwater	Surface Water	Wash Water
SAMPLE QA SPLIT:	YES	NO	SPLIT SAMPLE NO. N/A
SAMPLE QC DUPLICATE:	YES	NO	DUPLICATE SAMPLE NO. N/A
MS/MSD REQUESTED	YES	NO	

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
32 oz.	4°C	Reactives/Corrosivity/Ignitability/pH
40 ml	4°C	VOC
950 ml	4°C	SVOC
950 ml	4°C	Metals (RCRA + Hg)
950 ml	4°C	Pesticides
4 oz	4°C	TOC
950 ml	4°C	TOX

WELL PURGING DATA

Date	N/A	Well Depth (ft. BTOC)	
Time Started		Depth to Water (ft BTOC)	
Time Completed		Water Column Length	
Hnu Measurements		Volume of Water in Well (liters)	
Background		Purge Rate (liters/min)	
Breathing Zone		Level of Drawdown (ft. BTOC)	
Well Head		Amount Purged (liters)	

FIELD MEASUREMENTS

Time	Amount Purged (liters)	pH	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Redox (mV)	Turbidity (NTU's)
N/A							

FIELD EQUIPMENT AND CALIBRATION

	Model	Calibration
Water Level Probe	N/A	
Water Quality Meter	N/A	

GENERAL COMMENTS

WATER SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: Cannon AFB HWSF Closure (Bldg. 226)

PROJECT NO. 16169329.07000

SAMPLE NO. RECV-0001-0001

WELL NO. N/A

DATE/TIME COLLECTED: 6/24/03 / 1230

PERSONNEL: J. Smith

SAMPLE METHOD: Collected from sump

SAMPLE MEDIA:	Groundwater	Surface Water	Wash Water
SAMPLE QA SPLIT:	YES	NO	SPLIT SAMPLE NO. N/A
SAMPLE QC DUPLICATE:	YES	NO	DUPLICATE SAMPLE NO. N/A
MS/MSD REQUESTED	YES	NO	

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
32 oz.	4°C	Reactives/Corrosivity/Ignitability/pH
40 ml	4°C	VOC
950 ml	4°C	SVOC
950 ml	4°C	Metals (RCRA + Hg)
950 ml	4°C	Pesticides
4 oz	4°C	TOC
950 ml	4°C	TOX

WELL PURGING DATA

Date: N/A

Time Started:

Time Completed:

Hnu Measurements

Background:

Breathing Zone:

Well Head:

Well Depth (ft. BTOC):

Depth to Water (ft BTOC):

Water Column Length:

Volume of Water in Well (liters):

Purge Rate (liters/min):

Level of Drawdown (ft. BTOC):

Amount Purged (liters):

FIELD MEASUREMENTS

Time	Amount Purged (liters)	pH	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Redox (mV)	Turbidity (NTU's)
N/A							

FIELD EQUIPMENT AND CALIBRATION

	Model	Calibration
Water Level Probe	N/A	
Water Quality Meter	N/A	

GENERAL COMMENTS

WATER SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: Cannon AFB HWSF Closure (Bldg. 226)

PROJECT NO. 16169329.07000

SAMPLE NO. IGNT-0003-0002

WELL NO. N/A

DATE/TIME COLLECTED: 6/24/03 / 1430

PERSONNEL: J. Smith

SAMPLE METHOD: Collected from sump

SAMPLE MEDIA:	Groundwater	Surface Water	Wash Water
SAMPLE QA SPLIT:	YES	NO	SPLIT SAMPLE NO. N/A
SAMPLE QC DUPLICATE:	YES	NO	DUPLICATE SAMPLE NO. N/A
MS/MSD REQUESTED	YES	NO	

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
32 oz.	4°C	Reactives/Corrosivity/Ignitability/pH
40 ml	4°C	VOC
950 ml	4°C	SVOC
950 ml	4°C	Metals (RCRA + Hg)
950 ml	4°C	Pesticides
4 oz	4°C	TOC
950 ml	4°C	TOX

WELL PURGING DATA

Date: N/A

Time Started:

Time Completed:

Hnu Measurements

Background:

Breathing Zone:

Well Head:

Well Depth (ft. BTOC):

Depth to Water (ft BTOC):

Water Column Length:

Volume of Water in Well (liters):

Purge Rate (liters/min):

Level of Drawdown (ft. BTOC):

Amount Purged (liters):

FIELD MEASUREMENTS

Time	Amount Purged (liters)	pH	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Redox (mV)	Turbidity (NTU's)
N/A							

FIELD EQUIPMENT AND CALIBRATION

	Model	Calibration
Water Level Probe	N/A	
Water Quality Meter	N/A	

GENERAL COMMENTS

WATER SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME Cannon AFB HWSF Closure (Bldg. 226) PROJECT NO. 16169329.07000

SAMPLE NO. PEST-0003-0002 WELL NO. N/A

DATE/TIME COLLECTED 6/24/03 / 1500 PERSONNEL J. Smith

SAMPLE METHOD Collected from sump

SAMPLE MEDIA:	Groundwater	Surface Water	Wash Water
SAMPLE QA SPLIT:	YES	NO	SPLIT SAMPLE NO. N/A
SAMPLE QC DUPLICATE:	YES	NO	DUPLICATE SAMPLE NO. N/A
MS/MSD REQUESTED	YES	NO	

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
32 oz.	4°C	Reactives/Corrosivity/Ignitability/pH
40 ml	4°C	VOC
950 ml	4°C	SVOC
950 ml	4°C	Metals (RCRA + Hg)
950 ml	4°C	Pesticides
4 oz	4°C	TOC
950 ml	4°C	TOX

WELL PURGING DATA

Date N/A

Time Started

Time Completed

Hnu Measurements

Background

Breathing Zone

Well Head

Well Depth (ft. BTOC)

Depth to Water (ft BTOC)

Water Column Length

Volume of Water in Well (liters)

Purge Rate (liters/min)

Level of Drawdown (ft. BTOC)

Amount Purged (liters)

FIELD MEASUREMENTS

Time	Amount Purged (liters)	pH	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Redox (mV)	Turbidity (NTU's)
N/A							

FIELD EQUIPMENT AND CALIBRATION

	Model	Calibration
Water Level Probe	N/A	
Water Quality Meter	N/A	

GENERAL COMMENTS

WATER SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME Cannon AFB HWSF Closure (Bldg. 226) PROJECT NO. 16169329.07000

SAMPLE NO. REAC-0003-0002 WELL NO. N/A

DATE/TIME COLLECTED 6/25/03 / 0730 PERSONNEL J. Smith

SAMPLE METHOD Collected from sump

SAMPLE MEDIA:	Groundwater	Surface Water	Wash Water
SAMPLE QA SPLIT:	YES	NO	SPLIT SAMPLE NO. N/A
SAMPLE QC DUPLICATE:	YES	NO	DUPLICATE SAMPLE NO. N/A
MS/MSD REQUESTED	YES	NO	

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
32 oz.	4°C	Reactives/Corrosivity/Ignitability/pH
40 ml	4°C	VOC
950 ml	4°C	SVOC
950 ml	4°C	Metals (RCRA + Hg)
950 ml	4°C	Pesticides
4 oz	4°C	TOC
950 ml	4°C	TOX

WELL PURGING DATA

Date N/A

Time Started

Time Completed

Hnu Measurements

Background

Breathing Zone

Well Head

Well Depth (ft. BTOC)

Depth to Water (ft BTOC)

Water Column Length

Volume of Water in Well (liters)

Purge Rate (liters/min)

Level of Drawdown (ft. BTOC)

Amount Purged (liters)

FIELD MEASUREMENTS

Time	Amount Purged (liters)	pH	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Redox (mV)	Turbidity (NTU's)
N/A							

FIELD EQUIPMENT AND CALIBRATION

	Model	Calibration
Water Level Probe	N/A	
Water Quality Meter	N/A	

GENERAL COMMENTS

WATER SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: Cannon AFB HWSF Closure (Bldg. 226)

PROJECT NO. 16169329.07000

SAMPLE NO. RECV-0001-0002

WELL NO. N/A

DATE/TIME COLLECTED: 6/25/03 / 0800

PERSONNEL: J. Smith

SAMPLE METHOD: Collected from sump

SAMPLE MEDIA:	Groundwater	Surface Water	Wash Water
SAMPLE QA SPLIT:	YES	NO	SPLIT SAMPLE NO. N/A
SAMPLE QC DUPLICATE:	YES	NO	DUPLICATE SAMPLE NO. N/A
MS/MSD REQUESTED	YES	NO	

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
32 oz.	4°C	Reactives/Corrosivity/Ignitability/pH
40 ml	4°C	VOC
950 ml	4°C	SVOC
950 ml	4°C	Metals (RCRA + Hg)
950 ml	4°C	Pesticides
4 oz	4°C	TOC
950 ml	4°C	TOX

WELL PURGING DATA

Date: N/A

Time Started:

Time Completed:

Hnu Measurements

Background:

Breathing Zone:

Well Head:

Well Depth (ft. BTOC):

Depth to Water (ft BTOC):

Water Column Length:

Volume of Water in Well (liters):

Purge Rate (liters/min):

Level of Drawdown (ft. BTOC):

Amount Purged (liters):

FIELD MEASUREMENTS

Time	Amount Purged (liters)	pH	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Redox (mV)	Turbidity (NTU's)
N/A							

FIELD EQUIPMENT AND CALIBRATION

	Model	Calibration
Water Level Probe	N/A	
Water Quality Meter	N/A	

GENERAL COMMENTS

WATER SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: Cannon AFB HWSF Closure (Bldg. 226)

PROJECT NO. 16169329.07000

SAMPLE NO. IGNT- 0003 - 0003

WELL NO. N/A

DATE/TIME COLLECTED: 6/25/03 / 1000

PERSONNEL: J. Smith

SAMPLE METHOD: Collected from sump

SAMPLE MEDIA:	Groundwater	Surface Water	Wash Water
SAMPLE QA SPLIT:	YES	NO	SPLIT SAMPLE NO. N/A
SAMPLE QC DUPLICATE:	YES	NO	DUPLICATE SAMPLE NO. N/A
MS/MSD REQUESTED	YES	NO	

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
32 oz.	4°C	Reactives/Corrosivity/Ignitability/pH
40 ml	4°C	VOC
950 ml	4°C	SVOC
950 ml	4°C	Metals (RCRA + Hg)
950 ml	4°C	Pesticides
4 oz	4°C	TOC
950 ml	4°C	TOX

WELL PURGING DATA

Date	N/A	Well Depth (ft. BTOC)	
Time Started		Depth to Water (ft BTOC)	
Time Completed		Water Column Length	
Hnu Measurements		Volume of Water in Well (liters)	
Background		Purge Rate (liters/min)	
Breathing Zone		Level of Drawdown (ft. BTOC)	
Well Head		Amount Purged (liters)	

FIELD MEASUREMENTS

Time	Amount Purged (liters)	pH	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Redox (mV)	Turbidity (NTU's)
N/A							

FIELD EQUIPMENT AND CALIBRATION

	Model	Calibration
Water Level Probe	N/A	
Water Quality Meter	N/A	

GENERAL COMMENTS

WATER SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: Cannon AFB HWSF Closure (Bldg. 226)

PROJECT NO. 16169329.07000

SAMPLE NO. PEST-0003-0003

WELL NO. N/A

DATE/TIME COLLECTED 6/25/03 / 1030

PERSONNEL J. Smith

SAMPLE METHOD Collected from sump

SAMPLE MEDIA:	Groundwater	Surface Water	Wash Water
SAMPLE QA SPLIT:	YES	NO	SPLIT SAMPLE NO. N/A
SAMPLE QC DUPLICATE:	YES	NO	DUPLICATE SAMPLE NO. N/A
MS/MSD REQUESTED	YES	NO	

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
32 oz.	4°C	Reactives/Corrosivity/Ignitability/pH
40 ml	4°C	VOC
950 ml	4°C	SVOC
950 ml	4°C	Metals (RCRA + Hg)
950 ml	4°C	Pesticides
4 oz	4°C	TOC
950 ml	4°C	TOX

WELL PURGING DATA

Date N/A

Time Started

Time Completed

Hnu Measurements

Background

Breathing Zone

Well Head

Well Depth (ft. BTOC)

Depth to Water (ft BTOC)

Water Column Length

Volume of Water in Well (liters)

Purge Rate (liters/min)

Level of Drawdown (ft. BTOC)

Amount Purged (liters)

FIELD MEASUREMENTS

Time	Amount Purged (liters)	pH	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Redox (mV)	Turbidity (NTU's)
N/A							

FIELD EQUIPMENT AND CALIBRATION

	Model	Calibration
Water Level Probe	N/A	
Water Quality Meter	N/A	

GENERAL COMMENTS

WATER SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: Cannon AFB HWSF Closure (Bldg. 226)

PROJECT NO. 16169329.07000

SAMPLE NO. REAC-0003-0003

WELL NO. N/A

DATE/TIME COLLECTED 6/25/03 / 1100

PERSONNEL J. Smith

SAMPLE METHOD Collected from sump

SAMPLE MEDIA:	Groundwater	Surface Water	Wash Water
SAMPLE QA SPLIT:	YES	NO	SPLIT SAMPLE NO. N/A
SAMPLE QC DUPLICATE:	YES	NO	DUPLICATE SAMPLE NO. N/A
MS/MSD REQUESTED	YES	NO	

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
32 oz.	4°C	Reactives/Corrosivity/Ignitability/pH
40 ml	4°C	VOC
950 ml	4°C	SVOC
950 ml	4°C	Metals (RCRA + Hg)
950 ml	4°C	Pesticides
4 oz	4°C	TOC
950 ml	4°C	TOX

WELL PURGING DATA

Date N/A

Time Started

Time Completed

Hnu Measurements

Background

Breathing Zone

Well Head

Well Depth (ft. BTOC)

Depth to Water (ft BTOC)

Water Column Length

Volume of Water in Well (liters)

Purge Rate (liters/min)

Level of Drawdown (ft. BTOC)

Amount Purged (liters)

FIELD MEASUREMENTS

Time	Amount Purged (liters)	pH	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Redox (mV)	Turbidity (NTU's)
N/A							

FIELD EQUIPMENT AND CALIBRATION

	Model	Calibration
Water Level Probe	N/A	
Water Quality Meter	N/A	

GENERAL COMMENTS

WATER SAMPLE COLLECTION FIELD SHEET

GENERAL INFORMATION

SITE NAME: Cannon AFB HWSF Closure (Bldg. 226)

PROJECT NO. 16169329.07000

SAMPLE NO. RECV-0001-0003

WELL NO. N/A

DATE/TIME COLLECTED 6/25/03 / 1115

PERSONNEL J. Smith

SAMPLE METHOD Collected from sump

SAMPLE MEDIA:	Groundwater	Surface Water	Wash Water
SAMPLE QA SPLIT:	YES	NO	SPLIT SAMPLE NO. N/A
SAMPLE QC DUPLICATE:	YES	NO	DUPLICATE SAMPLE NO. N/A
MS/MSD REQUESTED	YES	NO	

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis Requested
32 oz.	4°C	Reactives/Corrosivity/Ignitability/pH
40 ml	4°C	VOC
950 ml	4°C	SVOC
950 ml	4°C	Metals (RCRA + Hg)
950 ml	4°C	Pesticides
4 oz	4°C	TOC
950 ml	4°C	TOX

WELL PURGING DATA

Date	N/A	Well Depth (ft. BTOC)	
Time Started		Depth to Water (ft BTOC)	
Time Completed		Water Column Length	
Hnu Measurements		Volume of Water in Well (liters)	
Background		Purge Rate (liters/min)	
Breathing Zone		Level of Drawdown (ft. BTOC)	
Well Head		Amount Purged (liters)	

FIELD MEASUREMENTS

Time	Amount Purged (liters)	pH	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Redox (mV)	Turbidity (NTU's)
N/A							

FIELD EQUIPMENT AND CALIBRATION

	Model	Calibration
Water Level Probe	N/A	
Water Quality Meter	N/A	

GENERAL COMMENTS

URS DAILY QUALITY CONTROL REPORT

Date: 23 June 2003

Day	S	M	T	W	TH	F	S
		X					

Project Manager Steve Cox
Project Cannon AFB HWSF Closure
Project No. 16169329.07000
Contract No.

Weather	Bright Sun	Clear X	Overcast X	Rain X	Snow
Temp	To 32	32-50	50-70	70-85	85 up X
Wind	Still	Moderate X	High	**Report No.**	
Humidity	Dry X	Moderate	Humid	1	

Subcontractors on Site: Phoenix Environmental L.L.C.

Equipment on Site: Steam Cleaner

Visitors on Site: Vera Woods
Jeff Greene

URS Personnel on Site: Jeff Smith

Field Work Performed (including sampling):

Began washing Building 226 (HWSF). Completed most of the Flammable/Combustible Area. Need to finish Flammable Hazardous Material Area, Receiving Area, Acid/Base/Reactive Area, and Pesticide/Oxidizer Area. No samples collected.

roject Cannon AFB HWSF Closure Report No. 1

Project No. 16169329.07000 Date 23 June 2003

Quality Control Activities (including field calibration):

None to report

Health and Safety and Activities:

H&S briefing prior to beginning work

Problems Encountered/Corrective Action Taken:

None to report

Downtime/Standby:

None to report

Office Work Performed:

By Jeff G. Lill

URS DAILY QUALITY CONTROL REPORT

Date: 24 June 2003

Day	S	M	T	W	TH	F	S
			X				

Project Manager Steve Cox
Project Cannon AFB HWSF Closure
Project No. 16169329.07000
Contract No.

Weather	Bright Sun	Clear X	Overcast	Rain	Snow
Temp	To 32	32-50	50-70	70-85	85 up X
Wind	Still	Moderate X	High	**Report No.**	
Humidity	Dry X	Moderate	Humid	2	

Subcontractors on Site: Phoenix Environmental L.L.C.

Equipment on Site: Steam Cleaner

Visitors on Site: Vera Woods
Jeff Greene

URS Personnel on Site: Jeff Smith

Field Work Performed (including sampling):

Finished first wash of HWSF. Collected samples from combustible/flammable area, receiving area, acid/base/reactive area, and pesticide/oxidizer area. Second wash completed. Collected second samples from combustible/flammable area and pesticide/oxidizer area. Finish second samples in the morning from acid/base/reactive area and receiving area.

Project Cannon AFB HWSF Closure Report No. 2

Project No. 16169329.07000 Date 24 June 2003

Quality Control Activities (including field calibration):

None to report

Health and Safety and Activities:

H&S briefing prior to beginning work

Problems Encountered/Corrective Action Taken:

Electricity to building was not disconnected, water shorted fire alarm and fire department responded. Power was disconnected at transformer supposedly. The wall(s) with electrical/fire alarms will not be washed.

Downtime/Standby:

None to report

Office Work Performed:

By Jeff G. [illegible]

URS DAILY QUALITY CONTROL REPORT

Date: 25 June 2003

Day	S	M	T	W	TH	F	S
				X			

Project Manager Steve Cox
Project Cannon AFB HWSF Closure
Project No. 16169329.07000
Contract No.

Weather	Bright Sun X	Clear	Overcast	Rain	Snow
Temp	To 32	32-50	50-70	70-85	85 up X
Wind	Still	Moderate X	High	**Report No.**	
Humidity	Dry X	Moderate	Humid	3	

Subcontractors on Site: Phoenix Environmental L.L.C.

Equipment on Site: Steam Cleaner

Visitors on Site: Vera Woods

URS Personnel on Site: Jeff Smith

Field Work Performed (including sampling):

Collected second samples from acid/base/reactive area and receiving area. Completed third and final wash of HWSF. Collected third round of samples.

Project Cannon AFB HWSF Closure Report No. 3

Project No. 16169329.07000 Date 25 June 2003

Quality Control Activities (including field calibration):

None to report

Health and Safety and Activities:

H & S briefing prior to beginning work

Problems Encountered/Corrective Action Taken:

None to report

Downtime/Standby:

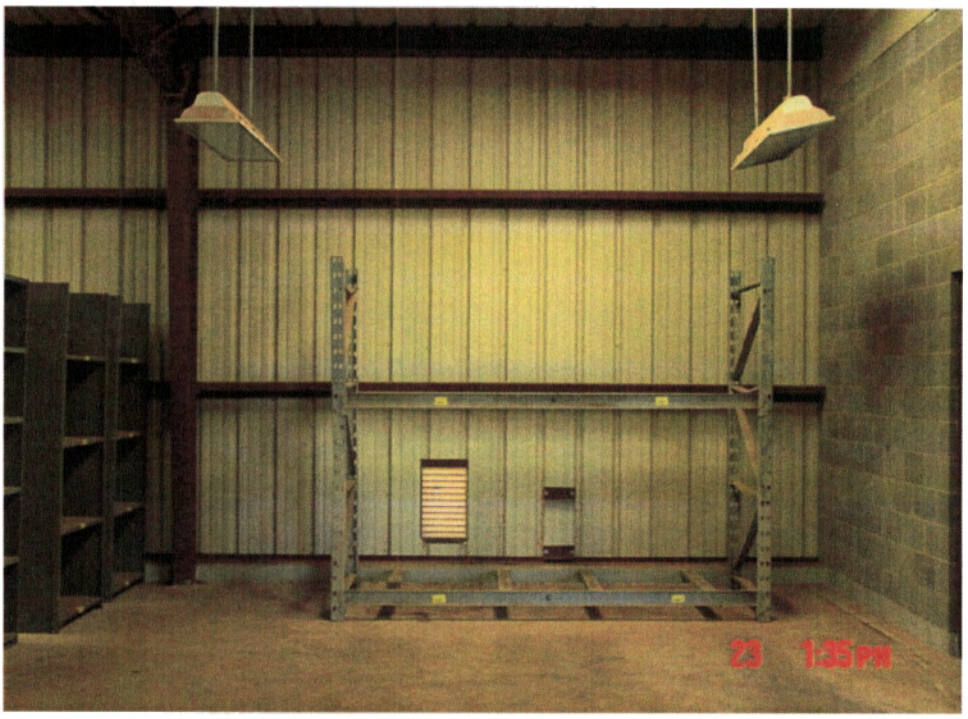
None to report

Office Work Performed:

By Jeff A. Smith

Flammable / Combustible Hazardous Waste Area

Flammable / Combustible Hazardous Waste Area



Flammable Hazardous Material Area

Pest. / Oxidizers Area

Pest. / Oxidizers Area

Combustible Hazardous Material Area

Acid / Base Reactive Area

Receiving Area