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Mr. Michael A. Poston
Deputy Base Civil Engineer
506 N DL Ingram Blvd
Cannon AFB NM 88103-5323

Mr. James Bearzi
Chief Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East Building 1
Santa Fe NM 87505-6303

Dear Mr. Bearzi

Enclosed for your review and records are the final CY 2006 groundwater monitoring and sampling reports as follows: the semi-annual report for Monitoring Wells A (replacement well for Well Q which went dry), B, C, D, S, T and U at Landfill No. 5 (SWMU 113) and the annual report for Monitoring Wells E, F, G and H at the Sewage Lagoons (SWMU 101) at Cannon Air Force Base taken June 5-7, 2006. New Mexico Environmental Department (NMED) groundwater standards were used to determine if constituents detected in the monitoring wells exceeded applicable groundwater standards. If no NMED standard for a particular constituent was available, the US EPA groundwater maximum contaminant levels (MCLs) or EPA health advisories were applied. In cases where NMED and EPA have established separate and different standards for the same constituent, the most stringent standard was applied for purposes of comparison.

The following is an excerpt from the executive summary of the attached report:

"Concentrations of analytes detected in ground water samples from wells on Cannon AFB are presented in Table 2 of the attached report. Only concentrations detected above the reporting limits are discussed in this summary and the concentrations are compared with applicable U.S. Environmental Protection Agency (USEPA) drinking-water regulations. Arsenic, barium, selenium, sulfate, and vanadium may occur naturally at relatively high reporting limits.

Aluminum was detected in water samples from wells CAFB-S, T, and U at concentrations of 110 μg/L, 130 μg/L, and 110 μg/L, respectively. The USEPA recommended SMCL for aluminum is 50 to 200 μg/L.

Arsenic was detected in water samples from CAFB-A, T, and U at concentrations of 5.8 μg/L, 5.3 μg/L, and 5.4 μg/L, respectively. The USEPA enforceable MCL for arsenic is 10.0 μg/L.

Barium was detected in water samples from all eleven wells, ranging in concentrations from 30 μg/L, (CAFB-B) to 93.0 μg/L (CAFB-D). The USEPA enforceable MCL for barium is 2,000 μg/L.

Chloride was detected in water samples from all eleven wells at concentrations ranging from 8.8 mg/L (CAFB-D) to 100 mg/L (CAFB-F). The USEPA recommended SMCL for chloride is 250 mg/L.

Chromium was detected in water samples from CAFB-E, F, G, H, S, T, and U, ranging in concentrations from 2.2 μg/L (CAFB-E) to 5.6 μg/L (CAFB-H). The USEPA enforceable MCL for chromium is 100 μg/L.

Fluoride was detected in water samples from all wells at concentrations ranging from 1.7 mg/L (CAFB-G) to 2.7 mg/L (CAFB-A). The USEPA enforceable MCL for fluoride is 4.0 mg/L and the USEPA recommended SMCL for fluoride is 2.0 mg/L.

Iron was detected in water samples from CAFB-D, F, H, T, and U, ranging in concentrations from 190 μg/L (CAFB-U) to 220 μg/L (CAFB-T). The USEPA recommended SMCL for iron is 300 μg/L.

Lead was detected in water samples from CAFB-H at a concentration of 1.7 μg/L. The USEPA maximum contaminant level goal (SMCLG) standard for lead is zero.

Manganese was detected in water samples from CAFB-U, at a concentration of 11 μg/L. The USEPA recommended SMCL for manganese is 50.0 μg/L.

Nitrate was detected in water samples from all eleven wells at concentrations ranging from 0.91 μg/L (CAFB-T) to 2.5 μg/L (CAFB-E). The USEPA enforceable MCL for nitrate is 10,000 μg/L.

Perchlorate was detected in water samples from all eleven wells at concentrations ranging from 0.25 μg/L (CAFB-D) to 3 μg/L (CAFB-H). There is no Primary or Secondary Drinking-Water Regulation MCL or SMCL for perchlorate. Perchlorate, however, appears on the USEPA Drinking Water Contaminant Candidate List published in the Federal Register on March 2, 1998, and on the USEPA Drinking Water Contaminant Candidate List 2 published in the Federal Register on April 2, 2004.

Selenium was detected in water samples from CAFB-A, B, F, H, T, and U, at concentrations 5.8 μg/L, 6.7 μg/L, 5.6 μg/L, 6.9 μg/L, 5.2 μg/L, and 7.3 μg/L. The USEPA enforceable MCL for selenium is 50.0 μg/L.

Sulfate was detected in water samples from all wells at concentrations ranging from 29 μg/L (CAFB-D) to 130 μg/L (CAFB-U and H). The USEPA recommended SMCL for sulfate is 250,000 μg/L.

Total Dissolved Solids were detected in water samples from all eleven wells at concentrations ranging from 360 mg/L (CAFB-C and D) to 560 mg/L (CAFB-F). The USEPA recommended SMCL for total dissolved solids is 500 mg/L.

Vanadium was detected in water samples from all eleven wells. Concentrations ranged from 16 μg/L (CAFB-F) to 39 μg/L (CAFB-D). There is no National Primary or Secondary Drinking Water Regulation enforceable MCL or recommended SMCL for vanadium.

Zinc was detected in water samples from wells CAFB-C, H, S, T, and U, at concentrations of 59 μg/L, 20 μg/L, 48 μg/L, 23 μg/L, and 20 μg/L. The USEPA recommended SMCL for zinc is 5,000 μg/L.

The results of the CY 2006 long term monitoring sampling events provide no indication that any release from Landfills No. 5 or the Sewage Lagoons has impacted groundwater. If you have any questions, please contact Ms. Kristi L. Doll at (505) 784-1098.

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 person 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.

Sincerely

Michael A. Poston

MICHAEL A. POSTON

Attachment:
RCRA Ground-Water Monitoring at Sewage Lagoons, Landfill 5 and Perimeter Wells

cc:
NMED (C. Frischkorn)
EPA Region VI w/o enclosure (D. Neleigh)
EPA Region VI (B. Sturdivant)

Cannon Air Force Base, New Mexico

RCRA Ground-Water Monitoring at Sewage Lagoons, and Landfill 5

Analytical Results of Samples Collected June 5, 6, and 7, 2006

Prepared for

United States Air Force Air Combat Command
Cannon Air Force Base

August 2006

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Executive Summary

The U.S. Geological Survey (USGS), Water Resources Division, and the U.S. Air Force Combat Command (ACC) have memorandum of understanding that addresses the USGS to assist any ACC base in its earth-science, hydrology, or environmental programs. Accordingly, the USGS has agreed to assist Cannon Air Force Base (Cannon AFB), an ACC base, in its Resource Conservation and Recovery Act (RCRA) ground-water sampling program. As part of the July 13, 1990, Compliance Agreement between Cannon AFB and the New Mexico Environment Department (NMED), ground-water detection sampling has been collected by the USGS.

Cannon AFB is located in east-central New Mexico about 6 miles west of Clovis (figure 1). Ground-water samples are collected from eleven monitoring wells on Cannon AFB; the monitoring network includes seven wells around Landfill 5 near the southeastern corner of the base and four wells around the decommissioned sewage lagoons on the east side of the base (figure 2). Current altitudes of ground water, measured in the eleven wells are shown in figure 2 and historical altitudes of ground water are shown in figure 3.

This report presents the water-quality data for samples collected June 5, 6 and 7, 2006.

Ground-water samples collected at Landfill 5 from the upgradient well CAFB-A, and downgradient wells CAFB-B, C, D, S, T, and U were analyzed for volatile organic compounds (method SW8260B); semivolatile organic compounds (method SW8270C); pesticides (method SW8081A); PCBs (method SW8082); herbicides (method SW8151A); dioxins and furans (method SW8280); polynuclear aromatic hydrocarbons (method SW8310); total metals (aluminum, barium, beryllium, boron, calcium, cobalt, copper, iron, potassium, magnesium, manganese, molybdenum, sodium, nickel, silica, tin, vanadium, and zinc by SW6010; antimony, arsenic, cadmium, chromium, lead, selenium, silver, and thallium by SW6020; and mercury by SW7470A); total cyanide (method MCAWW335.3); total organic carbon (method SW9060); total organic halogens (method SW9020); sulfate (method MCAWW300.0A); nitrate (method MCAWW353.2); total dissolved solids (method MCAWW160.1); perchlorate (SW6860); orthophosphate (method MCAWW300.0A); anions including bromide, chloride, fluoride, nitrate, and sulfate (method MCAWW300.0A); and total alkalinity (method MCAWW310.1).

Ground-water samples collected at the sewage lagoons from upgradient well CAFB-E and downgradient wells CAFB-F, G, and H were analyzed for volatile organic compounds (method SW8260B); pesticides (method SW8081A); PCBs (method SW8082); total metals (aluminum, barium, beryllium, boron, calcium, cobalt, copper, iron, potassium, magnesium, manganese, molybdenum, sodium, nickel, silica, tin, vanadium, and zinc by SW6010; antimony, arsenic, cadmium, chromium, lead, selenium, silver, and thallium by SW6020; and mercury by SW7470A); sulfide (SW9034); total organic carbon (method SW9060); sulfate (MCAWW300.0A); nitrate (method MCAWW353.2); nitrite (method MCAWW354.1); total dissolved solids (method MCAWW16.1); perchlorate

(SW6860); orthophosphate (method MCAWW300.0A); anions including bromide, chloride, fluoride, and nitrate (method MCAWW300.0A); and total alkalinity (method MCAWW310.1)].

Severn Trent Services (STL) in Arvada, Colorado, conducted all laboratory analyses. Concentrations of the analytes detected are presented in tables 1 and 2. The hard copy of this report has been modified to exclude laboratory information, including analytical results and quality assurance / control results. This information is now included only in the CD digital report.

The U.S. Environmental Protection Agency (USEPA) has established National Primary Drinking Water Regulations; these are legally enforceable standards, called maximum contaminant levels (MCL's), that apply to public water systems. Primary standards protect public health by limiting the levels of contaminants in drinking water.
The USEPA also has established National Secondary Drinking Water Regulations; these are non-mandatory, non-enforceable guidelines addressing contaminants that may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water. EPA recommends secondary maximum contaminant levels (SMCL's) to water systems but does not require systems to comply. States, however, may choose to adopt them as enforceable standards. These contaminants are not considered to present a risk to human health at the recommended SMCL.

Analytical results from the June 2006 sampling round that were above the reporting limits and have an associated USEPA drinking water standard are listed below:

Aluminum was detected in water samples from wells CAFB-S, T, and U at concentrations of 110 µg/L, 130 µg/L, and 110 µg/L, respectively. The USEPA recommended SMCL for aluminum is 50 to 200 µg/L.

Arsenic was detected in water samples from CAFB-A, T, and U at concentrations of 5.8 µg/L, 5.3 µg/L, and 5.4 µg/L, respectively. The USEPA enforceable MCL for arsenic is 10.0 µg/L.

Barium was detected in water samples from all eleven wells, ranging in concentrations from 30 µg/L, (CAFB-B) to 93.0 µg/L (CAFB-D). The USEPA enforceable MCL for barium is 2,000 µg/L.

Chloride was detected in water samples from all eleven wells at concentrations ranging from 8.8 mg/L (CAFB-D) to 100 mg/L (CAFB-F). The USEPA recommended SMCL for chloride is 250 mg/L.

Chromium was detected in water samples from CAFB-E, F, G, H, S, T, and U, ranging in concentrations from 2.2 µg/L (CAFB-E) to 5.6 µg/L (CAFB-H). The USEPA enforceable MCL for chromium is 100 µg/L.

Fluoride was detected in water samples from all wells at concentrations ranging from 1.7 mg/L (CAFB-G) to 2.7 mg/L (CAFB-A). The USEPA enforceable MCL for fluoride is 4.0 mg/L and the USEPA recommended SMCL for fluoride is 2.0 mg/L.

Iron was detected in water samples from CAFB-D, H, T, and U, ranging in concentrations from 190 µg/L (CAFB-U) to 220 µg/L (CAFB-T). The USEPA recommended SMCL for iron is 300 µg/L.

Lead was detected in water samples from CAFB-H at a concentration of 1.7 µg/L. The USEPA maximum contaminant level goal (SMCLG) standard for lead is zero.

Manganese was detected in water samples from CAFB-U, at a concentration of 11 µg/L. The USEPA recommended SMCL for manganese is 50.0 µg/L.

Nitrate was detected in water samples from all eleven wells at concentrations ranging from 0.91 µg/L (CAFB-T) to 2.5 µg/L (CAFB-E). The USEPA enforceable MCL for nitrate is 10,000 µg/L.

Perchlorate was detected in water samples from all eleven wells at concentrations ranging from 0.25 µg/L (CAFB-D) to 3 µg/L (CAFB-H). There is no Primary or Secondary Drinking-Water Regulation MCL or SMCL for perchlorate. Perchlorate, however, appears on the USEPA Drinking Water Contaminant Candidate List published in the Federal Register on March 2, 1998, and on the USEPA Drinking Water Contaminant Candidate List 2 published in the Federal Register on April 2, 2004.

Selenium was detected in water samples from CAFB-A, B, F, H, T, and U, at concentrations 5.8 µg/L, 6.7 µg/L, 5.6 µg/L, 6.9 µg/L, 5.2 µg/L, and 7.3 µg/L. The USEPA enforceable MCL for selenium is 50.0 µg/L.

Sulfate was detected in water samples from all wells at concentrations ranging from 29 µg/L (CAFB-D) to 130 µg/L (CAFB-U and H). The USEPA recommended SMCL for sulfate is 250,000 µg/L.

Total Dissolved Solids were detected in water samples from all eleven wells at concentrations ranging from 360 mg/L (CAFB-C and D) to 560 mg/L (CAFB-F). The USEPA recommended SMCL for total dissolved solids is 500 mg/L.

Vanadium was detected in water samples from all eleven wells. Concentrations ranged from 16 µg/L (CAFB-F) to 39 µg/L (CAFB-D). There is no National Primary or Secondary Drinking Water Regulation enforceable MCL or recommended SMCL for vanadium.

Zinc was detected in water samples from wells CAFB-C, H, S, T, and U, at concentrations of 59 µg/L, 20 µg/L, 48 µg/L, 23 µg/L, and 20 µg/L. The USEPA recommended SMCL for zinc is 5,000 µg/L.

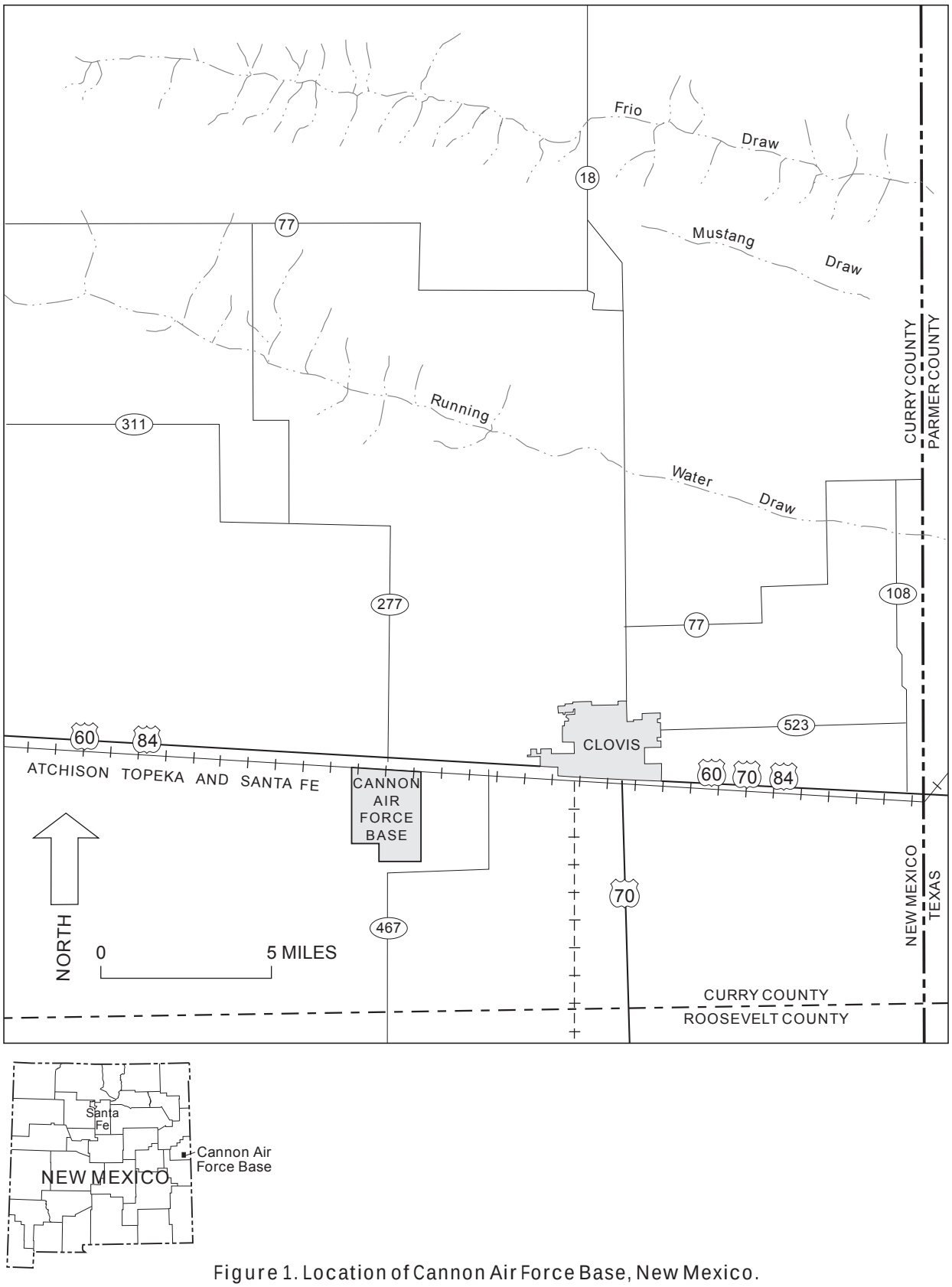

Figure 1. Location of Cannon Air Force Base, New Mexico.

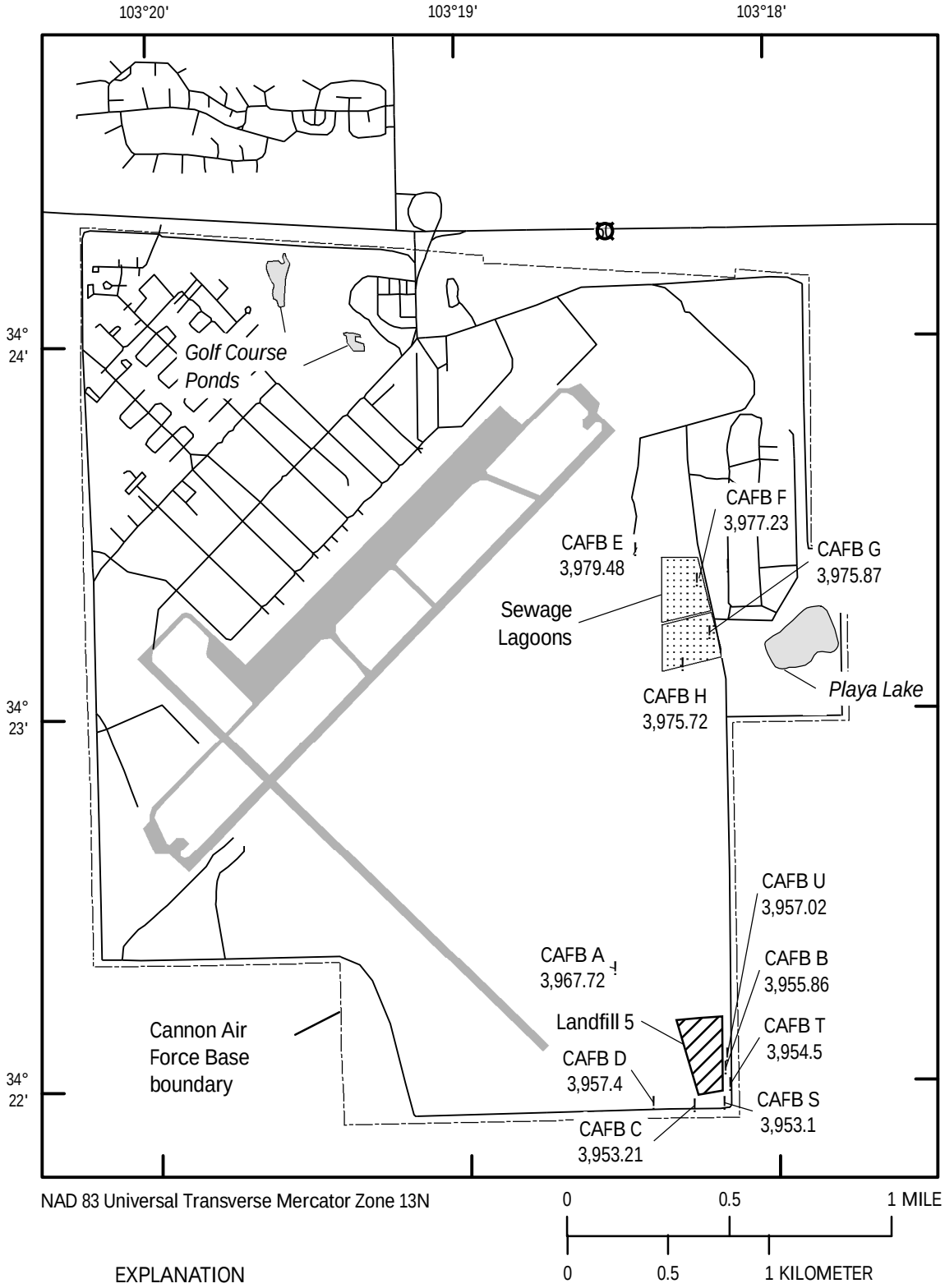

Figure 2. Monitoring well network and ground-water altitude at Cannon Air Force Base, June, 2006.

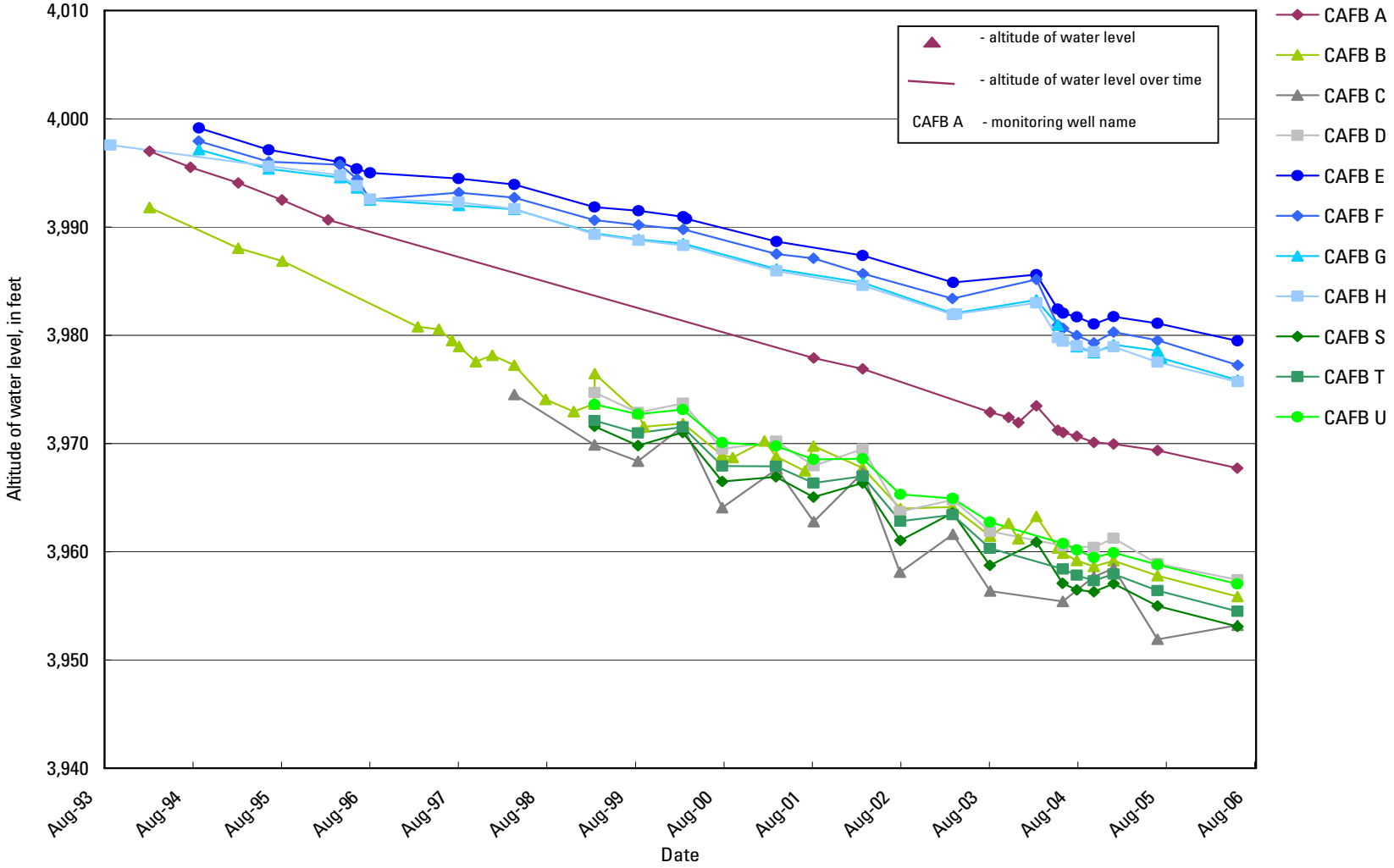

Figure 3. Historical altitudes of ground water in wells A, B, C, D, E, F, G, H, S, T, U, V, W, and X at Cannon Air Force Base, New Mexico.

Table 1. Summary of field properties of ground water collected June 5, 6, and 7, 2006, from monitoring wells at Cannon Air Force Base, New Mexico.

[**°C**, degrees Celsius; **µS/cm**, microsiemens per centimeter; **mg/L**, milligrams per liter]

Sample ID:	CAFB A	CAFB B	CAFB C	CAFB D	CAFB E	CAFB F
Sample date & time:	6/5/06 1325	6/6/06 0845	6/6/06 1555	6/6/06 1255	6/6/06 1245	6/7/06 0950
Analytes	Result	Result	Result	Result	Result	Result
FIELD PROPERTIES						
Temperature (°C)	18.7	18.3	18.6	18.5	18.7	18.0
pH	7.78	7.12	7.56	7.52	7.65	7.63
Specific conductance (µS/cm)	627	744	606	606	689	923
Dissolved oxygen (mg/L)	7.54	5.31	3.02	5.55	6.85	7.47

Sample ID:	CAFB G	CAFB H	CAFB S	CAFB T	CAFB U
Sample date & time:	6/7/06 1040	6/7/06 1055	6/6/06 1120	6/6/06 1005	6/5/06 1515
Analytes	Result	Result	Result	Result	Result
FIELD PROPERTIES					
Temperature (°C)	18.3	18.3	18.4	18.3	18.5
pH	7.57	7.67	7.64	7.68	7.77
Specific conductance (µS/cm)	853	784	779	757	770
Dissolved oxygen (mg/L)	6.41	7.34	7.97	8.45	8.71

Table 2. Summary of analyte concentrations in ground water collected June 5, 6, and 7, 2006, from Landfill 5 monitoring wells at Cannon Air Force Base, New Mexico.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **ND**, not detected; **B**, estimated concentration - detected below the reporting limit; **J**, the associated method blank contained the target analyte at a reportable limit; **COL**, More than 40% RPD between primary and confirmation detector results. The lower of the two results is reported.]

Sample ID:	CAFB A		CAFB B		CAFB C		CAFB D		CAFB DD	
Sample date & time:	6/5/06	1325	6/6/06	0845	6/6/06	1555	6/6/06	1255	6/6/06	1305
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
VOLATILE ORGANIC COMPOUNDS										
Methylene chloride, SW8260B (µg/L)	0.43 J,B	5	0.38 J,B	5	ND	5	ND	5	ND	5
Trichloroethene, SW8260B (µg/L)	ND	1	ND	1	0.43 B	1	0.27 B	1	0.28 B	1
POLYNUCLEAR AROMATIC HYDROCARBONS										
Naphthalene, SW8310 (µg/L)	0.11B, COL	1	ND	1	ND	1	ND	1	ND	1

Sample ID:	CAFB S		CAFB T		CAFB U		Trip Blank	
Sample date & time:	6/6/06	1120	6/6/06	1005	6/5/06	1515	6/5/06	
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL
VOLATILE ORGANIC COMPOUNDS								
Methylene chloride, SW8260B (µg/L)	ND	5	ND	5	0.43 J,B	5	0.53 J,B	5

Table 2. Summary of analyte concentrations in ground water collected June 5, 6, and 7, 2006, from Landfill 5 monitoring wells at Cannon Air Force Base, New Mexico - Continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **ND**, not detected; **B**, estimated concentration - detected below the reporting limit; **J**, the associated method blank contained the target analyte at a reportable limit]

Sample ID:	CAFB A		CAFB B		CAFB C		CAFB D		CAFB DD	
Sample date & time:	6/5/06	1325	6/6/06	0845	6/6/06	1555	6/6/06	1255	6/6/06	1305
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
TRACE ELEMENTS										
Aluminum, SW6010B (µg/L)	ND	100	ND	100	35 B,J	100	25 B,J	100	84 B,J	100
Antimony, SW6020 (µg/L)	ND	2	ND	2	ND	2	0.24 B	2	0.24 B	2
Arsenic, SW6020 (µg/L)	5.8	5	4.9 B	5	4.9 B	5	4.6 B	5	4.7 B	5
Barium, SW6010B (µg/L)	33	10	30	10	62	10	93	10	89	10
Beryllium, SW6010B (µg/L)	ND	5	ND	5	ND	5	ND	5	ND	5
Boron, SW6010B (µg/L)	170 J	100	190 J	100	210	100	200	100	200	100
Cadmium, SW6020 (µg/L)	ND	1	ND	1	ND	1	ND	1	ND	1
Chromium, SW6020 (µg/L)	1.9 B	2	1.8 B	2	1.5 B,J	2	1.2 B,J	2	1.4 B,J	2
Cobalt, SW6010B (µg/L)	ND	10	ND	10	ND	10	ND	10	ND	10
Copper, SW6010B (µg/L)	ND	20	ND	20	ND	20	8.2 B	20	ND	20
Iron, SW6010B (µg/L)	34 B	100	ND	100	90 B	100	200	100	220	100
Lead, SW6020 (µg/L)	0.22 B	1	0.28 B	1	0.26 B	1	0.36 B	1	0.41 B	1
Manganese, SW6010B (µg/L)	ND	10	ND	10	5.8 B	10	4.3 B	10	4.8 B	10
Molybdenum, SW6010B (µg/L)	ND	20	ND	20	ND	20	ND	20	ND	20
Selenium, SW6020 (µg/L)	5.8	5	6.7	5	ND	5	ND	5	ND	5
Silver, SW6020 (µg/L)	ND	5	ND	5	ND	5	ND	5	ND	5
Thallium, SW6020 (µg/L)	0.039 B	1	0.038 B	1	ND	1	ND	1	ND	1
Vanadium, SW6010B (µg/L)	35	10	27	10	38	10	39	10	37	10
Zinc, SW6010B (µg/L)	6.7 B	20	5.2 B	20	59 J	20	16 B,J	20	8.6 B,J	20
Mercury, SW7470A (µg/L)	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2

Table 2. Summary of analyte concentrations in ground water collected June 5, 6, and 7, 2006, from Landfill 5 monitoring wells at Cannon Air Force Base, New Mexico - Continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **J**, the associated method blank contained the target analyte at a reportable limit; **ND**, not detected; **B**, estimated concentration - detected below the reporting limit]

Sample ID:	CAFB S		CAFB T		CAFB U	
Sample date & time:	6/6/06	1120	6/6/06	1005	6/5/06	1515
Analytes and Method	Result	RL	Result	RL	Result	RL
TRACE ELEMENTS						
Aluminum, SW6010B (µg/L)	110 J	100	130 J	100	110	100
Antimony, SW6020 (µg/L)	ND	2	ND	2	ND	2
Arsenic, SW6020 (µg/L)	4.8 B	5	5.3	5	5.4	5
Barium, SW6010B (µg/L)	39	10	35	10	41	10
Beryllium, SW6010B (µg/L)	ND	5	ND	5	ND	5
Boron, SW6010B (µg/L)	170	100	170	100	180 J	100
Cadmium, SW6020 (µg/L)	ND	1	ND	1	ND	1
Chromium, SW6020 (µg/L)	2.3 J	2	3.4 J	2	3.7	2
Cobalt, SW6010B (µg/L)	ND	10	ND	10	ND	10
Copper, SW6010B (µg/L)	ND	20	ND	20	ND	20
Iron, SW6010B (µg/L)	94 B	100	220	100	190	100
Lead, SW6020 (µg/L)	0.25 B	1	0.24 B	1	0.18 B	1
Manganese, SW6010B (µg/L)	9 B	10	7.2 B	10	11	10
Molybdenum, SW6010B (µg/L)	ND	20	6 B	20	ND	20
Selenium, SW6020 (µg/L)	4.9 B	5	5.2	5	7.3	5
Silver, SW6020 (µg/L)	ND	5	0.45 B	5	ND	5
Thallium, SW6020 (µg/L)	ND	1	ND	1	0.035 B	1
Vanadium, SW6010B (µg/L)	32	10	30	10	28	10
Zinc, SW6010B (µg/L)	20 J	20	23 J	20	20	20
Mercury, SW7470A (µg/L)	ND	0.2	ND	0.2	ND	0.2

Table 2. Summary of analyte concentrations in ground water collected June 5, 6, and 7, 2006, from Landfill 5 monitoring wells at Cannon Air Force Base, New Mexico - Continued.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **J**, the associated method blank contained the target analyte at a reportable limit; **Q**, reporting limit elevated due to high analyte concentration; **B**, estimated concentration - detected below the reporting limit; **µg/L**, micrograms per liter; **ND**, not detected; **IC**, Diluted due to high inorganic chloride]

Sample ID:	CAFB A		CAFB B		CAFB C		CAFB D		CAFB DD	
Sample date & time:	6/5/06	1325	6/6/06	0845	6/6/06	1555	6/6/06	1255	6/6/06	1305
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
GENERAL CHEMISTRY										
Calcium, SW6010B (mg/L)	33	0.2	40	0.2	31 J	0.2	34 J	0.2	32 J	0.2
Magnesium, SW6010B (mg/L)	31	0.2	37	0.2	30	0.2	32	0.2	31	0.2
Potassium, SW6010B (mg/L)	6.2	3	7	3	6	3	6.3	3	6.1	3
Sodium, SW6010B (mg/L)	49	5	57	5	48 J	5	49 J	5	46 J	5
Silica, SW6010B (mg/L)	36	1.1	37	1.1	39	1.1	41	1.1	39	1.1
Chloride, MCAWW300.0A (mg/L)	38	3	48 Q	15	9.6	3	8.8	3	8.8	3
Fluoride, MCAWW300.0A (mg/L)	2.7	1	2.6	1	2.2	1	2	1	2	1
Bromide, MCAWW300.0A (mg/L)	0.29	0.2	0.39	0.2	0.21	0.2	0.2	0.2	0.21	0.2
Sulfate, MCAWW300.0A (mg/L)	87 J,Q	25	120 J,Q	25	45 J	5	29 J	5	29 J	5
Dissolved Solids, MCAWW160.1 (mg/L)	390	10	470	10	360	10	360	10	350	10
Total Organic Carbon, SW9060 (mg/L)	0.47 B,J	1	0.35 B,J	1	0.9 B,J	1	0.82 B,J	1	0.82 B,J	1
Organic Halogens, SW9020B (µg/L)	ND	30	ND	30	ND IC	60	ND IC	60	ND IC	60
Total Alkalinity, MCAWW310.1 (mg/L)	170	5	170	5	240	5	270	5	280	5
Total Cyanide, MCAWW 335.3 (mg/L)	ND	0.01	ND	0.01	0.0067 B	0.01	ND	0.01	ND	0.01
Nitrate, MCAWW300.0A (mg/L)	1.8	0.5	1	0.5	1.9	0.5	1.3	0.5	1.3	0.5
Nitrate, MCAWW353.2 (mg/L)	1.8	0.1	0.99	0.1	2.1	0.1	1.5	0.1	1.5	0.1
Orthophosphate, MCAWW300.0 (mg/L)	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Perchlorate, DEN-LC-0024 (µg/L)	2.1	0.1	2.5	0.1	0.26	0.1	0.25	0.1	0.26	0.1

Table 2. Summary of analyte concentrations in ground water collected June 5, 6, and 7, 2006, from Landfill 5 monitoring wells at Cannon Air Force Base, New Mexico - Concluded.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **J**, the associated method blank contained the target analyte at a reportable limit; **Q**, reporting limit elevated due to high analyte concentration; **B**, estimated concentration - detected below the reporting limit; **ND**, not detected; **µg/L**, micrograms per liter; **IC**, Diluted due to high inorganic chloride; **NR**, not requested]

Sample ID:	CAFB S		CAFB T		CAFB U	
Sample date & time:	6/6/06	1120	6/6/06	1005	6/5/06	1515
Analytes and Method	Result	RL	Result	RL	Result	RL
GENERAL CHEMISTRY						
Calcium, SW6010B (mg/L)	45 J	0.2	41 J	0.2	46	0.2
Magnesium, SW6010B (mg/L)	40	0.2	36	0.2	39	0.2
Potassium, SW6010B (mg/L)	6.7	3	6.4	3	6.9	3
Sodium, SW6010B (mg/L)	50 J	5	49 J	5	53	5
Silica, SW6010B (mg/L)	37	1.1	35	1.1	37	1.1
Chloride, MCAWW300.0A (mg/L)	60 Q	15	51 Q	15	67 Q	15
Fluoride, MCAWW300.0A (mg/L)	2.3	1	2.3	1	2.5	1
Bromide, MCAWW300.0A (mg/L)	0.47	0.2	0.44	0.2	0.5	0.2
Sulfate, MCAWW300.0A (mg/L)	110 J,Q	25	120 J,Q	25	130 J,Q	25
Dissolved Solids, MCAWW160.1 (mg/L)	480	10	470	10	480	10
Organic Carbon, SW9060 (mg/L)	0.73 B,J	1	0.81 B,J	1	0.37 B,J	1
Organic Halogens, SW9020B (µg/L)	ND IC	60	ND IC	60	ND	30
Total Alkalinity, MCAWW310.1 (mg/L)	150	5	150	5	170	5
Total Cyanide, MCAWW335.3 (mg/L)	0.0024 B	0.01	ND	0.01	ND	0.01
Nitrate, MCAWW300.0A (mg/L)	1.2	0.5	0.91	0.5	0.98	0.5
Nitrate, MCAWW353.2 (mg/L)	1.3	0.1	0.91	0.1	0.92	0.1
Orthophosphate, MCAWW300.0 (mg/L)	ND	0.5	ND	0.5	ND	0.5
Perchlorate, DEN-LC-0024 (µg/L)	2.6	0.1	2.3	0.1	2.5	0.1

Table 3. Summary of analyte concentrations in ground water collected June 5, 6, and 7, 2006, from the sewage lagoon monitoring wells at Cannon Air Force Base, New Mexico.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **ND**, not detected **B**, Estimated result. Result is less than RL]

Sample ID:	CAFB E		CAFB F		CAFB G		CAFB H		CAFB H-TB	
Sample date & time:	6/6/06	1245	6/7/06	0950	6/7/06	1040	6/7/06	1055	6/7/06	1500
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
VOLATILE ORGANIC COMPOUNDS										
Methylene chloride, SW8260B (µg/L)	ND	5	0.8 B	5	0.71 B	5	0.72 B	5	ND	5
Tetrachloroethene, SW8260B (µg/L)	0.53 B	1	ND	1	0.41 B	1	ND	1	ND	1

Table 3. Summary of analyte concentrations in ground water collected June 5, 6, and 7, 2006, from the sewage lagoon monitoring wells at Cannon Air Force Base, New Mexico - Continued.

[**RL**, reporting limit; **µg/L**, micrograms per liter; **ND**, not detected; **B**, estimated concentration - detected below the reporting limit; **J**, the associated method blank contained the target analyte at a reportable limit; **L**, Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present]

Sample ID:	CAFB E		CAFB F		CAFB G		CAFB H	
Sample date & time:	6/6/06	1245	6/7/06	0950	6/7/09	1040	6/7/06	1055
Analytes and Method	Result	RL	Result	RL	Result	Result	Result	RL
TRACE ELEMENTS								
Aluminum, SW6010B (µg/L)	ND	100	50 B	100	86 B	100	42 B	100
Arsenic, SW6020 (µg/L)	2.4 B	5	2.9 B	5	2.6 B	5	3.6 B	5
Barium, SW6010B (µg/L)	47 J,L	10	42 J,L	10	37 J,L	10	34 J,L	10
Boron, SW6010B (µg/L)	190	100	170	100	170	100	170	100
Chromium, SW6020 (µg/L)	2.2	2	3.2	2	4.3	2	5.6	2
Iron, SW6010B (µg/L)	ND	100	65 B,J	100	89 B,J	100	220 J	100
Lead, SW6020 (µg/L)	0.48 B	1	0.85 B	1	0.32 B	1	1.7	1
Manganese, SW6010B (µg/L)	ND	10	5.5 B	10	ND	10	5.7 B	10
Selenium, SW6020 (µg/L)	2 B,L	5	5.6 L	5	2.9 B,L	5	6.9 L	5
Silver, SW6020 (µg/L)	ND	5	0.19 B	5	ND	5	ND	5
Vanadium, SW6010B (µg/L)	18	10	16	10	17	10	20	10
Zinc, SW6010B (µg/L)	7.7 B,J	20	16 B,J	20	15 B,J	20	48 J	20

Table 3. Summary of analyte concentrations in ground water collected June 5, 6, and 7, 2006, from the sewage lagoon monitoring wells at Cannon Air Force Base, New Mexico - Concluded.

[**RL**, reporting limit; **mg/L**, milligrams per liter; **µg/L**, micrograms per liter; **J**, the associated method blank contained the target analyte at a reportable limit; **Q**, reporting limit elevated due to high analyte concentration; **B**, estimated concentration - detected below the reporting limit; **ND**, not detected]

Sample ID:	CAFB E		CAFB F		CAFB G		CAFB H	
Sample date & time:	6/6/06	1245	6/7/06	0950	6/7/06	1040	6/7/06	1055
Analytes and Method	Result	RL	Result	RL	Result	RL	Result	RL
GENERAL CHEMISTRY								
Calcium, SW6010B (mg/L)	44 J	0.2	49 J	0.2	47 J	0.2	40 J	0.2
Magnesium, SW6010B (mg/L)	42	0.2	48	0.2	47	0.2	39	0.2
Potassium, SW6010B (mg/L)	7.4	3	8.3	3	7.7	3	7	3
Sodium, SW6010B (mg/L)	58	5	54	5	45	5	53	5
Silica, SW6010B (mg/L)	38	1.1	37	1.1	37	1.1	38	1.1
Chloride, MCAWW300.0A (mg/L)	85 Q	15	100 Q	15	78 Q	15	49	3
Fluoride, MCAWW300.0A (mg/L)	1.8	1	1.8	1	1.7	1	2	1
Bromide, MCAWW300.0A (mg/L)	0.18 B	0.2	0.35	0.2	0.24	0.2	0.39	0.2
Sulfate, MCAWW300.0A (mg/L)	69 J,Q	25	120 J,Q	25	98 J,Q	25	130 J,Q	25
Dissolved Solids, MCAWW160.1 (mg/L)	500	10	560	10	530	10	480	10
Organic Carbon, SW9060 (mg/L)	0.72 B,J	1	0.48 B,J	1	0.55 B,J	1	0.45 B,J	1
Total Alkalinity, MCAWW310.1 (mg/L)	200	5	150 J	5	190	5	170 J	5
Nitrate, MCAWW353.2 (mg/L)	2.5	0.1	1.2	0.1	1.6	0.1	1.2	0.1
Nitrate as N, MCAWW300.0A (mg/L)	2.3	0.5	1.2	0.5	1.5	0.5	1.1	0.5
Perchlorate, DEN-LC-0024 (µg/L)	0.89	0.1	2.5	0.1	1.5	0.1	3	0.1

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Cannon Air Force Base
EPA I.D. NUMBER	NM 7572124454
COUNTY	Curry
WELL NUMBER	A
WELL LOCATION (LONGITUDE)	103° 18' 31.44"
WELL LOCATION (LATITUDE)	34° 22' 18.91"
AQUIFER NAME	Ogallala
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	01/07/1985
DRILLING METHOD	HYDRT (mud rotary)
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	8 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	AIRFT
ELEV BOTTOM OF BOREHOLE	3,898.83 feet above MSL
ELEV BOTTOM OF WELL CASING	3,920.83 feet above MSL
ELEV BOTTOM OF SCREENED INT	3,920.83 feet above MSL
ELEV OF TOP OF SCREENED INT	3,935.83 feet above MSL
MEASURING POINT CORRECTION	1.97 feet
SURVEYED ELEV OF CASING TOP	4,265.8 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Cannon Air Force Base
EPA I.D. NUMBER	NM 7572124454
COUNTY	Curry
WELL NUMBER	B
WELL LOCATION (LONGITUDE)	103° 18' 10.36"
WELL LOCATION (LATITUDE)	34° 22' 2.67"
AQUIFER NAME	Ogallala
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	11/30/1984
DRILLING METHOD	HYDRT (mud rotary)
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	8 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	AIRFT
ELEV BOTTOM OF BOREHOLE	3,899.8 feet above MSL
ELEV BOTTOM OF WELL CASING	3,899.8 feet above MSL
ELEV BOTTOM OF SCREENED INT	3,899.8 feet above MSL
ELEV OF TOP OF SCREENED INT	3,914.8 feet above MSL
MEASURING POINT CORRECTION	2.2 feet
SURVEYED ELEV OF CASING TOP	4,264.3 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Cannon Air Force Base
EPA I.D. NUMBER	NM 7572124454
COUNTY	Curry
WELL NUMBER	C
WELL LOCATION (LONGITUDE)	103° 18' 16.5"
WELL LOCATION (LATITUDE)	34° 21' 56.68"
AQUIFER NAME	Ogallala
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	01/11/1985
DRILLING METHOD	HYDRT (mud rotary)
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	8 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	AIRFT
ELEV BOTTOM OF BOREHOLE	3,901.72 feet above MSL
ELEV BOTTOM OF WELL CASING	3,901.72 feet above MSL
ELEV BOTTOM OF SCREENED INT	3,901.72 feet above MSL
ELEV OF TOP OF SCREENED INT	3,916.72 feet above MSL
MEASURING POINT CORRECTION	2.11 feet
SURVEYED ELEV OF CASING TOP	4,265.83 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Cannon Air Force Base
EPA I.D. NUMBER	NM 7572124454
COUNTY	Curry
WELL NUMBER	D
WELL LOCATION (LONGITUDE)	103° 18' 24.44"
WELL LOCATION (LATITUDE)	34° 21' 57.13"
AQUIFER NAME	Ogallala
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	12/16/1984
DRILLING METHOD	HYDRT (mud rotary)
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	8 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	AIRFT
ELEV BOTTOM OF BOREHOLE	3,905.19 feet above MSL
ELEV BOTTOM OF WELL CASING	3,905.19 feet above MSL
ELEV BOTTOM OF SCREENED INT	3,905.19 feet above MSL
ELEV OF TOP OF SCREENED INT	3,920.19 feet above MSL
MEASURING POINT CORRECTION	1.89 feet
SURVEYED ELEV OF CASING TOP	4,263.83 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Cannon Air Force Base
EPA I.D. NUMBER	NM 7572124454
COUNTY	Curry
WELL NUMBER	E
WELL LOCATION (LONGITUDE)	103° 18' 26.23"
WELL LOCATION (LATITUDE)	34° 23' 26.51"
AQUIFER NAME	Ogallala
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	11/17/1985
DRILLING METHOD	HYDRT (mud rotary)
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	8 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	AIRFT
ELEV BOTTOM OF BOREHOLE	3,906.7 feet above MSL
ELEV BOTTOM OF WELL CASING	3,906.7 feet above MSL
ELEV BOTTOM OF SCREENED INT	3,909.7 feet above MSL
ELEV OF TOP OF SCREENED INT	3,924.7 feet above MSL
MEASURING POINT CORRECTION	2.91 feet
SURVEYED ELEV OF CASING TOP	4,282.61 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Cannon Air Force Base
EPA I.D. NUMBER	NM 7572124454
COUNTY	Curry
WELL NUMBER	F
WELL LOCATION (LONGITUDE)	103° 18' 14.32"
WELL LOCATION (LATITUDE)	34° 23' 21.29"
AQUIFER NAME	Ogallala
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	11/19/1985
DRILLING METHOD	HYDRT (mud rotary)
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	8 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	AIRFT
ELEV BOTTOM OF BOREHOLE	3,899.93 feet above MSL
ELEV BOTTOM OF WELL CASING	3,899.93 feet above MSL
ELEV BOTTOM OF SCREENED INT	3,904.93 feet above MSL
ELEV OF TOP OF SCREENED INT	3,919.93 feet above MSL
MEASURING POINT CORRECTION	3.57 feet
SURVEYED ELEV OF CASING TOP	4,278.5 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Cannon Air Force Base
EPA I.D. NUMBER	NM 7572124454
COUNTY	Curry
WELL NUMBER	G
WELL LOCATION (LONGITUDE)	103° 18' 12.07"
WELL LOCATION (LATITUDE)	34° 23' 12.86"
AQUIFER NAME	Ogallala
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	11/10/1985
DRILLING METHOD	HYDRT (mud rotary)
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	8 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	AIRFT
ELEV BOTTOM OF BOREHOLE	3,904.46 feet above MSL
ELEV BOTTOM OF WELL CASING	3,904.46 feet above MSL
ELEV BOTTOM OF SCREENED INT	3,904.46 feet above MSL
ELEV OF TOP OF SCREENED INT	3,919.46 feet above MSL
MEASURING POINT CORRECTION	3.09 feet
SURVEYED ELEV OF CASING TOP	4,279.55 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Cannon Air Force Base
EPA I.D. NUMBER	NM 7572124454
COUNTY	Curry
WELL NUMBER	H
WELL LOCATION (LONGITUDE)	103° 18' 17.43"
WELL LOCATION (LATITUDE)	34° 23' 7.72"
AQUIFER NAME	Ogallala
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	11/18/1985
DRILLING METHOD	HYDRT (mud rotary)
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	8 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	AIRFT
ELEV BOTTOM OF BOREHOLE	3,900.98 feet above MSL
ELEV BOTTOM OF WELL CASING	3,900.98 feet above MSL
ELEV BOTTOM OF SCREENED INT	3,905.98 feet above MSL
ELEV OF TOP OF SCREENED INT	3,920.98 feet above MSL
MEASURING POINT CORRECTION	3.0 feet
SURVEYED ELEV OF CASING TOP	4,278.98 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Cannon Air Force Base
EPA I.D. NUMBER	NM 7572124454
COUNTY	Curry
WELL NUMBER	S
WELL LOCATION (LONGITUDE)	103° 18' 10.7"
WELL LOCATION (LATITUDE)	34° 21' 57.01"
AQUIFER NAME	Ogallala
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	12/06/1998
DRILLING METHOD	HYDRT (mud rotary)
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	8 inches
CASING MATERIAL	PVC (schedule 80)
METHOD OF DEVELOPMENT	BAILD
ELEV BOTTOM OF BOREHOLE	3,895.72 feet above MSL
ELEV BOTTOM OF WELL CASING	3,895.72 feet above MSL
ELEV BOTTOM OF SCREENED INT	3,936.72 feet above MSL
ELEV OF TOP OF SCREENED INT	3,976.72 feet above MSL
MEASURING POINT CORRECTION	2.06 feet
SURVEYED ELEV OF CASING TOP	4,262.78 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Cannon Air Force Base
EPA I.D. NUMBER	NM 7572124454
COUNTY	Curry
WELL NUMBER	T
WELL LOCATION (LONGITUDE)	103° 18' 9.47"
WELL LOCATION (LATITUDE)	34° 22' 0.07"
AQUIFER NAME	Ogallala
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	12/10/1998
DRILLING METHOD	HYDRT (mud rotary)
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	8 inches
CASING MATERIAL	PVC (schedule 80)
METHOD OF DEVELOPMENT	BAILD
ELEV BOTTOM OF BOREHOLE	3,895.82 feet above MSL
ELEV BOTTOM OF WELL CASING	3,895.82 feet above MSL
ELEV BOTTOM OF SCREENED INT	3,936.82 feet above MSL
ELEV OF TOP OF SCREENED INT	3,976.82 feet above MSL
MEASURING POINT CORRECTION	1.87 feet
SURVEYED ELEV OF CASING TOP	4,262.69 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
SANTA FE, NEW MEXICO 87502

FACILITY NAME	Cannon Air Force Base
EPA I.D. NUMBER	NM 7572124454
COUNTY	Curry
WELL NUMBER	U
WELL LOCATION (LONGITUDE)	103° 18' 9.93"
WELL LOCATION (LATITUDE)	34° 22' 4.81"
AQUIFER NAME	Ogallala
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	12/14/1998
DRILLING METHOD	HYDRT (mud rotary)
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	8 inches
CASING MATERIAL	PVC (schedule 80)
METHOD OF DEVELOPMENT	BAILD
ELEV BOTTOM OF BOREHOLE	3,897.27 feet above MSL
ELEV BOTTOM OF WELL CASING	3,897.27 feet above MSL
ELEV BOTTOM OF SCREENED INT	3,938.27 feet above MSL
ELEV OF TOP OF SCREENED INT	3,978.27 feet above MSL
MEASURING POINT CORRECTION	1.93 feet
SURVEYED ELEV OF CASING TOP	4,264.2 feet above MSL

MONITORING WELL ANNUAL SAMPLING REPORT

SAMPLES COLLECTED BY: Fredrick E. Gebhardt

LABORATORY NAME: Severn Trent Services WELL NUMBER: CAFB-A

WELL DEPTH: 343 feet WELL CASING VOLUME: 26.83 gallons

DATE SAMPLED: 06-05-2006 LABORATORY SAMPLE I.D.#: D6F070234-001

TIME SAMPLED: 1325 DATE RECEIVED BY LAB: 06-07-2006

PARAMETERS	STORET CODE	UNITS	VALUE	DATE
Elevation of G. Water	71993	ft.	3,967.72	06-05-2006
Flow Rate	00059	gal/min.	1.12	06-05-2006
Pump Period	72004	min.	35	06-05-2006
Volume Evacuated	73675	gal	40	06-05-2006
Well Sampling Method	84077	---	PSPMP	N/A

Sampler Material: Teflon / PE Well Sampling Method: Bennett Pump

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.78	N/A	06-05-2006	Field electrometer
Specific Conductivity	00095	µs/cm	627	N/A	06-05-2006	Field electrometer
T.O.X.	70354	µg/L	ND	30	06-08-2006	SW9020B
T.O.C.	00680	mg/L	0.47 B,J	1	06-10-2006	SW9060

SIGNATURE _____

NAME (PRINTED) Fredrick E. Gebhardt

MONITORING WELL ANNUAL SAMPLING REPORT

SAMPLES COLLECTED BY: Fredrick E. Gebhardt

LABORATORY NAME: Severn Trent Services WELL NUMBER: CAFB-B

WELL DEPTH: 362.3 feet WELL CASING VOLUME: 32.17 gallons

DATE SAMPLED: 06-06-2006 LABORATORY SAMPLE I.D.#: D6F070234-002

TIME SAMPLED: 0845 DATE RECEIVED BY LAB: 06-07-2006

PARAMETERS	STORET CODE	UNITS	VALUE	DATE
Elevation of G. Water	71993	ft.	3955.86	06-06-2006
Flow Rate	00059	gal/min.	0.63	06-06-2006
Pump Period	72004	min.	28	06-06-2006
Volume Evacuated	73675	gal	20	06-06-2006
Well Sampling Method	84077	---	PSPMP	N/A

Sampler Material: Teflon / PE Well Sampling Method: Bennett Pump

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.12	N/A	06-06-2006	Field electrometer
Specific Conductivity	00095	µs/cm	744	N/A	06-06-2006	Field electrometer
T.O.X.	70354	µg/L	ND	30	06-08-2006	SW9020B
T.O.C.	00680	mg/L	0.35 B,J	1	06-10-2006	SW9060

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MONITORING WELL ANNUAL SAMPLING REPORT

SAMPLES COLLECTED BY	Fredrick E. Gebhardt		
LABORATORY NAME	Severn Trent Services	WELL NUMBER	CAFB-C
WELL DEPTH	362 feet	WELL CASING VOLUME	29.49 gallons
DATE SAMPLED	06/06/2006	LABORATORY SAMPLE I.D.#	D6F080262-002
TIME SAMPLED	1555	DATE RECEIVED BY LAB	06-08-2006

PARAMETERS	STORET CODE	UNITS	VALUE	DATE
Elevation of G. Water	71993	ft.	3,953.21	06-06-2006
Flow Rate	00059	gal/min.	1.21	06-06-2006
Pump Period	72004	min.	33	06-06-2006
Volume Evacuated	73675	gal	40	06-06-2006
Well Sampling Method	84077	---	PSPMP	N/A

Sampler Material:	Teflon / PE	Well Sampling Method	Bennett Pump

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.56	N/A	06-06-2006	Field electrometer
Specific Conductivity	00095	µs/cm	606	N/A	06-06-2006	Field electrometer
T.O.X.	70354	µg/L	ND IC	60	07-03-2006	SW9020B
T.O.C.	00680	mg/L	0.9 B,J	1	06-28-2006	SW9060

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MONITORING WELL ANNUAL SAMPLING REPORT

SAMPLES COLLECTED BY	Fredrick E. Gebhardt		
LABORATORY NAME	Severn Trent Services	WELL NUMBER	CAFB-D
WELL DEPTH	356.75 feet	WELL CASING VOLUME	30.1 gallons
DATE SAMPLED	06-06-2006	LABORATORY SAMPLE I.D.#	D6F080262-004
TIME SAMPLED	1255	DATE RECEIVED BY LAB	06-08-2006

PARAMETERS	STORET CODE	UNITS	VALUE	DATE
Elevation of G. Water	71993	ft.	3,957.4	06-06-2006
Flow Rate	00059	gal/min.	1.19	06-06-2006
Pump Period	72004	min.	37	06-06-2006
Volume Evacuated	73675	gal	40	06-06-2006
Well Sampling Method	84077	---	PSPMP	N/A

Sampler Material: Teflon / PE Well Sampling Method Bennett Pump

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.52	N/A	06-06-2006	Field electrometer
Specific Conductivity	00095	µs/cm	606	N/A	06-06-2006	Field electrometer
T.O.X.	70354	µg/L	ND IC	60	07-03-2006	SW9020B
T.O.C.	00680	mg/L	0.82 B,J	1	06-28-2006	SW9060

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NAME (PRINTED) Fredrick E. Gebhardt

MONITORING WELL ANNUAL SAMPLING REPORT

SAMPLES COLLECTED BY	Fredrick E. Gebhardt		
LABORATORY NAME	Severn Trent Services	WELL NUMBER	CAFB-E
WELL DEPTH	373 feet	WELL CASING VOLUME	41.73 gallons
DATE SAMPLED	06-06-2006	LABORATORY SAMPLE I.D.#	D6F080250-004
TIME SAMPLED	1245	DATE RECEIVED BY LAB	06-08-2006

PARAMETERS	STORET CODE	UNITS	VALUE	DATE
Elevation of G. Water	71993	ft.	3,979.48	06-06-2006
Flow Rate	00059	gal/min.	1.16	06-06-2006
Pump Period	72004	min.	43	06-06-2006
Volume Evacuated	73675	gal	50	06-06-2006
Well Sampling Method	84077	---	PSPMP	N/A

Sampler Material: Teflon / PE Well Sampling Method Bennett Pump

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.65	N/A	06-06-2006	Field electrometer
Specific Conductivity	00095	µs/cm	689	N/A	06-06-2006	Field electrometer
T.O.X.	70354	µg/L	NR	N/A	N/A	N/A
T.O.C.	00680	mg/L	0.72 B,J	5.0	06-10-2006	SW9060

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MONITORING WELL ANNUAL SAMPLING REPORT

SAMPLES COLLECTED BY	Fredrick E. Gebhardt		
LABORATORY NAME	Severn Trent Services	WELL NUMBER	CAFB-F
WELL DEPTH	375 feet	WELL CASING VOLUME	44.04 gallons
DATE SAMPLED	06-07-2006	LABORATORY SAMPLE I.D.#	D6F080250-001
TIME SAMPLED	0950	DATE RECEIVED BY LAB	06-08-2006

PARAMETERS	STORET CODE	UNITS	VALUE	DATE
Elevation of G. Water	71993	ft.	3,977.2	06-07-2006
Flow Rate	00059	gal/min.	1.03	06-07-2006
Pump Period	72004	min.	39	06-07-2006
Volume Evacuated	73675	gal	40	06-07-2006
Well Sampling Method	84077	---	PSPMP	N/A

Sampler Material: Teflon / PE Well Sampling Method Bennett Pump

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.63	N/A	06-07-2006	Field electrometer
Specific Conductivity	00095	µs/cm	923	N/A	06-07-2006	Field electrometer
T.O.X.	70354	µg/L	NR	N/A	N/A	SW9020B
T.O.C.	00680	mg/L	0.48 B,J	1	06-10-2006	SW9060

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MONITORING WELL ANNUAL SAMPLING REPORT

SAMPLES COLLECTED BY	Fredrick E. Gebhardt		
LABORATORY NAME	Severn Trent Services	WELL NUMBER	CAFB-G
WELL DEPTH	372 feet	WELL CASING VOLUME	40.8 gallons
DATE SAMPLED	06-07-2006	LABORATORY SAMPLE I.D.#	D6F080250-003
TIME SAMPLED	1040	DATE RECEIVED BY LAB	06-08-2006

PARAMETERS	STORET CODE	UNITS	VALUE	DATE
Elevation of G. Water	71993	ft.	3,975.87	06-07-2006
Flow Rate	00059	gal/min.	1.22	06-07-2006
Pump Period	72004	min.	43	06-07-2006
Volume Evacuated	73675	gal	50	06-07-2006
Well Sampling Method	84077	---	PSPMP	N/A

Sampler Material: Teflon / PE Well Sampling Method Bennett Pump

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.57	N/A	06-07-2006	Field electrometer
Specific Conductivity	00095	µs/cm	853	N/A	06-07-2006	Field electrometer
T.O.X.	70354	µg/L	NR	N/A	N/A	SW9020B
T.O.C.	00680	mg/L	0.55 B,J	1	06-07-2006	SW9060

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MONITORING WELL ANNUAL SAMPLING REPORT

SAMPLES COLLECTED BY	Fredrick E. Gebhardt		
LABORATORY NAME	Severn Trent Services	WELL NUMBER	CAFB-H
WELL DEPTH	375 feet	WELL CASING VOLUME	42.8 gallons
DATE SAMPLED	06-07-2006	LABORATORY SAMPLE I.D.#	D6F080250-002
TIME SAMPLED	1055	DATE RECEIVED BY LAB	06-08-2006

PARAMETERS	STORET CODE	UNITS	VALUE	DATE
Elevation of G. Water	71993	ft.	3,975.72	06-07-2006
Flow Rate	00059	gal/min.	1.30	06-07-2006
Pump Period	72004	min.	31	06-07-2006
Volume Evacuated	73675	gal	40	06-07-2006
Well Sampling Method	84077	---	PSPMP	N/A

Sampler Material: Teflon / PE Well Sampling Method Bennett Pump

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.67	N/A	06-07-2006	Field electrometer
Specific Conductivity	00095	µs/cm	784	N/A	06-07-2006	Field electrometer
T.O.X.	70354	µg/L	NR	N/A	N/A	SW9020B
T.O.C.	00680	mg/L	0.45 B,J	1	06-10-2006	SW9060

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NAME (PRINTED) Fredrick E. Gebhardt

MONITORING WELL ANNUAL SAMPLING REPORT

SAMPLES COLLECTED BY	Fredrick E. Gebhardt		
LABORATORY NAME	Severn Trent Services	WELL NUMBER	CAFB-S
WELL DEPTH	365 feet	WELL CASING VOLUME	33.04 gallons
DATE SAMPLED	06-06-2006	LABORATORY SAMPLE I.D.#	D6F080262-003
TIME SAMPLED	1120	DATE RECEIVED BY LAB	06-08-2006

PARAMETERS	STORET CODE	UNITS	VALUE	DATE
Elevation of G. Water	71993	ft.	3,953.1	06-06-2006
Flow Rate	00059	gal/min.	1.25	06-06-2006
Pump Period	72004	min.	33	06-06-2006
Volume Evacuated	73675	gal	40	06-06-2006
Well Sampling Method	84077	---	PSPMP	N/A

Sampler Material: Teflon / PE Well Sampling Method Bennett Pump

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.64	N/A	06-06-2006	Field electrometer
Specific Conductivity	00095	µs/cm	779	N/A	06-06-2006	Field electrometer
T.O.X.	70354	µg/L	ND IC	60	07-03-2006	SW9020B
T.O.C.	00680	mg/L	0.73 B,J	1	06-28-2006	SW9060

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NAME (PRINTED) Fredrick E. Gebhardt

MONITORING WELL ANNUAL SAMPLING REPORT

SAMPLES COLLECTED BY	Fredrick E. Gebhardt		
LABORATORY NAME	Severn Trent Services	WELL NUMBER	CAFB-T
WELL DEPTH	365 feet	WELL CASING VOLUME	33.93 gallons
DATE SAMPLED	06-06-2006	LABORATORY SAMPLE I.D.#	D6F080262-001
TIME SAMPLED	1005	DATE RECEIVED BY LAB	06-08-2006

PARAMETERS	STORET CODE	UNITS	VALUE	DATE
Elevation of G. Water	71993	ft.	3,954.5	06-06-2006
Flow Rate	00059	gal/min.	1.2	06-06-2006
Pump Period	72004	min.	35	06-06-2006
Volume Evacuated	73675	gal	40	06-06-2006
Well Sampling Method	84077	---	PSPMP	N/A

Sampler Material: Teflon Well Sampling Method Bennett Pump

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.68	N/A	06-06-2006	Field electrometer
Specific Conductivity	00095	µs/cm	757	N/A	06-06-2006	Field electrometer
T.O.X.	70354	µg/L	ND IC	60	07-03-2006	SW9020B
T.O.C.	00680	mg/L	0.81 B,J	1	06-28-2006	SW9060

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NAME (PRINTED) Fredrick E. Gebhardt

MONITORING WELL ANNUAL SAMPLING REPORT

SAMPLES COLLECTED BY	Fredrick E. Gebhardt		
LABORATORY NAME	Severn Trent Services	WELL NUMBER	CAFB-U
WELL DEPTH	365 feet	WELL CASING VOLUME	34.53 gallons
DATE SAMPLED	06-05-2006	LABORATORY SAMPLE I.D.#	D6F070234-003
TIME SAMPLED	1515	DATE RECEIVED BY LAB	06-07-2006

PARAMETERS	STORET CODE	UNITS	VALUE	DATE
Elevation of G. Water	71993	ft.	3,957.02	06-05-2006
Flow Rate	00059	gal/min.	0.78	06-05-2006
Pump Period	72004	min.	49	06-05-2006
Volume Evacuated	73675	gal	40	06-05-2006
Well Sampling Method	84077	---	PSPMP	N/A

Sampler Material: Teflon / PE Well Sampling Method Bennett Pump

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.77	N/A	06-05-2006	Field electrometer
Specific Conductivity	00095	µs/cm	770	N/A	06-05-2006	Field electrometer
T.O.X.	70354	µg/L	ND	30	06-08-2006	SW9020B
T.O.C.	00680	mg/L	0.37 B,J	1	6-10-2006	SW9060

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NAME (PRINTED) Fredrick E. Gebhardt

Appendix I

Severn Trent Laboratory Results of Analysis of Landfill 5
Ground Water Samples
Collected July 5, 6, and 7, 2006

SEVERN TRENT STL

STL Denver
4955 Yarrow Street
Arvada, CO 80002

Tel: 303 736 0100 Fax: 303 431 7171
www.stl-inc.com

ANALYTICAL REPORT

Cannon AFB
SDG: CANNON9
Lot #: D6F070234, D6F080262

Richard Daddow

U.S. Geological Survey

STL DENVER

Karen Kuoppala
Project Manager

July 7, 2006

With exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory quality control samples analyzed in conjunction with the samples in this project were within established control limits.

The test results presented in this report meet all requirements of NELAC, and any exceptions are noted. This report shall not be reproduced, except in full, without written permission from the laboratory.

Sample Receiving

Four samples were received under chain of custody on June 7, 2006 and logged under lot D6F070234. Five samples were received under chain of custody on June 8, 2006 and logged under lot D6F080262. These lots are reported here under SDG CANNON9.

The samples were received at temperatures of 2.1°C, 2.3°C, 2.0°C, 2.5°C, and 3.9°C.

Samples collected for method 8280A were shipped to STL Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605. The results of these analyses are included in this report.

As per client instruction, the samples were logged for nitrate only by EPA method 353.2.

The trip blank, sample D6F070234-004 was not listed on the chain of custody. The client was notified and this was logged for 8260B.

The chain of custody for samples in lot D6F070234 requested silicon, however silica was logged as per previous lots. The client was notified.

GC/MS – Volatiles, SW846 8260B

Sample D6F070234-004 demonstrated recovery of the surrogate dibromofluoromethane above upper control limits, indicating a possible high bias. Because there were no positive detects above the reporting limit, no corrective action was taken.

The method blank associated with QC batch 6166107 contained methylene chloride at a concentration below the reporting limit, but above the method detection limit. Associated positive sample results have been flagged "B".

The MS/MSD associated with QC batch 6166107 was performed on a sample from another lot and/or client and was in control.

The MS/MSD associated with QC batch 6171269 was performed on sample D6F080262-004 and was in control. In addition, a second MS/MSD associated with this batch was performed on a sample from another lot and/or client and was in control.

GC/MS – Semi-Volatiles, SW846 8270C

Samples D6F080262-001 through 005 were initially extracted in QC batch 6160474. The LCSD for this batch failed recovery for 2-chlorophenol, phenol, and the surrogates 2-fluorophenol and phenol-d5. Because the samples were still within holding time, they were re-extracted. However, there was insufficient volume to prepare a MS/MSD a second time. As a result, the data for D6F080262-004 and 004MS/MSD has been reported in batch 6160474. Data for D6F080262-004 was also reported in batch 6164539. Data for samples D6F080262-001, 002, 003, and 005 was only reported in batch 6164539.

A MS/MSD was not requested for batch 6158472 and the lab was unable to designate one due to insufficient sample volume.

The method blank associated with batch 6164539 demonstrated recovery of the surrogate phenol-d5 below control limits. Because the surrogates in all the associated samples were in control, no corrective action was taken.

The MS/MSD associated with batch 6160474 was performed on sample D6F080262-004 and was in control. In addition, a second MS/MSD associated with this batch was performed on a sample from another lot and/or client and was in control.

GC – Pesticides, SW846 8081A

A MS/MSD was not requested for batch 6159184 and the lab was unable to designate one due to insufficient sample volume.

The MS/MSD associated with batch 6160554 was performed on sample D6F080262-004 and was in control.

GC – PCBs, SW846 8082

Sample D6F070234-001 demonstrated recovery of the surrogate tetrachloro-m-xylene below lower control limits, indicating a possible low bias. There were no target compounds detected in the sample, and the other surrogate decachlorobiphenyl recovered within control limits. In addition, due to a re-exrtaction performed for another method, there was no volume remaining to re-extract this sample.

A MS/MSD was not requested for batch 6159175 and the lab was unable to designate one due to insufficient sample volume.

The MS/MSD associated with batch 6160555 was performed on sample D6F080262-004 and was in control.

GC – Herbicides, SW846 8151A

The MS/MSD associated with batch 6160093 was performed on sample D6F080262-004 and was in control.

No anomalies were observed.

GC/MS – Dioxins, SW846 8280A

A MS/MSD was not requested for batch 6166384 and the lab was unable to designate one due to insufficient sample volume.

The MSD associated with batch 6166386 was performed on sample D6F080262-004 and demonstrated recovery of 1,2,3,7,8-PeCDD and 1,2,3,7,8-PeCDF above upper control limits.

HPLC/MS – Perchlorate, SW846 8321A

Samples D6F070234-001 through 003 and D6F080262-001 through 005 were analyzed at a dilution due to the concentration of perchlorate detected. The reporting limits have been adjusted accordingly.

The MS/MSD performed on sample D6F080262-004 was in control.

The MS/MSD associated with QC batch 6159389 was performed on a sample from another lot and/or client and was in control.

HPLC – PAHs, SW846 8310

Naphthalene detected in sample D6F070234-001 demonstrated a percent difference greater than 40% between the concentration detected on the primary detector and the confirmation detector. The results have flagged "COL" and the lower of the two results has been reported.

A MS/MSD was not requested for batch 6160539 and the lab was unable to designate one due to insufficient sample volume.

The MS/MSD associated with batch 6163113 was performed on sample D6F080262-004 and demonstrated recoveries of fluorene above control limits.

Total Metals, SW846 6010B, 6020, 7470A

Aluminum, calcium, sodium, and zinc were detected in the method 6010B blank associated with QC batch 6173338 at concentrations below the reporting limits, but above the method detection limits. Associated positive sample results are flagged "J".

Boron was detected in the method 6010B blank associated with QC batch 6159567 at a concentration below the reporting limit, but above the method detection limit. Associated positive sample results are flagged "J".

Chromium was detected in the method 6020 blank associated with QC batch 6173296 at a concentration below the reporting limit, but above the method detection limit. Associated positive sample results are flagged "J".

The method 6020 MS/MSD associated with batch 6173296 was performed on sample D6F080262-004 and was in control.

The method 6020 MS/MSD associated with batch 6159567 was performed on sample D6F070234-002 and was in control.

The method 6010B MS/MSD associated with QC batch 6173338 was performed on sample D6F080262-004 and was in control.

The method 6010B MS/MSD associated with batch 6159602 was performed on a sample from another lot and/or client and was in control.

The method 7470A MS/MSD associated with batch 6159310 was performed on a sample from another client and/or lot and was in control.

The method 7470A MS/MSD associated with batch 6170376 was performed on sample D6F080262-004 and was in control.

General Chemistry, Various Methods

Samples D6F070234-002, 003, and D6F080262-001, 002, 003, 04, and 005 were analyzed at dilutions for one or more parameters due to high analyte concentrations, or matrix interference. The reporting limits have been adjusted accordingly and the associated sample data are flagged "Q" or "IC".

Sulfate was detected in the method 300.0A blanks at a concentration below the reporting limit, but above the method detection limit. Associated positive sample results are flagged "J".

Total organic carbon was detected in the method 9060 blanks at a concentration below the reporting limit, but above the method detection limit. Associated positive sample results are flagged "J".

The relative percent difference between the LCS/LCSD for nitrate on QC batch 6181252 was above control limits. The individual recoveries were in control, so no corrective action was taken.

The method 300.0A MS/MSD was performed on sample D6F080262-004 and was in control. The reported concentrations for sulfate are above the calibration range and are flagged "I" to indicate an estimated value.

A method 9020B MS/MSD was performed on sample D6F070234-001 and was in control for total organic halogens.

A method 9020B MS/MSD was performed on sample D6F080262-004 and was in control for total organic halogens.

A method 9060 MS/MSD was performed on sample D6F080262-004 and was in control for total organic carbon.

All other MS/MSDs were performed on samples from other clients and/or lots and were not in control for ortho-phosphate and sulfate by method 300.0A.

All method duplicates were performed on samples from another client and/or lot and were in control.

Quality Control Definitions of Terms

Term	Definition
Batch	A set of up to 20 field samples plus associated laboratory QC samples that are similar in composition (matrix) and that are processed within the same time period with the same reagent and standard lots.
Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD)	A volume of regent water for aqueous samples or a contaminant-free solid matrix (Ottawa sand) for soil and sediment samples which is spiked with known amounts of representative target analytes and required surrogates. A LCS is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. An LCSD is a second Laboratory Control Sample.
Matrix Spike and Matrix Spike Duplicate (MS/MSD)	A field sample fortified with known quantities of target analytes that are also added to the LCS. Matrix spike duplicate is a second matrix spike sample. MSs/MSDs are carried throughout he entire analytical process and are used to determine sample matrix effect on accuracy of the measurement system. The accuracy and precision estimated using MS/MSD is only representative of the precision of the sample that was spiked.
Method Blank	A sample composed of all the reagents (in the same quantities) in reagent water carried through the entire analytical process. The method blank is used to monitor the level of contamination introduced during sample preparation steps.
Surrogate	Organic constituents not expected to be detected in environmental media and are added to every sample and QC at a known concentration. Surrogates are used to determine the efficiency of the sample preparation and the analytical process.
Sample Duplicate	A second aliquot of an environmental sample, taken form the same sample container when possible, that is processed independently with the first sample aliquot. The results are used to assess the effect of the sample matrix on the precision of the analytical process. The precision estimated using this sample is not necessarily representative to the precision for other samples in the batch.
Method Detection Limit "MDL"	The method detection limit is defined as the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from replicate analyses of low level standards in a typical representative matrix.
Reporting Limit "RL"	The STL reporting limit is normally the lowest level at which measurements become quantitatively meaningful, ie., the quantitation limit, which is approximately three times the MDL. Some projects require RLs that are less than the quantitation limit to achieve particular maximum contaminant levels (MCLs) or relevant and appropriate requirements (ARARs), but RLs cannot be less than the statistically determined MDL.

Quality Control Definitions of Qualifiers

Qualifier	Definition
*	Surrogate or Relative Percent Difference (RPD) is outside control limits.
a	Spiked analyte recovery is outside control limits.
B	Organics: Method blank contamination. The associated method blank contains the target analyte at a reportable level. Inorganics: Estimated result. Result is less than the RL
COL	More than 40% difference between the primary and confirmation detector results. The lower of the two results is reported.
DIL	The concentration is estimated or not reported due to dilution.
E	Estimated result. Result concentrations exceeds the calibration range.
G	Inorganics: Elevated reporting limit. The reporting limit is elevated due to matrix interference.
J	Organics: Estimated result. Result is less than RL Inorganics: Method blank contamination. The associated method blank contains the target analyte at a reportable level.
L	Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present
N	Spiked analyte recovery is outside stated control limits.
NC	The recovery and/or RPD were not calculated.
ND	The analyte was not detected at the MDL concentration and with a measurable degree of confidence can be said not to be present at or above the RL concentration.
p	Relative percent difference (RPD) is outside stated control limits.
Q	Elevated reporting limit. The reporting limit is elevated due to high analyte levels.
V	General Chemistry: Elevated reporting limit due to limited sample volume.
Wa	Post digestion spike recovery fell between 40-85% due to matrix interference.
Wb	Post digestion spike recovery fell between 115-150% due to matrix interference.
I	Percent recovery is estimated since the results exceeded the calibration range.
T1	A tentatively identified compound that did not generate a spectral match of 80% or greater. Typically called "unknown"
T2	A tentatively identified compound with a spectral match of 80% or better
T3	A tentatively identified compound that was calibrated for by the lab, but not on the client target analyte list.
IC	Diluted due to high inorganic chloride.

EXECUTIVE SUMMARY - Detection Highlights

CANNON9 : D6F070234

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
CAFB-A 06/05/06 13:25 001				
Naphthalene	0.11	1.0	ug/L	SW846 8310
	Qualifiers: J,COL			
Perchlorate	2.1	0.10	ug/L	SW846 6860
Arsenic	5.8	5.0	ug/L	SW846 6020
Chromium	1.9 B	2.0	ug/L	SW846 6020
Lead	0.22 B	1.0	ug/L	SW846 6020
Selenium	5.8	5.0	ug/L	SW846 6020
Thallium	0.039 B	1.0	ug/L	SW846 6020
Barium	33	10	ug/L	SW846 6010B
Boron	170 J	100	ug/L	SW846 6010B
Calcium	33000	200	ug/L	SW846 6010B
Iron	34 B	100	ug/L	SW846 6010B
Potassium	6200	3000	ug/L	SW846 6010B
Magnesium	31000	200	ug/L	SW846 6010B
Sodium	49000	5000	ug/L	SW846 6010B
Silica	36000	1100	ug/L	SW846 6010B
Vanadium	35	10	ug/L	SW846 6010B
Zinc	6.7 B	20	ug/L	SW846 6010B
Methylene chloride	0.43 J,B	5.0	ug/L	SW846 8260B
Total Dissolved Solids	390	10	mg/L	MCAWW 160.1
Nitrate	1.8	0.10	mg/L	MCAWW 353.2
Chloride	38	3.0	mg/L	MCAWW 300.0A
Sulfate	87 J,Q	25	mg/L	MCAWW 300.0A
Fluoride	2.7	1.0	mg/L	MCAWW 300.0A
Nitrate	1.8	0.50	mg/L	MCAWW 300.0A
Total Organic Carbon	0.47 B,J	1.0	mg/L	SW846 9060
Bromide	0.29	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	170	5.0	mg/L	MCAWW 310.1
CAFB-B 06/06/06 08:45 002				
Perchlorate	2.5	0.10	ug/L	SW846 6860
Arsenic	4.9 B	5.0	ug/L	SW846 6020
Chromium	1.8 B	2.0	ug/L	SW846 6020
Lead	0.28 B	1.0	ug/L	SW846 6020
Selenium	6.7	5.0	ug/L	SW846 6020
Thallium	0.038 B	1.0	ug/L	SW846 6020
Barium	30	10	ug/L	SW846 6010B
Boron	190 J	100	ug/L	SW846 6010B
Calcium	40000	200	ug/L	SW846 6010B
Potassium	7000	3000	ug/L	SW846 6010B
Magnesium	37000	200	ug/L	SW846 6010B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

CANNON9 : D6F070234

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
CAFB-B 06/06/06 08:45 002				
Sodium	57000	5000	ug/L	SW846 6010B
Silica	37000	1100	ug/L	SW846 6010B
Vanadium	27	10	ug/L	SW846 6010B
Zinc	5.2 B	20	ug/L	SW846 6010B
Methylene chloride	0.38 J,B	5.0	ug/L	SW846 8260B
Total Dissolved Solids	470	10	mg/L	MCAWW 160.1
Nitrate	0.99	0.10	mg/L	MCAWW 353.2
Chloride	48 Q	15	mg/L	MCAWW 300.0A
Sulfate	120 J,Q	25	mg/L	MCAWW 300.0A
Fluoride	2.6	1.0	mg/L	MCAWW 300.0A
Nitrate	1.0	0.50	mg/L	MCAWW 300.0A
Total Organic Carbon	0.35 B,J	1.0	mg/L	SW846 9060
Bromide	0.39	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	170	5.0	mg/L	MCAWW 310.1
CAFB-U 06/05/06 15:15 003				
Perchlorate	2.5	0.10	ug/L	SW846 6860
Arsenic	5.4	5.0	ug/L	SW846 6020
Chromium	3.7	2.0	ug/L	SW846 6020
Lead	0.18 B	1.0	ug/L	SW846 6020
Selenium	7.3	5.0	ug/L	SW846 6020
Thallium	0.035 B	1.0	ug/L	SW846 6020
Aluminum	110	100	ug/L	SW846 6010B
Barium	41	10	ug/L	SW846 6010B
Boron	180 J	100	ug/L	SW846 6010B
Calcium	46000	200	ug/L	SW846 6010B
Iron	190	100	ug/L	SW846 6010B
Potassium	6900	3000	ug/L	SW846 6010B
Magnesium	39000	200	ug/L	SW846 6010B
Manganese	11	10	ug/L	SW846 6010B
Sodium	53000	5000	ug/L	SW846 6010B
Silica	37000	1100	ug/L	SW846 6010B
Vanadium	28	10	ug/L	SW846 6010B
Zinc	20	20	ug/L	SW846 6010B
Methylene chloride	0.43 J,B	5.0	ug/L	SW846 8260B
Total Dissolved Solids	480	10	mg/L	MCAWW 160.1
Nitrate	0.92	0.10	mg/L	MCAWW 353.2
Chloride	67 Q	15	mg/L	MCAWW 300.0A
Sulfate	130 J,Q	25	mg/L	MCAWW 300.0A
Fluoride	2.5	1.0	mg/L	MCAWW 300.0A

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EXECUTIVE SUMMARY - Detection Highlights

CANNON9 : D6F070234

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
CAFB-U 06/05/06 15:15 003				
Nitrate	0.98	0.50	mg/L	MCAWW 300.0A
Total Organic Carbon	0.37 B,J	1.0	mg/L	SW846 9060
Bromide	0.50	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	170	5.0	mg/L	MCAWW 310.1
TRIP BLANK 06/05/06 004				
Methylene chloride	0.53 J,B	5.0	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

CANNON9 : D6F080262

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
CAFB-T 06/06/06 10:05 001				
Isodrin	0.026 J	0.10	ug/L	SW846 8081A
Perchlorate	2.3	0.10	ug/L	SW846 6860
Silver	0.45 B	5.0	ug/L	SW846 6020
Arsenic	5.3	5.0	ug/L	SW846 6020
Chromium	3.4 J	2.0	ug/L	SW846 6020
Lead	0.24 B	1.0	ug/L	SW846 6020
Selenium	5.2	5.0	ug/L	SW846 6020
Aluminum	130 J	100	ug/L	SW846 6010B
Barium	35	10	ug/L	SW846 6010B
Boron	170	100	ug/L	SW846 6010B
Calcium	41000 J	200	ug/L	SW846 6010B
Iron	220	100	ug/L	SW846 6010B
Potassium	6400	3000	ug/L	SW846 6010B
Magnesium	36000	200	ug/L	SW846 6010B
Manganese	7.2 B	10	ug/L	SW846 6010B
Molybdenum	6.0 B	20	ug/L	SW846 6010B
Sodium	49000 J	5000	ug/L	SW846 6010B
Silica	35000	1100	ug/L	SW846 6010B
Vanadium	30	10	ug/L	SW846 6010B
Zinc	23 J	20	ug/L	SW846 6010B
Total Dissolved Solids	470	10	mg/L	MCAWW 160.1
Nitrate	0.91	0.10	mg/L	MCAWW 353.2
Chloride	51 Q	15	mg/L	MCAWW 300.0A
Sulfate	120 J,Q	25	mg/L	MCAWW 300.0A
Fluoride	2.3	1.0	mg/L	MCAWW 300.0A
Nitrate	0.91	0.50	mg/L	MCAWW 300.0A
Total Organic Carbon	0.81 B,J	1.0	mg/L	SW846 9060
Bromide	0.44	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	150	5.0	mg/L	MCAWW 310.1
CAFB-C 06/06/06 15:55 002				
Perchlorate	0.26	0.10	ug/L	SW846 6860
Arsenic	4.9 B	5.0	ug/L	SW846 6020
Chromium	1.5 B,J	2.0	ug/L	SW846 6020
Lead	0.26 B	1.0	ug/L	SW846 6020
Aluminum	35 B,J	100	ug/L	SW846 6010B
Barium	62	10	ug/L	SW846 6010B
Boron	210	100	ug/L	SW846 6010B
Calcium	31000 J	200	ug/L	SW846 6010B
Iron	90 B	100	ug/L	SW846 6010B
Potassium	6000	3000	ug/L	SW846 6010B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

CANNON9 : D6F080262

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
CAFB-C 06/06/06 15:55 002				
Magnesium	30000	200	ug/L	SW846 6010B
Manganese	5.8 B	10	ug/L	SW846 6010B
Sodium	48000 J	5000	ug/L	SW846 6010B
Silica	39000	1100	ug/L	SW846 6010B
Vanadium	38	10	ug/L	SW846 6010B
Zinc	59 J	20	ug/L	SW846 6010B
Trichloroethene	0.43 J	1.0	ug/L	SW846 8260B
Total Dissolved Solids	360	10	mg/L	MCAWW 160.1
Nitrate	2.1	0.10	mg/L	MCAWW 353.2
Chloride	9.6	3.0	mg/L	MCAWW 300.0A
Sulfate	45 J	5.0	mg/L	MCAWW 300.0A
Fluoride	2.2	1.0	mg/L	MCAWW 300.0A
Nitrate	1.9	0.50	mg/L	MCAWW 300.0A
Total Organic Carbon	0.90 B,J	1.0	mg/L	SW846 9060
Bromide	0.21	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	240	5.0	mg/L	MCAWW 310.1
Total Cyanide	0.0067 B	0.010	mg/L	MCAWW 335.3
CAFB-S 06/06/06 11:20 003				
Perchlorate	2.6	0.10	ug/L	SW846 6860
Arsenic	4.8 B	5.0	ug/L	SW846 6020
Chromium	2.3 J	2.0	ug/L	SW846 6020
Lead	0.25 B	1.0	ug/L	SW846 6020
Selenium	4.9 B	5.0	ug/L	SW846 6020
Aluminum	110 J	100	ug/L	SW846 6010B
Barium	39	10	ug/L	SW846 6010B
Boron	170	100	ug/L	SW846 6010B
Calcium	45000 J	200	ug/L	SW846 6010B
Iron	94 B	100	ug/L	SW846 6010B
Potassium	6700	3000	ug/L	SW846 6010B
Magnesium	40000	200	ug/L	SW846 6010B
Manganese	9.0 B	10	ug/L	SW846 6010B
Sodium	50000 J	5000	ug/L	SW846 6010B
Silica	37000	1100	ug/L	SW846 6010B
Vanadium	32	10	ug/L	SW846 6010B
Zinc	20 J	20	ug/L	SW846 6010B
Total Dissolved Solids	480	10	mg/L	MCAWW 160.1
Nitrate	1.3	0.10	mg/L	MCAWW 353.2
Chloride	60 Q	15	mg/L	MCAWW 300.0A
Sulfate	110 J,Q	25	mg/L	MCAWW 300.0A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

CANNON9 : D6F080262

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
CAFB-S 06/06/06 11:20 003				
Fluoride	2.3	1.0	mg/L	MCAWW 300.0A
Nitrate	1.2	0.50	mg/L	MCAWW 300.0A
Total Organic Carbon	0.73 B,J	1.0	mg/L	SW846 9060
Bromide	0.47	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	150	5.0	mg/L	MCAWW 310.1
Total Cyanide	0.0024 B	0.010	mg/L	MCAWW 335.3
CAFB-D 06/06/06 12:55 004				
Perchlorate	0.25	0.10	ug/L	SW846 6860
Arsenic	4.6 B	5.0	ug/L	SW846 6020
Chromium	1.2 B,J	2.0	ug/L	SW846 6020
Lead	0.36 B	1.0	ug/L	SW846 6020
Antimony	0.24 B	2.0	ug/L	SW846 6020
Aluminum	25 B,J	100	ug/L	SW846 6010B
Barium	93	10	ug/L	SW846 6010B
Boron	200	100	ug/L	SW846 6010B
Calcium	34000 J	200	ug/L	SW846 6010B
Copper	8.2 B	20	ug/L	SW846 6010B
Iron	200	100	ug/L	SW846 6010B
Potassium	6300	3000	ug/L	SW846 6010B
Magnesium	32000	200	ug/L	SW846 6010B
Manganese	4.3 B	10	ug/L	SW846 6010B
Sodium	49000 J	5000	ug/L	SW846 6010B
Silica	41000	1100	ug/L	SW846 6010B
Vanadium	39	10	ug/L	SW846 6010B
Zinc	16 B,J	20	ug/L	SW846 6010B
Trichloroethene	0.27 J	1.0	ug/L	SW846 8260B
Total Dissolved Solids	360	10	mg/L	MCAWW 160.1
Nitrate	1.5	0.10	mg/L	MCAWW 353.2
Chloride	8.8	3.0	mg/L	MCAWW 300.0A
Sulfate	29 J	5.0	mg/L	MCAWW 300.0A
Fluoride	2.0	1.0	mg/L	MCAWW 300.0A
Nitrate	1.3	0.50	mg/L	MCAWW 300.0A
Total Organic Carbon	0.82 B,J	1.0	mg/L	SW846 9060
Bromide	0.20	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	270	5.0	mg/L	MCAWW 310.1

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EXECUTIVE SUMMARY - Detection Highlights

CANNON9 : D6F080262

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
CAFB-DD 06/06/06 13:05 005				
Perchlorate	0.26	0.10	ug/L	SW846 6860
Arsenic	4.7 B	5.0	ug/L	SW846 6020
Chromium	1.4 B,J	2.0	ug/L	SW846 6020
Lead	0.41 B	1.0	ug/L	SW846 6020
Antimony	0.24 B	2.0	ug/L	SW846 6020
Aluminum	84 B,J	100	ug/L	SW846 6010B
Barium	89	10	ug/L	SW846 6010B
Boron	200	100	ug/L	SW846 6010B
Calcium	32000 J	200	ug/L	SW846 6010B
Iron	220	100	ug/L	SW846 6010B
Potassium	6100	3000	ug/L	SW846 6010B
Magnesium	31000	200	ug/L	SW846 6010B
Manganese	4.8 B	10	ug/L	SW846 6010B
Sodium	46000 J	5000	ug/L	SW846 6010B
Silica	39000	1100	ug/L	SW846 6010B
Vanadium	37	10	ug/L	SW846 6010B
Zinc	8.6 B,J	20	ug/L	SW846 6010B
Trichloroethene	0.28 J	1.0	ug/L	SW846 8260B
Total Dissolved Solids	350	10	mg/L	MCAWW 160.1
Nitrate	1.5	0.10	mg/L	MCAWW 353.2
Chloride	8.8	3.0	mg/L	MCAWW 300.0A
Sulfate	29 J	5.0	mg/L	MCAWW 300.0A
Fluoride	2.0	1.0	mg/L	MCAWW 300.0A
Nitrate	1.3	0.50	mg/L	MCAWW 300.0A
Total Organic Carbon	0.82 B,J	1.0	mg/L	SW846 9060
Bromide	0.21	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	280	5.0	mg/L	MCAWW 310.1

METHODS SUMMARY

CANNON9

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Alkalinity	MCAWW 310.1	MCAWW 310.1
Bromide	MCAWW 300.0A	MCAWW 300.0A
Chloride	MCAWW 300.0A	MCAWW 300.0A
Chlorinated Herbicides by GC	SW846 8151A	SW846 8151A
Dioxins/Furans, HRGC/LRMS (8280A)	SW846 8280A	SW846 8280A
Filterable Residue (TDS)	MCAWW 160.1	MCAWW 160.1
Fluoride	MCAWW 300.0A	MCAWW 300.0A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3010A
ICP-MS (6020)	SW846 6020	SW846 3020A
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A	SW846 7470A
Nitrate	MCAWW 353.2	MCAWW 353.2
Nitrate as N	MCAWW 300.0A	MCAWW 300.0A
Organochlorine Pesticides	SW846 8081A	SW846 3510C
Phosphate as P, Ortho	MCAWW 300.0A	MCAWW 300.0A
Polynuclear Aromatic Hydrocarbons by HPLC	SW846 8310	SW846 3510
PCBs by SW-846 8082	SW846 8082	SW846 3510C
Semivolatile Organic Compounds by GC/MS	SW846 8270C	SW846 3520C
Sulfate	MCAWW 300.0A	MCAWW 300.0A
Total Cyanide	MCAWW 335.3	MCAWW 335.3
Total Organic Carbon	SW846 9060	SW846 9060
Total Organic Halogens	SW846 9020B	SW846 9020B
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826
6860 Perchlorate ICMSMS	SW846 6860	SW846 6860

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

CANNON9

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 160.1	Christopher Grisdale	009582
MCAWW 300.0A	Andrita Scofield	004409
MCAWW 300.0A	Ewa Kudla	001167
MCAWW 300.0A	Ewa Kudla	1167
MCAWW 310.1	Andrew M. Perlman	008060
MCAWW 335.3	Dusti O. Criqui	006589
MCAWW 335.3	Eva Jonska-Muteba	004988
MCAWW 335.3	Ewa Kudla	001167
MCAWW 353.2	Claire Likar	004382
MCAWW 353.2	Duane Allee	001470
SW846 6010B	Lynn-Anne Trudell	6645
SW846 6020	Thomas Lill	6929
SW846 6860	Tim O'Donnell	000443
SW846 7470A	Janice S. Collins	011668
SW846 8081A	Carrie Lahr	008835
SW846 8082	Teresa L. Williams	002510
SW846 8151A	Heather Dybas	038161
SW846 8260B	Daniel Kiekel	011370
SW846 8260B	Greg Meier	006004
SW846 8270C	David Kidd	007536
SW846 8270C	Mike G. Hoffman	001880
SW846 8280A	Mark Onishi	001984
SW846 8280A	Wayne Halozan	002457
SW846 8310	Heather Dybas	038161
SW846 8310	Teresa L. Williams	002510
SW846 9020B	Dave Elkin	000901
SW846 9060	Andrew M. Perlman	008060
SW846 9060	Dave Elkin	000901

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

CANNON9 : D6F070234

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
H6WJN	001	CAFB-A	06/05/06	13:25
H6WKP	002	CAFB-B	06/06/06	08:45
H6WKR	003	CAFB-U	06/05/06	15:15
H6WKV	004	TRIP BLANK	06/05/06	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

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SAMPLE SUMMARY

CANNON9 : D6F080262

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
H61T6	001	CAFB-T	06/06/06	10:05
H61VL	002	CAFB-C	06/06/06	15:55
H61VM	003	CAFB-S	06/06/06	11:20
H61VN	004	CAFB-D	06/06/06	12:55
H61W0	005	CAFB-DD	06/06/06	13:05

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-A

GC/MS Volatiles

Lot-Sample #...: D6F070234-001 **Work Order #...:** H6WJN1AA **Matrix.....:** WATER
Date Sampled...: 06/05/06 13:25 **Date Received..:** 06/07/06
Prep Date.....: 06/14/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6166107 **Analysis Time..:** 15:08
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	1.9
Acetonitrile	ND	20	ug/L	9.6
Acrolein	ND	20	ug/L	2.8
Acrylonitrile	ND	20	ug/L	1.4
Benzene	ND	1.0	ug/L	0.16
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	1.0	ug/L	0.19
Bromomethane	ND	2.0	ug/L	0.21
2-Butanone (MEK)	ND	5.0	ug/L	1.8
Carbon disulfide	ND	1.0	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.17
Chloroprene	ND	1.0	ug/L	0.14
Dibromochloromethane	ND	1.0	ug/L	0.17
Chloroethane	ND	2.0	ug/L	0.41
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	2.0	ug/L	0.30
Allyl chloride	ND	2.0	ug/L	0.17
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	1.5
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
Dibromomethane	ND	1.0	ug/L	0.17
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	0.80
Dichlorodifluoromethane	ND	2.0	ug/L	0.31
1,1-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.13
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.15
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.15
1,1-Dichloroethene	ND	1.0	ug/L	0.14
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.80
1,4-Dioxane	ND	200	ug/L	71
Ethylbenzene	ND	1.0	ug/L	0.16
Ethyl methacrylate	ND	1.0	ug/L	0.86

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-A

GC/MS Volatiles

Lot-Sample #...: D6F070234-001 **Work Order #...:** H6WJN1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Hexanone	ND	5.0	ug/L	1.4
Iodomethane	ND	1.0	ug/L	0.23
Isobutyl alcohol	ND	50	ug/L	36
Methacrylonitrile	ND	10	ug/L	1.6
Methylene chloride	**0.43 J,B**	**5.0**	**ug/L**	**0.32**
Methyl methacrylate	ND	1.0	ug/L	1.1
4-Methyl-2-pentanone	ND	5.0	ug/L	0.49
Propionitrile	ND	20	ug/L	3.7
Styrene	ND	1.0	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.20
Tetrachloroethene	ND	1.0	ug/L	0.20
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16
1,1,2-Trichloroethane	ND	1.0	ug/L	0.32
Trichloroethene	ND	1.0	ug/L	0.16
Trichlorofluoromethane	ND	2.0	ug/L	0.29
1,2,3-Trichloropropane	ND	1.0	ug/L	0.27
Vinyl acetate	ND	2.0	ug/L	0.94
Vinyl chloride	ND	2.0	ug/L	0.17
Xylenes (total)	ND	2.0	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	114	(79 - 119)
1,2-Dichloroethane-d4	116	(65 - 126)
4-Bromofluorobenzene	107	(75 - 115)
Toluene-d8	93	(78 - 118)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

CAFB-A

GC/MS Volatiles

Lot-Sample #: D6F070234-001 **Work Order #:** H6WJN1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-B

GC/MS Volatiles

Lot-Sample #...: D6F070234-002 **Work Order #...:** H6WKP1AM **Matrix.....:** WATER
Date Sampled...: 06/06/06 08:45 **Date Received..:** 06/07/06
Prep Date.....: 06/14/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6166107 **Analysis Time..:** 15:27
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	1.9
Acetonitrile	ND	20	ug/L	9.6
Acrolein	ND	20	ug/L	2.8
Acrylonitrile	ND	20	ug/L	1.4
Benzene	ND	1.0	ug/L	0.16
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	1.0	ug/L	0.19
Bromomethane	ND	2.0	ug/L	0.21
2-Butanone (MEK)	ND	5.0	ug/L	1.8
Carbon disulfide	ND	1.0	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.17
Chloroprene	ND	1.0	ug/L	0.14
Dibromochloromethane	ND	1.0	ug/L	0.17
Chloroethane	ND	2.0	ug/L	0.41
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	2.0	ug/L	0.30
Allyl chloride	ND	2.0	ug/L	0.17
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	1.5
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
Dibromomethane	ND	1.0	ug/L	0.17
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	0.80
Dichlorodifluoromethane	ND	2.0	ug/L	0.31
1,1-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.13
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.15
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.15
1,1-Dichloroethene	ND	1.0	ug/L	0.14
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.80
1,4-Dioxane	ND	200	ug/L	71
Ethylbenzene	ND	1.0	ug/L	0.16
Ethyl methacrylate	ND	1.0	ug/L	0.86

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-B

GC/MS Volatiles

Lot-Sample #...: D6F070234-002 **Work Order #...:** H6WKP1AM **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Hexanone	ND	5.0	ug/L	1.4
Iodomethane	ND	1.0	ug/L	0.23
Isobutyl alcohol	ND	50	ug/L	36
Methacrylonitrile	ND	10	ug/L	1.6
Methylene chloride	**0.38 J,B**	**5.0**	**ug/L**	**0.32**
Methyl methacrylate	ND	1.0	ug/L	1.1
4-Methyl-2-pentanone	ND	5.0	ug/L	0.49
Propionitrile	ND	20	ug/L	3.7
Styrene	ND	1.0	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.20
Tetrachloroethene	ND	1.0	ug/L	0.20
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16
1,1,2-Trichloroethane	ND	1.0	ug/L	0.32
Trichloroethene	ND	1.0	ug/L	0.16
Trichlorofluoromethane	ND	2.0	ug/L	0.29
1,2,3-Trichloropropane	ND	1.0	ug/L	0.27
Vinyl acetate	ND	2.0	ug/L	0.94
Vinyl chloride	ND	2.0	ug/L	0.17
Xylenes (total)	ND	2.0	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(79 - 119)
1,2-Dichloroethane-d4	112	(65 - 126)
4-Bromofluorobenzene	106	(75 - 115)
Toluene-d8	98	(78 - 118)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

CAFB-B

GC/MS Volatiles

Lot-Sample #: D6F070234-002 **Work Order #:** H6WKP1AM **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-U

GC/MS Volatiles

Lot-Sample #...: D6F070234-003 **Work Order #...:** H6WKR1AM **Matrix.....:** WATER
Date Sampled...: 06/05/06 15:15 **Date Received..:** 06/07/06
Prep Date.....: 06/14/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6166107 **Analysis Time..:** 15:46
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	1.9
Acetonitrile	ND	20	ug/L	9.6
Acrolein	ND	20	ug/L	2.8
Acrylonitrile	ND	20	ug/L	1.4
Benzene	ND	1.0	ug/L	0.16
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	1.0	ug/L	0.19
Bromomethane	ND	2.0	ug/L	0.21
2-Butanone (MEK)	ND	5.0	ug/L	1.8
Carbon disulfide	ND	1.0	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.17
Chloroprene	ND	1.0	ug/L	0.14
Dibromochloromethane	ND	1.0	ug/L	0.17
Chloroethane	ND	2.0	ug/L	0.41
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	2.0	ug/L	0.30
Allyl chloride	ND	2.0	ug/L	0.17
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	1.5
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
Dibromomethane	ND	1.0	ug/L	0.17
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	0.80
Dichlorodifluoromethane	ND	2.0	ug/L	0.31
1,1-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.13
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.15
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.15
1,1-Dichloroethene	ND	1.0	ug/L	0.14
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.80
1,4-Dioxane	ND	200	ug/L	71
Ethylbenzene	ND	1.0	ug/L	0.16
Ethyl methacrylate	ND	1.0	ug/L	0.86

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-U

GC/MS Volatiles

Lot-Sample #...: D6F070234-003 **Work Order #...:** H6WKR1AM **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Hexanone	ND	5.0	ug/L	1.4
Iodomethane	ND	1.0	ug/L	0.23
Isobutyl alcohol	ND	50	ug/L	36
Methacrylonitrile	ND	10	ug/L	1.6
Methylene chloride	**0.43 J,B**	**5.0**	**ug/L**	**0.32**
Methyl methacrylate	ND	1.0	ug/L	1.1
4-Methyl-2-pentanone	ND	5.0	ug/L	0.49
Propionitrile	ND	20	ug/L	3.7
Styrene	ND	1.0	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.20
Tetrachloroethene	ND	1.0	ug/L	0.20
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16
1,1,2-Trichloroethane	ND	1.0	ug/L	0.32
Trichloroethene	ND	1.0	ug/L	0.16
Trichlorofluoromethane	ND	2.0	ug/L	0.29
1,2,3-Trichloropropane	ND	1.0	ug/L	0.27
Vinyl acetate	ND	2.0	ug/L	0.94
Vinyl chloride	ND	2.0	ug/L	0.17
Xylenes (total)	ND	2.0	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(79 - 119)
1,2-Dichloroethane-d4	117	(65 - 126)
4-Bromofluorobenzene	107	(75 - 115)
Toluene-d8	104	(78 - 118)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

CAFB-U

GC/MS Volatiles

Lot-Sample #: D6F070234-003 **Work Order #:** H6WKR1AM **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

U.S. Geological Survey (USGS)

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: D6F070234-004 **Work Order #...:** H6WKV1AA **Matrix.....:** WATER
Date Sampled...: 06/05/06 **Date Received..:** 06/07/06
Prep Date.....: 06/14/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6166107 **Analysis Time..:** 16:05
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	1.9
Acetonitrile	ND	20	ug/L	9.6
Acrolein	ND	20	ug/L	2.8
Acrylonitrile	ND	20	ug/L	1.4
Benzene	ND	1.0	ug/L	0.16
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	1.0	ug/L	0.19
Bromomethane	ND	2.0	ug/L	0.21
2-Butanone (MEK)	ND	5.0	ug/L	1.8
Carbon disulfide	ND	1.0	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.17
Chloroprene	ND	1.0	ug/L	0.14
Dibromochloromethane	ND	1.0	ug/L	0.17
Chloroethane	ND	2.0	ug/L	0.41
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	2.0	ug/L	0.30
Allyl chloride	ND	2.0	ug/L	0.17
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	1.5
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
Dibromomethane	ND	1.0	ug/L	0.17
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	0.80
Dichlorodifluoromethane	ND	2.0	ug/L	0.31
1,1-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.13
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.15
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.15
1,1-Dichloroethene	ND	1.0	ug/L	0.14
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.80
1,4-Dioxane	ND	200	ug/L	71
Ethylbenzene	ND	1.0	ug/L	0.16
Ethyl methacrylate	ND	1.0	ug/L	0.86

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U.S. Geological Survey (USGS)

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: D6F070234-004 **Work Order #...:** H6WKV1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Hexanone	ND	5.0	ug/L	1.4
Iodomethane	ND	1.0	ug/L	0.23
Isobutyl alcohol	ND	50	ug/L	36
Methacrylonitrile	ND	10	ug/L	1.6
Methylene chloride	**0.53 J,B**	**5.0**	**ug/L**	**0.32**
Methyl methacrylate	ND	1.0	ug/L	1.1
4-Methyl-2-pentanone	ND	5.0	ug/L	0.49
Propionitrile	ND	20	ug/L	3.7
Styrene	ND	1.0	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.20
Tetrachloroethene	ND	1.0	ug/L	0.20
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16
1,1,2-Trichloroethane	ND	1.0	ug/L	0.32
Trichloroethene	ND	1.0	ug/L	0.16
Trichlorofluoromethane	ND	2.0	ug/L	0.29
1,2,3-Trichloropropane	ND	1.0	ug/L	0.27
Vinyl acetate	ND	2.0	ug/L	0.94
Vinyl chloride	ND	2.0	ug/L	0.17
Xylenes (total)	ND	2.0	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	120 *	(79 - 119)
1,2-Dichloroethane-d4	116	(65 - 126)
4-Bromofluorobenzene	105	(75 - 115)
Toluene-d8	99	(78 - 118)

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

TRIP BLANK

GC/MS Volatiles

Lot-Sample #: D6F070234-004 **Work Order #:** H6WKV1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-T

GC/MS Volatiles

Lot-Sample #...: D6F080262-001 **Work Order #...:** H61T61AA **Matrix.....:** WATER
Date Sampled...: 06/06/06 10:05 **Date Received..:** 06/08/06
Prep Date.....: 06/19/06 **Analysis Date..:** 06/19/06
Prep Batch #...: 6171269 **Analysis Time..:** 14:13
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	1.9
Acetonitrile	ND	20	ug/L	9.6
Acrolein	ND	20	ug/L	2.8
Acrylonitrile	ND	20	ug/L	1.4
Benzene	ND	1.0	ug/L	0.16
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	1.0	ug/L	0.19
Bromomethane	ND	2.0	ug/L	0.21
2-Butanone (MEK)	ND	5.0	ug/L	1.8
Carbon disulfide	ND	1.0	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.17
Chloroprene	ND	1.0	ug/L	0.14
Dibromochloromethane	ND	1.0	ug/L	0.17
Chloroethane	ND	2.0	ug/L	0.41
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	2.0	ug/L	0.30
Allyl chloride	ND	2.0	ug/L	0.17
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	1.5
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
Dibromomethane	ND	1.0	ug/L	0.17
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	0.80
Dichlorodifluoromethane	ND	2.0	ug/L	0.31
1,1-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.13
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.15
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.15
1,1-Dichloroethene	ND	1.0	ug/L	0.14
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.80
1,4-Dioxane	ND	200	ug/L	71
Ethylbenzene	ND	1.0	ug/L	0.16
Ethyl methacrylate	ND	1.0	ug/L	0.86

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-T

GC/MS Volatiles

Lot-Sample #...: D6F080262-001 **Work Order #...:** H61T61AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Hexanone	ND	5.0	ug/L	1.4
Iodomethane	ND	1.0	ug/L	0.23
Isobutyl alcohol	ND	50	ug/L	36
Methacrylonitrile	ND	10	ug/L	1.6
Methylene chloride	ND	5.0	ug/L	0.32
Methyl methacrylate	ND	1.0	ug/L	1.1
4-Methyl-2-pentanone	ND	5.0	ug/L	0.49
Propionitrile	ND	20	ug/L	3.7
Styrene	ND	1.0	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.20
Tetrachloroethene	ND	1.0	ug/L	0.20
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16
1,1,2-Trichloroethane	ND	1.0	ug/L	0.32
Trichloroethene	ND	1.0	ug/L	0.16
Trichlorofluoromethane	ND	2.0	ug/L	0.29
1,2,3-Trichloropropane	ND	1.0	ug/L	0.27
Vinyl acetate	ND	2.0	ug/L	0.94
Vinyl chloride	ND	2.0	ug/L	0.17
Xylenes (total)	ND	2.0	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(79 - 119)
1,2-Dichloroethane-d4	80	(65 - 126)
4-Bromofluorobenzene	92	(75 - 115)
Toluene-d8	93	(78 - 118)

U.S. Geological Survey (USGS)

CAFB-T

GC/MS Volatiles

Lot-Sample #: D6F080262-001 **Work Order #:** H61T61AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-C

GC/MS Volatiles

Lot-Sample #...: D6F080262-002 **Work Order #...:** H61VL1AM **Matrix.....:** WATER
Date Sampled...: 06/06/06 15:55 **Date Received..:** 06/08/06
Prep Date.....: 06/19/06 **Analysis Date..:** 06/19/06
Prep Batch #...: 6171269 **Analysis Time..:** 14:34
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	1.9
Acetonitrile	ND	20	ug/L	9.6
Acrolein	ND	20	ug/L	2.8
Acrylonitrile	ND	20	ug/L	1.4
Benzene	ND	1.0	ug/L	0.16
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	1.0	ug/L	0.19
Bromomethane	ND	2.0	ug/L	0.21
2-Butanone (MEK)	ND	5.0	ug/L	1.8
Carbon disulfide	ND	1.0	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.17
Chloroprene	ND	1.0	ug/L	0.14
Dibromochloromethane	ND	1.0	ug/L	0.17
Chloroethane	ND	2.0	ug/L	0.41
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	2.0	ug/L	0.30
Allyl chloride	ND	2.0	ug/L	0.17
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	1.5
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
Dibromomethane	ND	1.0	ug/L	0.17
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	0.80
Dichlorodifluoromethane	ND	2.0	ug/L	0.31
1,1-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.13
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.15
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.15
1,1-Dichloroethene	ND	1.0	ug/L	0.14
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.80
1,4-Dioxane	ND	200	ug/L	71
Ethylbenzene	ND	1.0	ug/L	0.16
Ethyl methacrylate	ND	1.0	ug/L	0.86

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-C

GC/MS Volatiles

Lot-Sample #...: D6F080262-002 **Work Order #...:** H61VL1AM **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Hexanone	ND	5.0	ug/L	1.4
Iodomethane	ND	1.0	ug/L	0.23
Isobutyl alcohol	ND	50	ug/L	36
Methacrylonitrile	ND	10	ug/L	1.6
Methylene chloride	ND	5.0	ug/L	0.32
Methyl methacrylate	ND	1.0	ug/L	1.1
4-Methyl-2-pentanone	ND	5.0	ug/L	0.49
Propionitrile	ND	20	ug/L	3.7
Styrene	ND	1.0	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.20
Tetrachloroethene	ND	1.0	ug/L	0.20
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16
1,1,2-Trichloroethane	ND	1.0	ug/L	0.32
Trichloroethene	**0.43 J**	**1.0**	**ug/L**	**0.16**
Trichlorofluoromethane	ND	2.0	ug/L	0.29
1,2,3-Trichloropropane	ND	1.0	ug/L	0.27
Vinyl acetate	ND	2.0	ug/L	0.94
Vinyl chloride	ND	2.0	ug/L	0.17
Xylenes (total)	ND	2.0	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(79 - 119)
1,2-Dichloroethane-d4	81	(65 - 126)
4-Bromofluorobenzene	93	(75 - 115)
Toluene-d8	92	(78 - 118)

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

CAFB-C

GC/MS Volatiles

Lot-Sample #: D6F080262-002 **Work Order #:** H61VL1AM **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		1.3 J	M	4.251	ug/L
Unknown		2.0 J	M	13.186	ug/L
Unknown		3.6 J	M	14.286	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-S

GC/MS Volatiles

Lot-Sample #...: D6F080262-003 **Work Order #...:** H61VM1AM **Matrix.....:** WATER
Date Sampled...: 06/06/06 11:20 **Date Received..:** 06/08/06
Prep Date.....: 06/19/06 **Analysis Date..:** 06/19/06
Prep Batch #...: 6171269 **Analysis Time..:** 14:54
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	1.9
Acetonitrile	ND	20	ug/L	9.6
Acrolein	ND	20	ug/L	2.8
Acrylonitrile	ND	20	ug/L	1.4
Benzene	ND	1.0	ug/L	0.16
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	1.0	ug/L	0.19
Bromomethane	ND	2.0	ug/L	0.21
2-Butanone (MEK)	ND	5.0	ug/L	1.8
Carbon disulfide	ND	1.0	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.17
Chloroprene	ND	1.0	ug/L	0.14
Dibromochloromethane	ND	1.0	ug/L	0.17
Chloroethane	ND	2.0	ug/L	0.41
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	2.0	ug/L	0.30
Allyl chloride	ND	2.0	ug/L	0.17
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	1.5
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
Dibromomethane	ND	1.0	ug/L	0.17
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	0.80
Dichlorodifluoromethane	ND	2.0	ug/L	0.31
1,1-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.13
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.15
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.15
1,1-Dichloroethene	ND	1.0	ug/L	0.14
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.80
1,4-Dioxane	ND	200	ug/L	71
Ethylbenzene	ND	1.0	ug/L	0.16
Ethyl methacrylate	ND	1.0	ug/L	0.86

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-S

GC/MS Volatiles

Lot-Sample #...: D6F080262-003 **Work Order #...:** H61VM1AM **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Hexanone	ND	5.0	ug/L	1.4
Iodomethane	ND	1.0	ug/L	0.23
Isobutyl alcohol	ND	50	ug/L	36
Methacrylonitrile	ND	10	ug/L	1.6
Methylene chloride	ND	5.0	ug/L	0.32
Methyl methacrylate	ND	1.0	ug/L	1.1
4-Methyl-2-pentanone	ND	5.0	ug/L	0.49
Propionitrile	ND	20	ug/L	3.7
Styrene	ND	1.0	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.20
Tetrachloroethene	ND	1.0	ug/L	0.20
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16
1,1,2-Trichloroethane	ND	1.0	ug/L	0.32
Trichloroethene	ND	1.0	ug/L	0.16
Trichlorofluoromethane	ND	2.0	ug/L	0.29
1,2,3-Trichloropropane	ND	1.0	ug/L	0.27
Vinyl acetate	ND	2.0	ug/L	0.94
Vinyl chloride	ND	2.0	ug/L	0.17
Xylenes (total)	ND	2.0	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(79 - 119)
1,2-Dichloroethane-d4	82	(65 - 126)
4-Bromofluorobenzene	94	(75 - 115)
Toluene-d8	92	(78 - 118)

U.S. Geological Survey (USGS)

CAFB-S

GC/MS Volatiles

Lot-Sample #: D6F080262-003 **Work Order #:** H61VM1AM **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		2.2 J	M	14.284	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-D

GC/MS Volatiles

Lot-Sample #...: D6F080262-004 **Work Order #...:** H61VN1AM **Matrix.....:** WATER
Date Sampled...: 06/06/06 12:55 **Date Received..:** 06/08/06
Prep Date.....: 06/19/06 **Analysis Date..:** 06/19/06
Prep Batch #...: 6171269 **Analysis Time..:** 15:15
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	1.9
Acetonitrile	ND	20	ug/L	9.6
Acrolein	ND	20	ug/L	2.8
Acrylonitrile	ND	20	ug/L	1.4
Benzene	ND	1.0	ug/L	0.16
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	1.0	ug/L	0.19
Bromomethane	ND	2.0	ug/L	0.21
2-Butanone (MEK)	ND	5.0	ug/L	1.8
Carbon disulfide	ND	1.0	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.17
Chloroprene	ND	1.0	ug/L	0.14
Dibromochloromethane	ND	1.0	ug/L	0.17
Chloroethane	ND	2.0	ug/L	0.41
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	2.0	ug/L	0.30
Allyl chloride	ND	2.0	ug/L	0.17
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	1.5
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
Dibromomethane	ND	1.0	ug/L	0.17
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	0.80
Dichlorodifluoromethane	ND	2.0	ug/L	0.31
1,1-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.13
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.15
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.15
1,1-Dichloroethene	ND	1.0	ug/L	0.14
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.80
1,4-Dioxane	ND	200	ug/L	71
Ethylbenzene	ND	1.0	ug/L	0.16
Ethyl methacrylate	ND	1.0	ug/L	0.86

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-D

GC/MS Volatiles

Lot-Sample #...: D6F080262-004 **Work Order #...:** H61VN1AM **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Hexanone	ND	5.0	ug/L	1.4
Iodomethane	ND	1.0	ug/L	0.23
Isobutyl alcohol	ND	50	ug/L	36
Methacrylonitrile	ND	10	ug/L	1.6
Methylene chloride	ND	5.0	ug/L	0.32
Methyl methacrylate	ND	1.0	ug/L	1.1
4-Methyl-2-pentanone	ND	5.0	ug/L	0.49
Propionitrile	ND	20	ug/L	3.7
Styrene	ND	1.0	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.20
Tetrachloroethene	ND	1.0	ug/L	0.20
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16
1,1,2-Trichloroethane	ND	1.0	ug/L	0.32
Trichloroethene	**0.27 J**	**1.0**	**ug/L**	**0.16**
Trichlorofluoromethane	ND	2.0	ug/L	0.29
1,2,3-Trichloropropane	ND	1.0	ug/L	0.27
Vinyl acetate	ND	2.0	ug/L	0.94
Vinyl chloride	ND	2.0	ug/L	0.17
Xylenes (total)	ND	2.0	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(79 - 119)
1,2-Dichloroethane-d4	81	(65 - 126)
4-Bromofluorobenzene	92	(75 - 115)
Toluene-d8	91	(78 - 118)

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

CAFB-D

GC/MS Volatiles

Lot-Sample #: D6F080262-004 **Work Order #:** H61VN1AM **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		1.9 J	M	4.2086	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-DD

GC/MS Volatiles

Lot-Sample #...: D6F080262-005 **Work Order #...:** H61W01AM **Matrix.....:** WATER
Date Sampled...: 06/06/06 13:05 **Date Received..:** 06/08/06
Prep Date.....: 06/19/06 **Analysis Date..:** 06/19/06
Prep Batch #...: 6171269 **Analysis Time..:** 16:15
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	1.9
Acetonitrile	ND	20	ug/L	9.6
Acrolein	ND	20	ug/L	2.8
Acrylonitrile	ND	20	ug/L	1.4
Benzene	ND	1.0	ug/L	0.16
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	1.0	ug/L	0.19
Bromomethane	ND	2.0	ug/L	0.21
2-Butanone (MEK)	ND	5.0	ug/L	1.8
Carbon disulfide	ND	1.0	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.17
Chloroprene	ND	1.0	ug/L	0.14
Dibromochloromethane	ND	1.0	ug/L	0.17
Chloroethane	ND	2.0	ug/L	0.41
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	2.0	ug/L	0.30
Allyl chloride	ND	2.0	ug/L	0.17
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	1.5
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
Dibromomethane	ND	1.0	ug/L	0.17
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	0.80
Dichlorodifluoromethane	ND	2.0	ug/L	0.31
1,1-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.13
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.15
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.15
1,1-Dichloroethene	ND	1.0	ug/L	0.14
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.80
1,4-Dioxane	ND	200	ug/L	71
Ethylbenzene	ND	1.0	ug/L	0.16
Ethyl methacrylate	ND	1.0	ug/L	0.86

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-DD

GC/MS Volatiles

Lot-Sample #...: D6F080262-005 **Work Order #...:** H61W01AM **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Hexanone	ND	5.0	ug/L	1.4
Iodomethane	ND	1.0	ug/L	0.23
Isobutyl alcohol	ND	50	ug/L	36
Methacrylonitrile	ND	10	ug/L	1.6
Methylene chloride	ND	5.0	ug/L	0.32
Methyl methacrylate	ND	1.0	ug/L	1.1
4-Methyl-2-pentanone	ND	5.0	ug/L	0.49
Propionitrile	ND	20	ug/L	3.7
Styrene	ND	1.0	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.20
Tetrachloroethene	ND	1.0	ug/L	0.20
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16
1,1,2-Trichloroethane	ND	1.0	ug/L	0.32
Trichloroethene	**0.28 J**	**1.0**	**ug/L**	**0.16**
Trichlorofluoromethane	ND	2.0	ug/L	0.29
1,2,3-Trichloropropane	ND	1.0	ug/L	0.27
Vinyl acetate	ND	2.0	ug/L	0.94
Vinyl chloride	ND	2.0	ug/L	0.17
Xylenes (total)	ND	2.0	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(79 - 119)
1,2-Dichloroethane-d4	85	(65 - 126)
4-Bromofluorobenzene	94	(75 - 115)
Toluene-d8	91	(78 - 118)

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

CAFB-DD

GC/MS Volatiles

Lot-Sample #: D6F080262-005 **Work Order #:** H61W01AM **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-A

GC/MS Semivolatiles

Lot-Sample #...: D6F070234-001 **Work Order #...:** H6WJN1AC **Matrix.....:** WATER
Date Sampled...: 06/05/06 13:25 **Date Received..:** 06/07/06
Prep Date.....: 06/07/06 **Analysis Date..:** 06/13/06
Prep Batch #...: 6158472 **Analysis Time..:** 15:46
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	1.7
Acenaphthylene	ND	10	ug/L	1.8
Acetophenone	ND	10	ug/L	2.0
2-Acetylaminofluorene	ND	100	ug/L	2.0
4-Aminobiphenyl	ND	50	ug/L	0.92
Aniline	ND	10	ug/L	2.0
Anthracene	ND	10	ug/L	1.9
Aramite	ND	20	ug/L	0.99
Benzo(a)anthracene	ND	10	ug/L	1.7
Benzo(b)fluoranthene	ND	10	ug/L	0.39
Benzo(k)fluoranthene	ND	10	ug/L	0.46
Benzo(ghi)perylene	ND	10	ug/L	1.0
Benzo(a)pyrene	ND	10	ug/L	1.3
Benzyl alcohol	ND	10	ug/L	2.0
bis(2-Chloroethoxy) methane	ND	10	ug/L	1.4
bis(2-Chloroethyl)-ether	ND	10	ug/L	3.9
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	1.4
4-Bromophenyl phenyl ether	ND	10	ug/L	2.1
Butyl benzyl phthalate	ND	10	ug/L	5.0
4-Chloroaniline	ND	10	ug/L	2.0
4-Chloro-3-methylphenol	ND	10	ug/L	5.0
2-Chloronaphthalene	ND	10	ug/L	1.7
2-Chlorophenol	ND	10	ug/L	0.38
4-Chlorophenyl phenyl ether	ND	10	ug/L	2.0
Chrysene	ND	10	ug/L	1.0
Dibenz(a,h)anthracene	ND	10	ug/L	1.4
Dibenzofuran	ND	10	ug/L	1.7
Di-n-butyl phthalate	ND	10	ug/L	5.0
1,2-Dichlorobenzene	ND	10	ug/L	1.4
1,3-Dichlorobenzene	ND	10	ug/L	1.5
1,4-Dichlorobenzene	ND	10	ug/L	1.4
3,3'-Dichlorobenzidine	ND	50	ug/L	2.0
2,4-Dichlorophenol	ND	10	ug/L	1.3

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-A

GC/MS Semivolatiles

Lot-Sample #...: D6F070234-001 **Work Order #...:** H6WJN1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,6-Dichlorophenol	ND	10	ug/L	1.0
Diethyl phthalate	ND	10	ug/L	5.0
4-Dimethylaminoazobenzene	ND	20	ug/L	2.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	0.82
3,3'-Dimethylbenzidine	ND	20	ug/L	0.56
alpha,alpha-Dimethylphenethylamine	ND	50	ug/L	11
2,4-Dimethylphenol	ND	10	ug/L	0.57
Dimethyl phthalate	ND	10	ug/L	5.0
1,3-Dinitrobenzene	ND	10	ug/L	2.0
4,6-Dinitro-2-methylphenol	ND	50	ug/L	20
2,4-Dinitrophenol	ND	50	ug/L	20
2,4-Dinitrotoluene	ND	10	ug/L	5.0
2,6-Dinitrotoluene	ND	10	ug/L	5.0
2-sec-Butyl-4,6-dinitrophenol	ND	20	ug/L	2.0
Di-n-octyl phthalate	ND	10	ug/L	5.0
Diphenylamine	ND	10	ug/L	1.1
Ethyl methanesulfonate	ND	10	ug/L	0.94
Fluoranthene	ND	10	ug/L	5.0
Fluorene	ND	10	ug/L	1.0
Hexachlorobenzene	ND	10	ug/L	2.1
Hexachlorobutadiene	ND	10	ug/L	1.3
Hexachlorocyclopentadiene	ND	50	ug/L	1.5
Hexachloroethane	ND	10	ug/L	0.46
Hexachloropropene	ND	100	ug/L	1.0
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	1.5
Isophorone	ND	10	ug/L	1.5
Isosafrole	ND	20	ug/L	1.2
Methapyrilene	ND	50	ug/L	20
3-Methylcholanthrene	ND	20	ug/L	1.0
Methyl methanesulfonate	ND	10	ug/L	0.93
2-Methylnaphthalene	ND	10	ug/L	1.6
2-Methylphenol	ND	10	ug/L	1.4
3-Methylphenol	ND	10	ug/L	5.0
4-Methylphenol	ND	10	ug/L	5.0
Naphthalene	ND	10	ug/L	1.5
1,4-Naphthoquinone	ND	50	ug/L	2.0
1-Naphthylamine	ND	10	ug/L	1.0
2-Naphthylamine	ND	10	ug/L	1.0

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-A

GC/MS Semivolatiles

Lot-Sample #...: D6F070234-001 **Work Order #...:** H6WJN1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Nitroaniline	ND	50	ug/L	5.0
3-Nitroaniline	ND	50	ug/L	3.6
4-Nitroaniline	ND	50	ug/L	10
Nitrobenzene	ND	10	ug/L	5.0
2-Nitrophenol	ND	10	ug/L	5.0
4-Nitrophenol	ND	50	ug/L	1.7
N-Nitrosodi-n-butylamine	ND	10	ug/L	2.0
N-Nitrosodiethylamine	ND	10	ug/L	1.1
N-Nitrosodimethylamine	ND	10	ug/L	1.6
N-Nitrosodiphenylamine	ND	10	ug/L	0.44
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	5.0
N-Nitrosomethylethylamine	ND	10	ug/L	0.96
N-Nitrosomorpholine	ND	10	ug/L	2.0
N-Nitrosopiperidine	ND	10	ug/L	2.0
N-Nitrosopyrrolidine	ND	10	ug/L	0.80
5-Nitro-o-toluidine	ND	20	ug/L	2.0
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	0.43
Pentachlorobenzene	ND	10	ug/L	2.0
Pentachloroethane	ND	50	ug/L	2.0
Pentachloronitrobenzene	ND	50	ug/L	2.0
Pentachlorophenol	ND	50	ug/L	20
Phenacetin	ND	20	ug/L	1.1
Phenanthrene	ND	10	ug/L	1.0
Phenol	ND	10	ug/L	1.4
2-Picoline	ND	20	ug/L	3.0
Pronamide	ND	20	ug/L	2.0
Pyrene	ND	10	ug/L	0.37
Pyridine	ND	20	ug/L	1.7
Safrole	ND	50	ug/L	1.1
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	2.0
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	2.0
2-Toluidine	ND	10	ug/L	0.90
1,2,4-Trichloro-benzene	ND	10	ug/L	1.5
2,4,5-Trichloro-phenol	ND	10	ug/L	5.0
2,4,6-Trichloro-phenol	ND	10	ug/L	5.0
1,3,5-Trinitrobenzene	ND	50	ug/L	2.0

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-A

GC/MS Semivolatiles

Lot-Sample #...: D6F070234-001 **Work Order #...:** H6WJN1AC **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	66	(40 - 120)
Phenol-d5	67	(51 - 120)
Nitrobenzene-d5	64	(47 - 120)
2-Fluorobiphenyl	58	(42 - 120)
2,4,6-Tribromophenol	73	(47 - 120)
Terphenyl-d14	76	(30 - 127)

U.S. Geological Survey (USGS)

CAFB-A

GC/MS Semivolatiles

Lot-Sample #: D6F070234-001 **Work Order #:** H6WJN1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		24 J	M	1.8442	ug/L
Cyclohexane	110-82-7	38 J	M	1.9612	ug/L
Unknown		9.1 J	M	2.0196	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-B

GC/MS Semivolatiles

Lot-Sample #...: D6F070234-002 **Work Order #...:** H6WKP1AN **Matrix.....:** WATER
Date Sampled...: 06/06/06 08:45 **Date Received..:** 06/07/06
Prep Date.....: 06/07/06 **Analysis Date..:** 06/13/06
Prep Batch #...: 6158472 **Analysis Time..:** 16:06
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	1.7
Acenaphthylene	ND	10	ug/L	1.8
Acetophenone	ND	10	ug/L	2.0
2-Acetylaminofluorene	ND	100	ug/L	2.0
4-Aminobiphenyl	ND	50	ug/L	0.92
Aniline	ND	10	ug/L	2.0
Anthracene	ND	10	ug/L	1.9
Aramite	ND	20	ug/L	0.99
Benzo(a)anthracene	ND	10	ug/L	1.7
Benzo(b)fluoranthene	ND	10	ug/L	0.39
Benzo(k)fluoranthene	ND	10	ug/L	0.46
Benzo(ghi)perylene	ND	10	ug/L	1.0
Benzo(a)pyrene	ND	10	ug/L	1.3
Benzyl alcohol	ND	10	ug/L	2.0
bis(2-Chloroethoxy) methane	ND	10	ug/L	1.4
bis(2-Chloroethyl)-ether	ND	10	ug/L	3.9
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	1.4
4-Bromophenyl phenyl ether	ND	10	ug/L	2.1
Butyl benzyl phthalate	ND	10	ug/L	5.0
4-Chloroaniline	ND	10	ug/L	2.0
4-Chloro-3-methylphenol	ND	10	ug/L	5.0
2-Chloronaphthalene	ND	10	ug/L	1.7
2-Chlorophenol	ND	10	ug/L	0.38
4-Chlorophenyl phenyl ether	ND	10	ug/L	2.0
Chrysene	ND	10	ug/L	1.0
Dibenz(a,h)anthracene	ND	10	ug/L	1.4
Dibenzofuran	ND	10	ug/L	1.7
Di-n-butyl phthalate	ND	10	ug/L	5.0
1,2-Dichlorobenzene	ND	10	ug/L	1.4
1,3-Dichlorobenzene	ND	10	ug/L	1.5
1,4-Dichlorobenzene	ND	10	ug/L	1.4
3,3'-Dichlorobenzidine	ND	50	ug/L	2.0
2,4-Dichlorophenol	ND	10	ug/L	1.3

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-B

GC/MS Semivolatiles

Lot-Sample #...: D6F070234-002 **Work Order #...:** H6WKP1AN **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,6-Dichlorophenol	ND	10	ug/L	1.0
Diethyl phthalate	ND	10	ug/L	5.0
4-Dimethylaminoazobenzene	ND	20	ug/L	2.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	0.82
3,3'-Dimethylbenzidine	ND	20	ug/L	0.56
alpha,alpha-Dimethylphenethylamine	ND	50	ug/L	11
2,4-Dimethylphenol	ND	10	ug/L	0.57
Dimethyl phthalate	ND	10	ug/L	5.0
1,3-Dinitrobenzene	ND	10	ug/L	2.0
4,6-Dinitro-2-methylphenol	ND	50	ug/L	20
2,4-Dinitrophenol	ND	50	ug/L	20
2,4-Dinitrotoluene	ND	10	ug/L	5.0
2,6-Dinitrotoluene	ND	10	ug/L	5.0
2-sec-Butyl-4,6-dinitro-phenol	ND	20	ug/L	2.0
Di-n-octyl phthalate	ND	10	ug/L	5.0
Diphenylamine	ND	10	ug/L	1.1
Ethyl methanesulfonate	ND	10	ug/L	0.94
Fluoranthene	ND	10	ug/L	5.0
Fluorene	ND	10	ug/L	1.0
Hexachlorobenzene	ND	10	ug/L	2.1
Hexachlorobutadiene	ND	10	ug/L	1.3
Hexachlorocyclopenta-diene	ND	50	ug/L	1.5
Hexachloroethane	ND	10	ug/L	0.46
Hexachloropropene	ND	100	ug/L	1.0
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	1.5
Isophorone	ND	10	ug/L	1.5
Isosafrole	ND	20	ug/L	1.2
Methapyrilene	ND	50	ug/L	20
3-Methylcholanthrene	ND	20	ug/L	1.0
Methyl methanesulfonate	ND	10	ug/L	0.93
2-Methylnaphthalene	ND	10	ug/L	1.6
2-Methylphenol	ND	10	ug/L	1.4
3-Methylphenol	ND	10	ug/L	5.0
4-Methylphenol	ND	10	ug/L	5.0
Naphthalene	ND	10	ug/L	1.5
1,4-Naphthoquinone	ND	50	ug/L	2.0
1-Naphthylamine	ND	10	ug/L	1.0
2-Naphthylamine	ND	10	ug/L	1.0

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-B

GC/MS Semivolatiles

Lot-Sample #...: D6F070234-002 **Work Order #...:** H6WKP1AN **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Nitroaniline	ND	50	ug/L	5.0
3-Nitroaniline	ND	50	ug/L	3.6
4-Nitroaniline	ND	50	ug/L	10
Nitrobenzene	ND	10	ug/L	5.0
2-Nitrophenol	ND	10	ug/L	5.0
4-Nitrophenol	ND	50	ug/L	1.7
N-Nitrosodi-n-butylamine	ND	10	ug/L	2.0
N-Nitrosodiethylamine	ND	10	ug/L	1.1
N-Nitrosodimethylamine	ND	10	ug/L	1.6
N-Nitrosodiphenylamine	ND	10	ug/L	0.44
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	5.0
N-Nitrosomethylethylamine	ND	10	ug/L	0.96
N-Nitrosomorpholine	ND	10	ug/L	2.0
N-Nitrosopiperidine	ND	10	ug/L	2.0
N-Nitrosopyrrolidine	ND	10	ug/L	0.80
5-Nitro-o-toluidine	ND	20	ug/L	2.0
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	0.43
Pentachlorobenzene	ND	10	ug/L	2.0
Pentachloroethane	ND	50	ug/L	2.0
Pentachloronitrobenzene	ND	50	ug/L	2.0
Pentachlorophenol	ND	50	ug/L	20
Phenacetin	ND	20	ug/L	1.1
Phenanthrene	ND	10	ug/L	1.0
Phenol	ND	10	ug/L	1.4
2-Picoline	ND	20	ug/L	3.0
Pronamide	ND	20	ug/L	2.0
Pyrene	ND	10	ug/L	0.37
Pyridine	ND	20	ug/L	1.7
Safrole	ND	50	ug/L	1.1
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	2.0
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	2.0
2-Toluidine	ND	10	ug/L	0.90
1,2,4-Trichloro-benzene	ND	10	ug/L	1.5
2,4,5-Trichloro-phenol	ND	10	ug/L	5.0
2,4,6-Trichloro-phenol	ND	10	ug/L	5.0
1,3,5-Trinitrobenzene	ND	50	ug/L	2.0

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-B

GC/MS Semivolatiles

Lot-Sample #...: D6F070234-002 **Work Order #...:** H6WKP1AN **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	67	(40 - 120)
Phenol-d5	69	(51 - 120)
Nitrobenzene-d5	66	(47 - 120)
2-Fluorobiphenyl	61	(42 - 120)
2,4,6-Tribromophenol	73	(47 - 120)
Terphenyl-d14	80	(30 - 127)

U.S. Geological Survey (USGS)

CAFB-B

GC/MS Semivolatiles

Lot-Sample #: D6F070234-002 **Work Order #:** H6WKP1AN **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		22 J	M	1.8438	ug/L
Cyclohexane	110-82-7	70 J	M	1.9554	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-U

GC/MS Semivolatiles

Lot-Sample #...: D6F070234-003 **Work Order #...:** H6WKR1AN **Matrix.....:** WATER
Date Sampled...: 06/05/06 15:15 **Date Received..:** 06/07/06
Prep Date.....: 06/07/06 **Analysis Date..:** 06/13/06
Prep Batch #...: 6158472 **Analysis Time..:** 16:27
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	1.7
Acenaphthylene	ND	10	ug/L	1.8
Acetophenone	ND	10	ug/L	2.0
2-Acetylaminofluorene	ND	100	ug/L	2.0
4-Aminobiphenyl	ND	50	ug/L	0.92
Aniline	ND	10	ug/L	2.0
Anthracene	ND	10	ug/L	1.9
Aramite	ND	20	ug/L	0.99
Benzo(a)anthracene	ND	10	ug/L	1.7
Benzo(b)fluoranthene	ND	10	ug/L	0.39
Benzo(k)fluoranthene	ND	10	ug/L	0.46
Benzo(ghi)perylene	ND	10	ug/L	1.0
Benzo(a)pyrene	ND	10	ug/L	1.3
Benzyl alcohol	ND	10	ug/L	2.0
bis(2-Chloroethoxy) methane	ND	10	ug/L	1.4
bis(2-Chloroethyl)-ether	ND	10	ug/L	3.9
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	1.4
4-Bromophenyl phenyl ether	ND	10	ug/L	2.1
Butyl benzyl phthalate	ND	10	ug/L	5.0
4-Chloroaniline	ND	10	ug/L	2.0
4-Chloro-3-methylphenol	ND	10	ug/L	5.0
2-Chloronaphthalene	ND	10	ug/L	1.7
2-Chlorophenol	ND	10	ug/L	0.38
4-Chlorophenyl phenyl ether	ND	10	ug/L	2.0
Chrysene	ND	10	ug/L	1.0
Dibenz(a,h)anthracene	ND	10	ug/L	1.4
Dibenzofuran	ND	10	ug/L	1.7
Di-n-butyl phthalate	ND	10	ug/L	5.0
1,2-Dichlorobenzene	ND	10	ug/L	1.4
1,3-Dichlorobenzene	ND	10	ug/L	1.5
1,4-Dichlorobenzene	ND	10	ug/L	1.4
3,3'-Dichlorobenzidine	ND	50	ug/L	2.0
2,4-Dichlorophenol	ND	10	ug/L	1.3

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-U

GC/MS Semivolatiles

Lot-Sample #...: D6F070234-003 **Work Order #...:** H6WKR1AN **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,6-Dichlorophenol	ND	10	ug/L	1.0
Diethyl phthalate	ND	10	ug/L	5.0
4-Dimethylaminoazobenzene	ND	20	ug/L	2.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	0.82
3,3'-Dimethylbenzidine	ND	20	ug/L	0.56
alpha,alpha-Dimethylphenethylamine	ND	50	ug/L	11
2,4-Dimethylphenol	ND	10	ug/L	0.57
Dimethyl phthalate	ND	10	ug/L	5.0
1,3-Dinitrobenzene	ND	10	ug/L	2.0
4,6-Dinitro-2-methylphenol	ND	50	ug/L	20
2,4-Dinitrophenol	ND	50	ug/L	20
2,4-Dinitrotoluene	ND	10	ug/L	5.0
2,6-Dinitrotoluene	ND	10	ug/L	5.0
2-sec-Butyl-4,6-dinitrophenol	ND	20	ug/L	2.0
Di-n-octyl phthalate	ND	10	ug/L	5.0
Diphenylamine	ND	10	ug/L	1.1
Ethyl methanesulfonate	ND	10	ug/L	0.94
Fluoranthene	ND	10	ug/L	5.0
Fluorene	ND	10	ug/L	1.0
Hexachlorobenzene	ND	10	ug/L	2.1
Hexachlorobutadiene	ND	10	ug/L	1.3
Hexachlorocyclopentadiene	ND	50	ug/L	1.5
Hexachloroethane	ND	10	ug/L	0.46
Hexachloropropene	ND	100	ug/L	1.0
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	1.5
Isophorone	ND	10	ug/L	1.5
Isosafrole	ND	20	ug/L	1.2
Methapyrilene	ND	50	ug/L	20
3-Methylcholanthrene	ND	20	ug/L	1.0
Methyl methanesulfonate	ND	10	ug/L	0.93
2-Methylnaphthalene	ND	10	ug/L	1.6
2-Methylphenol	ND	10	ug/L	1.4
3-Methylphenol	ND	10	ug/L	5.0
4-Methylphenol	ND	10	ug/L	5.0
Naphthalene	ND	10	ug/L	1.5
1,4-Naphthoquinone	ND	50	ug/L	2.0
1-Naphthylamine	ND	10	ug/L	1.0
2-Naphthylamine	ND	10	ug/L	1.0

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-U

GC/MS Semivolatiles

Lot-Sample #...: D6F070234-003 **Work Order #...:** H6WKR1AN **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Nitroaniline	ND	50	ug/L	5.0
3-Nitroaniline	ND	50	ug/L	3.6
4-Nitroaniline	ND	50	ug/L	10
Nitrobenzene	ND	10	ug/L	5.0
2-Nitrophenol	ND	10	ug/L	5.0
4-Nitrophenol	ND	50	ug/L	1.7
N-Nitrosodi-n-butylamine	ND	10	ug/L	2.0
N-Nitrosodiethylamine	ND	10	ug/L	1.1
N-Nitrosodimethylamine	ND	10	ug/L	1.6
N-Nitrosodiphenylamine	ND	10	ug/L	0.44
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	5.0
N-Nitrosomethylethylamine	ND	10	ug/L	0.96
N-Nitrosomorpholine	ND	10	ug/L	2.0
N-Nitrosopiperidine	ND	10	ug/L	2.0
N-Nitrosopyrrolidine	ND	10	ug/L	0.80
5-Nitro-o-toluidine	ND	20	ug/L	2.0
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	0.43
Pentachlorobenzene	ND	10	ug/L	2.0
Pentachloroethane	ND	50	ug/L	2.0
Pentachloronitrobenzene	ND	50	ug/L	2.0
Pentachlorophenol	ND	50	ug/L	20
Phenacetin	ND	20	ug/L	1.1
Phenanthrene	ND	10	ug/L	1.0
Phenol	ND	10	ug/L	1.4
2-Picoline	ND	20	ug/L	3.0
Pronamide	ND	20	ug/L	2.0
Pyrene	ND	10	ug/L	0.37
Pyridine	ND	20	ug/L	1.7
Safrole	ND	50	ug/L	1.1
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	2.0
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	2.0
2-Toluidine	ND	10	ug/L	0.90
1,2,4-Trichloro-benzene	ND	10	ug/L	1.5
2,4,5-Trichloro-phenol	ND	10	ug/L	5.0
2,4,6-Trichloro-phenol	ND	10	ug/L	5.0
1,3,5-Trinitrobenzene	ND	50	ug/L	2.0

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-U

GC/MS Semivolatiles

Lot-Sample #...: D6F070234-003 **Work Order #...:** H6WKR1AN **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	67	(40 - 120)
Phenol-d5	67	(51 - 120)
Nitrobenzene-d5	66	(47 - 120)
2-Fluorobiphenyl	51	(42 - 120)
2,4,6-Tribromophenol	71	(47 - 120)
Terphenyl-d14	89	(30 - 127)

U.S. Geological Survey (USGS)

CAFB-U

GC/MS Semivolatiles

Lot-Sample #: D6F070234-003 **Work Order #:** H6WKR1AN **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		21 J	M	1.8461	ug/L
Cyclohexane	110-82-7	55 J	M	1.9577	ug/L
Unknown		10 J	M	12.089	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-T

GC/MS Semivolatiles

Lot-Sample #...: D6F080262-001 **Work Order #...:** H61T62AC **Matrix.....:** WATER
Date Sampled...: 06/06/06 10:05 **Date Received..:** 06/08/06
Prep Date.....: 06/13/06 **Analysis Date..:** 06/19/06
Prep Batch #...: 6164539 **Analysis Time..:** 19:14
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	1.7
Acenaphthylene	ND	10	ug/L	1.8
Acetophenone	ND	10	ug/L	2.0
2-Acetylaminofluorene	ND	100	ug/L	2.0
4-Aminobiphenyl	ND	50	ug/L	0.92
Aniline	ND	10	ug/L	2.0
Anthracene	ND	10	ug/L	1.9
Aramite	ND	20	ug/L	0.99
Benzo(a)anthracene	ND	10	ug/L	1.7
Benzo(b)fluoranthene	ND	10	ug/L	0.39
Benzo(k)fluoranthene	ND	10	ug/L	0.46
Benzo(ghi)perylene	ND	10	ug/L	1.0
Benzo(a)pyrene	ND	10	ug/L	1.3
Benzyl alcohol	ND	10	ug/L	2.0
bis(2-Chloroethoxy) methane	ND	10	ug/L	1.4
bis(2-Chloroethyl)-ether	ND	10	ug/L	3.9
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	5.0
4-Bromophenyl phenyl ether	ND	10	ug/L	2.1
Butyl benzyl phthalate	ND	10	ug/L	5.0
4-Chloroaniline	ND	10	ug/L	2.0
4-Chloro-3-methylphenol	ND	10	ug/L	5.0
2-Chloronaphthalene	ND	10	ug/L	1.7
2-Chlorophenol	ND	10	ug/L	0.38
4-Chlorophenyl phenyl ether	ND	10	ug/L	2.0
Chrysene	ND	10	ug/L	1.0
Dibenz(a,h)anthracene	ND	10	ug/L	1.4
Dibenzofuran	ND	10	ug/L	1.7
Di-n-butyl phthalate	ND	10	ug/L	5.0
1,2-Dichlorobenzene	ND	10	ug/L	1.4
1,3-Dichlorobenzene	ND	10	ug/L	1.5
1,4-Dichlorobenzene	ND	10	ug/L	1.4
3,3'-Dichlorobenzidine	ND	50	ug/L	2.0
2,4-Dichlorophenol	ND	10	ug/L	1.3

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-T

GC/MS Semivolatiles

Lot-Sample #...: D6F080262-001 **Work Order #...:** H61T62AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,6-Dichlorophenol	ND	10	ug/L	1.0
Diethyl phthalate	ND	10	ug/L	5.0
4-Dimethylaminoazobenzene	ND	20	ug/L	2.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	0.82
3,3'-Dimethylbenzidine	ND	20	ug/L	0.56
alpha,alpha-Dimethylphenethylamine	ND	50	ug/L	11
2,4-Dimethylphenol	ND	10	ug/L	0.57
Dimethyl phthalate	ND	10	ug/L	5.0
1,3-Dinitrobenzene	ND	10	ug/L	2.0
4,6-Dinitro-2-methylphenol	ND	50	ug/L	20
2,4-Dinitrophenol	ND	50	ug/L	20
2,4-Dinitrotoluene	ND	10	ug/L	5.0
2,6-Dinitrotoluene	ND	10	ug/L	5.0
2-sec-Butyl-4,6-dinitro-phenol	ND	20	ug/L	2.0
Di-n-octyl phthalate	ND	10	ug/L	5.0
Diphenylamine	ND	10	ug/L	1.1
Ethyl methanesulfonate	ND	10	ug/L	0.94
Fluoranthene	ND	10	ug/L	5.0
Fluorene	ND	10	ug/L	1.0
Hexachlorobenzene	ND	10	ug/L	2.1
Hexachlorobutadiene	ND	10	ug/L	1.3
Hexachlorocyclopenta-diene	ND	50	ug/L	1.5
Hexachloroethane	ND	10	ug/L	0.46
Hexachloropropene	ND	100	ug/L	1.0
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	1.5
Isophorone	ND	10	ug/L	1.5
Isosafrole	ND	20	ug/L	1.2
Methapyrilene	ND	50	ug/L	20
3-Methylcholanthrene	ND	20	ug/L	1.0
Methyl methanesulfonate	ND	10	ug/L	0.93
2-Methylnaphthalene	ND	10	ug/L	1.6
2-Methylphenol	ND	10	ug/L	1.4
3-Methylphenol	ND	10	ug/L	5.0
4-Methylphenol	ND	10	ug/L	5.0
Naphthalene	ND	10	ug/L	1.5
1,4-Naphthoquinone	ND	50	ug/L	2.0
1-Naphthylamine	ND	10	ug/L	1.0
2-Naphthylamine	ND	10	ug/L	1.0

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-T

GC/MS Semivolatiles

Lot-Sample #...: D6F080262-001 **Work Order #...:** H61T62AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Nitroaniline	ND	50	ug/L	5.0
3-Nitroaniline	ND	50	ug/L	3.6
4-Nitroaniline	ND	50	ug/L	10
Nitrobenzene	ND	10	ug/L	5.0
2-Nitrophenol	ND	10	ug/L	5.0
4-Nitrophenol	ND	50	ug/L	1.7
N-Nitrosodi-n-butylamine	ND	10	ug/L	2.0
N-Nitrosodiethylamine	ND	10	ug/L	1.1
N-Nitrosodimethylamine	ND	10	ug/L	1.6
N-Nitrosodiphenylamine	ND	10	ug/L	0.44
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	5.0
N-Nitrosomethylethylamine	ND	10	ug/L	0.96
N-Nitrosomorpholine	ND	10	ug/L	2.0
N-Nitrosopiperidine	ND	10	ug/L	2.0
N-Nitrosopyrrolidine	ND	10	ug/L	0.80
5-Nitro-o-toluidine	ND	20	ug/L	2.0
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	0.43
Pentachlorobenzene	ND	10	ug/L	2.0
Pentachloroethane	ND	50	ug/L	2.0
Pentachloronitrobenzene	ND	50	ug/L	2.0
Pentachlorophenol	ND	50	ug/L	20
Phenacetin	ND	20	ug/L	1.1
Phenanthrene	ND	10	ug/L	1.0
Phenol	ND	10	ug/L	1.4
2-Picoline	ND	20	ug/L	3.0
Pronamide	ND	20	ug/L	2.0
Pyrene	ND	10	ug/L	0.37
Pyridine	ND	20	ug/L	1.7
Safrole	ND	50	ug/L	1.1
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	2.0
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	2.0
2-Toluidine	ND	10	ug/L	0.90
1,2,4-Trichloro-benzene	ND	10	ug/L	1.5
2,4,5-Trichloro-phenol	ND	10	ug/L	5.0
2,4,6-Trichloro-phenol	ND	10	ug/L	5.0
1,3,5-Trinitrobenzene	ND	50	ug/L	2.0

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-T

GC/MS Semivolatiles

Lot-Sample #...: D6F080262-001 **Work Order #...:** H61T62AC **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	62	(40 - 120)
Phenol-d5	65	(51 - 120)
Nitrobenzene-d5	64	(47 - 120)
2-Fluorobiphenyl	61	(42 - 120)
2,4,6-Tribromophenol	69	(47 - 120)
Terphenyl-d14	80	(30 - 127)

U.S. Geological Survey (USGS)

CAFB-T

GC/MS Semivolatiles

Lot-Sample #: D6F080262-001 **Work Order #:** H61T62AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		4.8 J	M	1.8128	ug/L
Cyclohexane	110-82-7	82 J	M	1.9297	ug/L
Unknown		45 J	M	1.9882	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-C

GC/MS Semivolatiles

Lot-Sample #...: D6F080262-002 **Work Order #...:** H61VL2AN **Matrix.....:** WATER
Date Sampled...: 06/06/06 15:55 **Date Received..:** 06/08/06
Prep Date.....: 06/13/06 **Analysis Date..:** 06/19/06
Prep Batch #...: 6164539 **Analysis Time..:** 19:34
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	1.7
Acenaphthylene	ND	10	ug/L	1.8
Acetophenone	ND	10	ug/L	2.0
2-Acetylaminofluorene	ND	100	ug/L	2.0
4-Aminobiphenyl	ND	50	ug/L	0.92
Aniline	ND	10	ug/L	2.0
Anthracene	ND	10	ug/L	1.9
Aramite	ND	20	ug/L	0.99
Benzo(a)anthracene	ND	10	ug/L	1.7
Benzo(b)fluoranthene	ND	10	ug/L	0.39
Benzo(k)fluoranthene	ND	10	ug/L	0.46
Benzo(ghi)perylene	ND	10	ug/L	1.0
Benzo(a)pyrene	ND	10	ug/L	1.3
Benzyl alcohol	ND	10	ug/L	2.0
bis(2-Chloroethoxy) methane	ND	10	ug/L	1.4
bis(2-Chloroethyl)-ether	ND	10	ug/L	3.9
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	5.0
4-Bromophenyl phenyl ether	ND	10	ug/L	2.1
Butyl benzyl phthalate	ND	10	ug/L	5.0
4-Chloroaniline	ND	10	ug/L	2.0
4-Chloro-3-methylphenol	ND	10	ug/L	5.0
2-Chloronaphthalene	ND	10	ug/L	1.7
2-Chlorophenol	ND	10	ug/L	0.38
4-Chlorophenyl phenyl ether	ND	10	ug/L	2.0
Chrysene	ND	10	ug/L	1.0
Dibenz(a,h)anthracene	ND	10	ug/L	1.4
Dibenzofuran	ND	10	ug/L	1.7
Di-n-butyl phthalate	ND	10	ug/L	5.0
1,2-Dichlorobenzene	ND	10	ug/L	1.4
1,3-Dichlorobenzene	ND	10	ug/L	1.5
1,4-Dichlorobenzene	ND	10	ug/L	1.4
3,3'-Dichlorobenzidine	ND	50	ug/L	2.0
2,4-Dichlorophenol	ND	10	ug/L	1.3

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-C

GC/MS Semivolatiles

Lot-Sample #...: D6F080262-002 **Work Order #...:** H61VL2AN **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,6-Dichlorophenol	ND	10	ug/L	1.0
Diethyl phthalate	ND	10	ug/L	5.0
4-Dimethylaminoazobenzene	ND	20	ug/L	2.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	0.82
3,3'-Dimethylbenzidine	ND	20	ug/L	0.56
alpha,alpha-Dimethylphenethylamine	ND	50	ug/L	11
2,4-Dimethylphenol	ND	10	ug/L	0.57
Dimethyl phthalate	ND	10	ug/L	5.0
1,3-Dinitrobenzene	ND	10	ug/L	2.0
4,6-Dinitro-2-methylphenol	ND	50	ug/L	20
2,4-Dinitrophenol	ND	50	ug/L	20
2,4-Dinitrotoluene	ND	10	ug/L	5.0
2,6-Dinitrotoluene	ND	10	ug/L	5.0
2-sec-Butyl-4,6-dinitrophenol	ND	20	ug/L	2.0
Di-n-octyl phthalate	ND	10	ug/L	5.0
Diphenylamine	ND	10	ug/L	1.1
Ethyl methanesulfonate	ND	10	ug/L	0.94
Fluoranthene	ND	10	ug/L	5.0
Fluorene	ND	10	ug/L	1.0
Hexachlorobenzene	ND	10	ug/L	2.1
Hexachlorobutadiene	ND	10	ug/L	1.3
Hexachlorocyclopentadiene	ND	50	ug/L	1.5
Hexachloroethane	ND	10	ug/L	0.46
Hexachloropropene	ND	100	ug/L	1.0
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	1.5
Isophorone	ND	10	ug/L	1.5
Isosafrole	ND	20	ug/L	1.2
Methapyrilene	ND	50	ug/L	20
3-Methylcholanthrene	ND	20	ug/L	1.0
Methyl methanesulfonate	ND	10	ug/L	0.93
2-Methylnaphthalene	ND	10	ug/L	1.6
2-Methylphenol	ND	10	ug/L	1.4
3-Methylphenol	ND	10	ug/L	5.0
4-Methylphenol	ND	10	ug/L	5.0
Naphthalene	ND	10	ug/L	1.5
1,4-Naphthoquinone	ND	50	ug/L	2.0
1-Naphthylamine	ND	10	ug/L	1.0
2-Naphthylamine	ND	10	ug/L	1.0

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-C

GC/MS Semivolatiles

Lot-Sample #...: D6F080262-002 **Work Order #...:** H61VL2AN **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Nitroaniline	ND	50	ug/L	5.0
3-Nitroaniline	ND	50	ug/L	3.6
4-Nitroaniline	ND	50	ug/L	10
Nitrobenzene	ND	10	ug/L	5.0
2-Nitrophenol	ND	10	ug/L	5.0
4-Nitrophenol	ND	50	ug/L	1.7
N-Nitrosodi-n-butylamine	ND	10	ug/L	2.0
N-Nitrosodiethylamine	ND	10	ug/L	1.1
N-Nitrosodimethylamine	ND	10	ug/L	1.6
N-Nitrosodiphenylamine	ND	10	ug/L	0.44
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	5.0
N-Nitrosomethylethylamine	ND	10	ug/L	0.96
N-Nitrosomorpholine	ND	10	ug/L	2.0
N-Nitrosopiperidine	ND	10	ug/L	2.0
N-Nitrosopyrrolidine	ND	10	ug/L	0.80
5-Nitro-o-toluidine	ND	20	ug/L	2.0
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	0.43
Pentachlorobenzene	ND	10	ug/L	2.0
Pentachloroethane	ND	50	ug/L	2.0
Pentachloronitrobenzene	ND	50	ug/L	2.0
Pentachlorophenol	ND	50	ug/L	20
Phenacetin	ND	20	ug/L	1.1
Phenanthrene	ND	10	ug/L	1.0
Phenol	ND	10	ug/L	1.4
2-Picoline	ND	20	ug/L	3.0
Pronamide	ND	20	ug/L	2.0
Pyrene	ND	10	ug/L	0.37
Pyridine	ND	20	ug/L	1.7
Safrole	ND	50	ug/L	1.1
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	2.0
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	2.0
2-Toluidine	ND	10	ug/L	0.90
1,2,4-Trichloro-benzene	ND	10	ug/L	1.5
2,4,5-Trichloro-phenol	ND	10	ug/L	5.0
2,4,6-Trichloro-phenol	ND	10	ug/L	5.0
1,3,5-Trinitrobenzene	ND	50	ug/L	2.0

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-C

GC/MS Semivolatiles

Lot-Sample #...: D6F080262-002 **Work Order #...:** H61VL2AN **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	78	(40 - 120)
Phenol-d5	79	(51 - 120)
Nitrobenzene-d5	80	(47 - 120)
2-Fluorobiphenyl	79	(42 - 120)
2,4,6-Tribromophenol	87	(47 - 120)
Terphenyl-d14	97	(30 - 127)

U.S. Geological Survey (USGS)

CAFB-C

GC/MS Semivolatiles

Lot-Sample #: D6F080262-002 **Work Order #:** H61VL2AN **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		15 J	M	1.8122	ug/L
Cyclohexane	110-82-7	100 J	M	1.9344	ug/L
Unknown		54 J	M	1.9929	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-S

GC/MS Semivolatiles

Lot-Sample #...: D6F080262-003 **Work Order #...:** H61VM2AN **Matrix.....:** WATER
Date Sampled...: 06/06/06 11:20 **Date Received..:** 06/08/06
Prep Date.....: 06/13/06 **Analysis Date..:** 06/19/06
Prep Batch #...: 6164539 **Analysis Time..:** 19:54
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	1.7
Acenaphthylene	ND	10	ug/L	1.8
Acetophenone	ND	10	ug/L	2.0
2-Acetylaminofluorene	ND	100	ug/L	2.0
4-Aminobiphenyl	ND	50	ug/L	0.92
Aniline	ND	10	ug/L	2.0
Anthracene	ND	10	ug/L	1.9
Aramite	ND	20	ug/L	0.99
Benzo(a)anthracene	ND	10	ug/L	1.7
Benzo(b)fluoranthene	ND	10	ug/L	0.39
Benzo(k)fluoranthene	ND	10	ug/L	0.46
Benzo(ghi)perylene	ND	10	ug/L	1.0
Benzo(a)pyrene	ND	10	ug/L	1.3
Benzyl alcohol	ND	10	ug/L	2.0
bis(2-Chloroethoxy) methane	ND	10	ug/L	1.4
bis(2-Chloroethyl)-ether	ND	10	ug/L	3.9
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	5.0
4-Bromophenyl phenyl ether	ND	10	ug/L	2.1
Butyl benzyl phthalate	ND	10	ug/L	5.0
4-Chloroaniline	ND	10	ug/L	2.0
4-Chloro-3-methylphenol	ND	10	ug/L	5.0
2-Chloronaphthalene	ND	10	ug/L	1.7
2-Chlorophenol	ND	10	ug/L	0.38
4-Chlorophenyl phenyl ether	ND	10	ug/L	2.0
Chrysene	ND	10	ug/L	1.0
Dibenz(a,h)anthracene	ND	10	ug/L	1.4
Dibenzofuran	ND	10	ug/L	1.7
Di-n-butyl phthalate	ND	10	ug/L	5.0
1,2-Dichlorobenzene	ND	10	ug/L	1.4
1,3-Dichlorobenzene	ND	10	ug/L	1.5
1,4-Dichlorobenzene	ND	10	ug/L	1.4
3,3'-Dichlorobenzidine	ND	50	ug/L	2.0
2,4-Dichlorophenol	ND	10	ug/L	1.3

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-S

GC/MS Semivolatiles

Lot-Sample #...: D6F080262-003 **Work Order #...:** H61VM2AN **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,6-Dichlorophenol	ND	10	ug/L	1.0
Diethyl phthalate	ND	10	ug/L	5.0
4-Dimethylaminoazobenzene	ND	20	ug/L	2.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	0.82
3,3'-Dimethylbenzidine	ND	20	ug/L	0.56
alpha,alpha-Dimethylphenethylamine	ND	50	ug/L	11
2,4-Dimethylphenol	ND	10	ug/L	0.57
Dimethyl phthalate	ND	10	ug/L	5.0
1,3-Dinitrobenzene	ND	10	ug/L	2.0
4,6-Dinitro-2-methylphenol	ND	50	ug/L	20
2,4-Dinitrophenol	ND	50	ug/L	20
2,4-Dinitrotoluene	ND	10	ug/L	5.0
2,6-Dinitrotoluene	ND	10	ug/L	5.0
2-sec-Butyl-4,6-dinitrophenol	ND	20	ug/L	2.0
Di-n-octyl phthalate	ND	10	ug/L	5.0
Diphenylamine	ND	10	ug/L	1.1
Ethyl methanesulfonate	ND	10	ug/L	0.94
Fluoranthene	ND	10	ug/L	5.0
Fluorene	ND	10	ug/L	1.0
Hexachlorobenzene	ND	10	ug/L	2.1
Hexachlorobutadiene	ND	10	ug/L	1.3
Hexachlorocyclopentadiene	ND	50	ug/L	1.5
Hexachloroethane	ND	10	ug/L	0.46
Hexachloropropene	ND	100	ug/L	1.0
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	1.5
Isophorone	ND	10	ug/L	1.5
Isosafrole	ND	20	ug/L	1.2
Methapyrilene	ND	50	ug/L	20
3-Methylcholanthrene	ND	20	ug/L	1.0
Methyl methanesulfonate	ND	10	ug/L	0.93
2-Methylnaphthalene	ND	10	ug/L	1.6
2-Methylphenol	ND	10	ug/L	1.4
3-Methylphenol	ND	10	ug/L	5.0
4-Methylphenol	ND	10	ug/L	5.0
Naphthalene	ND	10	ug/L	1.5
1,4-Naphthoquinone	ND	50	ug/L	2.0
1-Naphthylamine	ND	10	ug/L	1.0
2-Naphthylamine	ND	10	ug/L	1.0

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-S

GC/MS Semivolatiles

Lot-Sample #...: D6F080262-003 **Work Order #...:** H61VM2AN **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Nitroaniline	ND	50	ug/L	5.0
3-Nitroaniline	ND	50	ug/L	3.6
4-Nitroaniline	ND	50	ug/L	10
Nitrobenzene	ND	10	ug/L	5.0
2-Nitrophenol	ND	10	ug/L	5.0
4-Nitrophenol	ND	50	ug/L	1.7
N-Nitrosodi-n-butylamine	ND	10	ug/L	2.0
N-Nitrosodiethylamine	ND	10	ug/L	1.1
N-Nitrosodimethylamine	ND	10	ug/L	1.6
N-Nitrosodiphenylamine	ND	10	ug/L	0.44
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	5.0
N-Nitrosomethylethylamine	ND	10	ug/L	0.96
N-Nitrosomorpholine	ND	10	ug/L	2.0
N-Nitrosopiperidine	ND	10	ug/L	2.0
N-Nitrosopyrrolidine	ND	10	ug/L	0.80
5-Nitro-o-toluidine	ND	20	ug/L	2.0
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	0.43
Pentachlorobenzene	ND	10	ug/L	2.0
Pentachloroethane	ND	50	ug/L	2.0
Pentachloronitrobenzene	ND	50	ug/L	2.0
Pentachlorophenol	ND	50	ug/L	20
Phenacetin	ND	20	ug/L	1.1
Phenanthrene	ND	10	ug/L	1.0
Phenol	ND	10	ug/L	1.4
2-Picoline	ND	20	ug/L	3.0
Pronamide	ND	20	ug/L	2.0
Pyrene	ND	10	ug/L	0.37
Pyridine	ND	20	ug/L	1.7
Safrole	ND	50	ug/L	1.1
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	2.0
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	2.0
2-Toluidine	ND	10	ug/L	0.90
1,2,4-Trichloro-benzene	ND	10	ug/L	1.5
2,4,5-Trichloro-phenol	ND	10	ug/L	5.0
2,4,6-Trichloro-phenol	ND	10	ug/L	5.0
1,3,5-Trinitrobenzene	ND	50	ug/L	2.0

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-S

GC/MS Semivolatiles

Lot-Sample #...: D6F080262-003 **Work Order #...:** H61VM2AN **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	78	(40 - 120)
Phenol-d5	79	(51 - 120)
Nitrobenzene-d5	83	(47 - 120)
2-Fluorobiphenyl	82	(42 - 120)
2,4,6-Tribromophenol	89	(47 - 120)
Terphenyl-d14	101	(30 - 127)

U.S. Geological Survey (USGS)

CAFB-S

GC/MS Semivolatiles

Lot-Sample #: D6F080262-003 **Work Order #:** H61VM2AN **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		10 J	M	1.8114	ug/L
Cyclohexane	110-82-7	75 J	M	1.9337	ug/L
Unknown		55 J	M	1.9921	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-D

GC/MS Semivolatiles

Lot-Sample #...: D6F080262-004 **Work Order #...:** H61VN1AN **Matrix.....:** WATER
Date Sampled...: 06/06/06 12:55 **Date Received..:** 06/08/06
Prep Date.....: 06/09/06 **Analysis Date..:** 06/16/06
Prep Batch #...: 6160474 **Analysis Time..:** 03:58
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	1.7
Acenaphthylene	ND	10	ug/L	1.8
Acetophenone	ND	10	ug/L	2.0
2-Acetylaminofluorene	ND	100	ug/L	2.0
4-Aminobiphenyl	ND	50	ug/L	0.92
Aniline	ND	10	ug/L	2.0
Anthracene	ND	10	ug/L	1.9
Aramite	ND	20	ug/L	0.99
Benzo(a)anthracene	ND	10	ug/L	1.7
Benzo(b)fluoranthene	ND	10	ug/L	0.39
Benzo(k)fluoranthene	ND	10	ug/L	0.46
Benzo(ghi)perylene	ND	10	ug/L	1.0
Benzo(a)pyrene	ND	10	ug/L	1.3
Benzyl alcohol	ND	10	ug/L	2.0
bis(2-Chloroethoxy) methane	ND	10	ug/L	1.4
bis(2-Chloroethyl)-ether	ND	10	ug/L	3.9
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	1.4
4-Bromophenyl phenyl ether	ND	10	ug/L	2.1
Butyl benzyl phthalate	ND	10	ug/L	5.0
4-Chloroaniline	ND	10	ug/L	2.0
4-Chloro-3-methylphenol	ND	10	ug/L	5.0
2-Chloronaphthalene	ND	10	ug/L	1.7
2-Chlorophenol	ND	10	ug/L	0.38
4-Chlorophenyl phenyl ether	ND	10	ug/L	2.0
Chrysene	ND	10	ug/L	1.0
Dibenz(a,h)anthracene	ND	10	ug/L	1.4
Dibenzofuran	ND	10	ug/L	1.7
Di-n-butyl phthalate	ND	10	ug/L	5.0
1,2-Dichlorobenzene	ND	10	ug/L	1.4
1,3-Dichlorobenzene	ND	10	ug/L	1.5
1,4-Dichlorobenzene	ND	10	ug/L	1.4
3,3'-Dichlorobenzidine	ND	50	ug/L	2.0
2,4-Dichlorophenol	ND	10	ug/L	1.3

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-D

GC/MS Semivolatiles

Lot-Sample #...: D6F080262-004 **Work Order #...:** H61VN1AN **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,6-Dichlorophenol	ND	10	ug/L	1.0
Diethyl phthalate	ND	10	ug/L	5.0
4-Dimethylaminoazobenzene	ND	20	ug/L	2.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	0.82
3,3'-Dimethylbenzidine	ND	20	ug/L	0.56
alpha,alpha-Dimethylphenethylamine	ND	50	ug/L	11
2,4-Dimethylphenol	ND	10	ug/L	0.57
Dimethyl phthalate	ND	10	ug/L	5.0
1,3-Dinitrobenzene	ND	10	ug/L	2.0
4,6-Dinitro-2-methylphenol	ND	50	ug/L	20
2,4-Dinitrophenol	ND	50	ug/L	20
2,4-Dinitrotoluene	ND	10	ug/L	5.0
2,6-Dinitrotoluene	ND	10	ug/L	5.0
2-sec-Butyl-4,6-dinitrophenol	ND	20	ug/L	2.0
Di-n-octyl phthalate	ND	10	ug/L	5.0
Diphenylamine	ND	10	ug/L	1.1
Ethyl methanesulfonate	ND	10	ug/L	0.94
Fluoranthene	ND	10	ug/L	5.0
Fluorene	ND	10	ug/L	1.0
Hexachlorobenzene	ND	10	ug/L	2.1
Hexachlorobutadiene	ND	10	ug/L	1.3
Hexachlorocyclopentadiene	ND	50	ug/L	1.5
Hexachloroethane	ND	10	ug/L	0.46
Hexachloropropene	ND	100	ug/L	1.0
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	1.5
Isophorone	ND	10	ug/L	1.5
Isosafrole	ND	20	ug/L	1.2
Methapyrilene	ND	50	ug/L	20
3-Methylcholanthrene	ND	20	ug/L	1.0
Methyl methanesulfonate	ND	10	ug/L	0.93
2-Methylnaphthalene	ND	10	ug/L	1.6
2-Methylphenol	ND	10	ug/L	1.4
3-Methylphenol	ND	10	ug/L	5.0
4-Methylphenol	ND	10	ug/L	5.0
Naphthalene	ND	10	ug/L	1.5
1,4-Naphthoquinone	ND	50	ug/L	2.0
1-Naphthylamine	ND	10	ug/L	1.0
2-Naphthylamine	ND	10	ug/L	1.0

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-D

GC/MS Semivolatiles

Lot-Sample #...: D6F080262-004 **Work Order #...:** H61VN1AN **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Nitroaniline	ND	50	ug/L	5.0
3-Nitroaniline	ND	50	ug/L	3.6
4-Nitroaniline	ND	50	ug/L	10
Nitrobenzene	ND	10	ug/L	5.0
2-Nitrophenol	ND	10	ug/L	5.0
4-Nitrophenol	ND	50	ug/L	1.7
N-Nitrosodi-n-butylamine	ND	10	ug/L	2.0
N-Nitrosodiethylamine	ND	10	ug/L	1.1
N-Nitrosodimethylamine	ND	10	ug/L	1.6
N-Nitrosodiphenylamine	ND	10	ug/L	0.44
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	5.0
N-Nitrosomethylethylamine	ND	10	ug/L	0.96
N-Nitrosomorpholine	ND	10	ug/L	2.0
N-Nitrosopiperidine	ND	10	ug/L	2.0
N-Nitrosopyrrolidine	ND	10	ug/L	0.80
5-Nitro-o-toluidine	ND	20	ug/L	2.0
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	0.43
Pentachlorobenzene	ND	10	ug/L	2.0
Pentachloroethane	ND	50	ug/L	2.0
Pentachloronitrobenzene	ND	50	ug/L	2.0
Pentachlorophenol	ND	50	ug/L	20
Phenacetin	ND	20	ug/L	1.1
Phenanthrene	ND	10	ug/L	1.0
Phenol	ND	10	ug/L	1.4
2-Picoline	ND	20	ug/L	3.0
Pronamide	ND	20	ug/L	2.0
Pyrene	ND	10	ug/L	0.37
Pyridine	ND	20	ug/L	1.7
Safrole	ND	50	ug/L	1.1
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	2.0
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	2.0
2-Toluidine	ND	10	ug/L	0.90
1,2,4-Trichloro-benzene	ND	10	ug/L	1.5
2,4,5-Trichloro-phenol	ND	10	ug/L	5.0
2,4,6-Trichloro-phenol	ND	10	ug/L	5.0
1,3,5-Trinitrobenzene	ND	50	ug/L	2.0

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-D

GC/MS Semivolatiles

Lot-Sample #...: D6F080262-004 **Work Order #...:** H61VN1AN **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	85	(40 - 120)
Phenol-d5	89	(51 - 120)
Nitrobenzene-d5	86	(47 - 120)
2-Fluorobiphenyl	71	(42 - 120)
2,4,6-Tribromophenol	73	(47 - 120)
Terphenyl-d14	93	(30 - 127)

U.S. Geological Survey (USGS)

CAFB-D

GC/MS Semivolatiles

Lot-Sample #: D6F080262-004 **Work Order #:** H61VN1AN **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		6.3 J	M	1.8388	ug/L
Cyclohexane	110-82-7	88 J	M	1.9557	ug/L
Unknown		23 J	M	2.0142	ug/L
Unknown		23 J	M	2.1046	ug/L
Unknown		6.4 J	M	3.965	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-D

GC/MS Semivolatiles

Lot-Sample #...: D6F080262-004 **Work Order #...:** H61VN2AN **Matrix.....:** WATER
Date Sampled...: 06/06/06 12:55 **Date Received..:** 06/08/06
Prep Date.....: 06/13/06 **Analysis Date..:** 06/19/06
Prep Batch #...: 6164539 **Analysis Time..:** 20:14
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	1.7
Acenaphthylene	ND	10	ug/L	1.8
Acetophenone	ND	10	ug/L	2.0
2-Acetylaminofluorene	ND	100	ug/L	2.0
4-Aminobiphenyl	ND	50	ug/L	0.92
Aniline	ND	10	ug/L	2.0
Anthracene	ND	10	ug/L	1.9
Aramite	ND	20	ug/L	0.99
Benzo(a)anthracene	ND	10	ug/L	1.7
Benzo(b)fluoranthene	ND	10	ug/L	0.39
Benzo(k)fluoranthene	ND	10	ug/L	0.46
Benzo(ghi)perylene	ND	10	ug/L	1.0
Benzo(a)pyrene	ND	10	ug/L	1.3
Benzyl alcohol	ND	10	ug/L	2.0
bis(2-Chloroethoxy) methane	ND	10	ug/L	1.4
bis(2-Chloroethyl)-ether	ND	10	ug/L	3.9
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	5.0
4-Bromophenyl phenyl ether	ND	10	ug/L	2.1
Butyl benzyl phthalate	ND	10	ug/L	5.0
4-Chloroaniline	ND	10	ug/L	2.0
4-Chloro-3-methylphenol	ND	10	ug/L	5.0
2-Chloronaphthalene	ND	10	ug/L	1.7
2-Chlorophenol	ND	10	ug/L	0.38
4-Chlorophenyl phenyl ether	ND	10	ug/L	2.0
Chrysene	ND	10	ug/L	1.0
Dibenz(a,h)anthracene	ND	10	ug/L	1.4
Dibenzofuran	ND	10	ug/L	1.7
Di-n-butyl phthalate	ND	10	ug/L	5.0
1,2-Dichlorobenzene	ND	10	ug/L	1.4
1,3-Dichlorobenzene	ND	10	ug/L	1.5
1,4-Dichlorobenzene	ND	10	ug/L	1.4
3,3'-Dichlorobenzidine	ND	50	ug/L	2.0
2,4-Dichlorophenol	ND	10	ug/L	1.3

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-D

GC/MS Semivolatiles

Lot-Sample #...: D6F080262-004 **Work Order #...:** H61VN2AN **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,6-Dichlorophenol	ND	10	ug/L	1.0
Diethyl phthalate	ND	10	ug/L	5.0
4-Dimethylaminoazobenzene	ND	20	ug/L	2.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	0.82
3,3'-Dimethylbenzidine	ND	20	ug/L	0.56
alpha,alpha-Dimethylphenethylamine	ND	50	ug/L	11
2,4-Dimethylphenol	ND	10	ug/L	0.57
Dimethyl phthalate	ND	10	ug/L	5.0
1,3-Dinitrobenzene	ND	10	ug/L	2.0
4,6-Dinitro-2-methylphenol	ND	50	ug/L	20
2,4-Dinitrophenol	ND	50	ug/L	20
2,4-Dinitrotoluene	ND	10	ug/L	5.0
2,6-Dinitrotoluene	ND	10	ug/L	5.0
2-sec-Butyl-4,6-dinitrophenol	ND	20	ug/L	2.0
Di-n-octyl phthalate	ND	10	ug/L	5.0
Diphenylamine	ND	10	ug/L	1.1
Ethyl methanesulfonate	ND	10	ug/L	0.94
Fluoranthene	ND	10	ug/L	5.0
Fluorene	ND	10	ug/L	1.0
Hexachlorobenzene	ND	10	ug/L	2.1
Hexachlorobutadiene	ND	10	ug/L	1.3
Hexachlorocyclopentadiene	ND	50	ug/L	1.5
Hexachloroethane	ND	10	ug/L	0.46
Hexachloropropene	ND	100	ug/L	1.0
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	1.5
Isophorone	ND	10	ug/L	1.5
Isosafrole	ND	20	ug/L	1.2
Methapyrilene	ND	50	ug/L	20
3-Methylcholanthrene	ND	20	ug/L	1.0
Methyl methanesulfonate	ND	10	ug/L	0.93
2-Methylnaphthalene	ND	10	ug/L	1.6
2-Methylphenol	ND	10	ug/L	1.4
3-Methylphenol	ND	10	ug/L	5.0
4-Methylphenol	ND	10	ug/L	5.0
Naphthalene	ND	10	ug/L	1.5
1,4-Naphthoquinone	ND	50	ug/L	2.0
1-Naphthylamine	ND	10	ug/L	1.0
2-Naphthylamine	ND	10	ug/L	1.0

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-D

GC/MS Semivolatiles

Lot-Sample #...: D6F080262-004 **Work Order #...:** H61VN2AN **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Nitroaniline	ND	50	ug/L	5.0
3-Nitroaniline	ND	50	ug/L	3.6
4-Nitroaniline	ND	50	ug/L	10
Nitrobenzene	ND	10	ug/L	5.0
2-Nitrophenol	ND	10	ug/L	5.0
4-Nitrophenol	ND	50	ug/L	1.7
N-Nitrosodi-n-butylamine	ND	10	ug/L	2.0
N-Nitrosodiethylamine	ND	10	ug/L	1.1
N-Nitrosodimethylamine	ND	10	ug/L	1.6
N-Nitrosodiphenylamine	ND	10	ug/L	0.44
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	5.0
N-Nitrosomethylethylamine	ND	10	ug/L	0.96
N-Nitrosomorpholine	ND	10	ug/L	2.0
N-Nitrosopiperidine	ND	10	ug/L	2.0
N-Nitrosopyrrolidine	ND	10	ug/L	0.80
5-Nitro-o-toluidine	ND	20	ug/L	2.0
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	0.43
Pentachlorobenzene	ND	10	ug/L	2.0
Pentachloroethane	ND	50	ug/L	2.0
Pentachloronitrobenzene	ND	50	ug/L	2.0
Pentachlorophenol	ND	50	ug/L	20
Phenacetin	ND	20	ug/L	1.1
Phenanthrene	ND	10	ug/L	1.0
Phenol	ND	10	ug/L	1.4
2-Picoline	ND	20	ug/L	3.0
Pronamide	ND	20	ug/L	2.0
Pyrene	ND	10	ug/L	0.37
Pyridine	ND	20	ug/L	1.7
Safrole	ND	50	ug/L	1.1
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	2.0
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	2.0
2-Toluidine	ND	10	ug/L	0.90
1,2,4-Trichloro-benzene	ND	10	ug/L	1.5
2,4,5-Trichloro-phenol	ND	10	ug/L	5.0
2,4,6-Trichloro-phenol	ND	10	ug/L	5.0
1,3,5-Trinitrobenzene	ND	50	ug/L	2.0

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-D

GC/MS Semivolatiles

Lot-Sample #...: D6F080262-004 **Work Order #...:** H61VN2AN **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(40 - 120)
Phenol-d5	74	(51 - 120)
Nitrobenzene-d5	75	(47 - 120)
2-Fluorobiphenyl	72	(42 - 120)
2,4,6-Tribromophenol	86	(47 - 120)
Terphenyl-d14	88	(30 - 127)

U.S. Geological Survey (USGS)

CAFB-D

GC/MS Semivolatiles

Lot-Sample #: D6F080262-004 **Work Order #:** H61VN2AN **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Cyclohexane	110-82-7	53 J	M	1.9293	ug/L
Unknown		39 J	M	1.9931	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-DD

GC/MS Semivolatiles

Lot-Sample #...: D6F080262-005 **Work Order #...:** H61W02AN **Matrix.....:** WATER
Date Sampled...: 06/06/06 13:05 **Date Received..:** 06/08/06
Prep Date.....: 06/13/06 **Analysis Date..:** 06/19/06
Prep Batch #...: 6164539 **Analysis Time..:** 20:34
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	1.7
Acenaphthylene	ND	10	ug/L	1.8
Acetophenone	ND	10	ug/L	2.0
2-Acetylaminofluorene	ND	100	ug/L	2.0
4-Aminobiphenyl	ND	50	ug/L	0.92
Aniline	ND	10	ug/L	2.0
Anthracene	ND	10	ug/L	1.9
Aramite	ND	20	ug/L	0.99
Benzo(a)anthracene	ND	10	ug/L	1.7
Benzo(b)fluoranthene	ND	10	ug/L	0.39
Benzo(k)fluoranthene	ND	10	ug/L	0.46
Benzo(ghi)perylene	ND	10	ug/L	1.0
Benzo(a)pyrene	ND	10	ug/L	1.3
Benzyl alcohol	ND	10	ug/L	2.0
bis(2-Chloroethoxy) methane	ND	10	ug/L	1.4
bis(2-Chloroethyl)-ether	ND	10	ug/L	3.9
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	5.0
4-Bromophenyl phenyl ether	ND	10	ug/L	2.1
Butyl benzyl phthalate	ND	10	ug/L	5.0
4-Chloroaniline	ND	10	ug/L	2.0
4-Chloro-3-methylphenol	ND	10	ug/L	5.0
2-Chloronaphthalene	ND	10	ug/L	1.7
2-Chlorophenol	ND	10	ug/L	0.38
4-Chlorophenyl phenyl ether	ND	10	ug/L	2.0
Chrysene	ND	10	ug/L	1.0
Dibenz(a,h)anthracene	ND	10	ug/L	1.4
Dibenzofuran	ND	10	ug/L	1.7
Di-n-butyl phthalate	ND	10	ug/L	5.0
1,2-Dichlorobenzene	ND	10	ug/L	1.4
1,3-Dichlorobenzene	ND	10	ug/L	1.5
1,4-Dichlorobenzene	ND	10	ug/L	1.4
3,3'-Dichlorobenzidine	ND	50	ug/L	2.0
2,4-Dichlorophenol	ND	10	ug/L	1.3

(Continued on next page)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-DD

GC/MS Semivolatiles

Lot-Sample #...: D6F080262-005 **Work Order #...:** H61W02AN **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,6-Dichlorophenol	ND	10	ug/L	1.0
Diethyl phthalate	ND	10	ug/L	5.0
4-Dimethylaminoazobenzene	ND	20	ug/L	2.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	0.82
3,3'-Dimethylbenzidine	ND	20	ug/L	0.56
alpha,alpha-Dimethylphenethylamine	ND	50	ug/L	11
2,4-Dimethylphenol	ND	10	ug/L	0.57
Dimethyl phthalate	ND	10	ug/L	5.0
1,3-Dinitrobenzene	ND	10	ug/L	2.0
4,6-Dinitro-2-methylphenol	ND	50	ug/L	20
2,4-Dinitrophenol	ND	50	ug/L	20
2,4-Dinitrotoluene	ND	10	ug/L	5.0
2,6-Dinitrotoluene	ND	10	ug/L	5.0
2-sec-Butyl-4,6-dinitrophenol	ND	20	ug/L	2.0
Di-n-octyl phthalate	ND	10	ug/L	5.0
Diphenylamine	ND	10	ug/L	1.1
Ethyl methanesulfonate	ND	10	ug/L	0.94
Fluoranthene	ND	10	ug/L	5.0
Fluorene	ND	10	ug/L	1.0
Hexachlorobenzene	ND	10	ug/L	2.1
Hexachlorobutadiene	ND	10	ug/L	1.3
Hexachlorocyclopentadiene	ND	50	ug/L	1.5
Hexachloroethane	ND	10	ug/L	0.46
Hexachloropropene	ND	100	ug/L	1.0
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	1.5
Isophorone	ND	10	ug/L	1.5
Isosafrole	ND	20	ug/L	1.2
Methapyrilene	ND	50	ug/L	20
3-Methylcholanthrene	ND	20	ug/L	1.0
Methyl methanesulfonate	ND	10	ug/L	0.93
2-Methylnaphthalene	ND	10	ug/L	1.6
2-Methylphenol	ND	10	ug/L	1.4
3-Methylphenol	ND	10	ug/L	5.0
4-Methylphenol	ND	10	ug/L	5.0
Naphthalene	ND	10	ug/L	1.5
1,4-Naphthoquinone	ND	50	ug/L	2.0
1-Naphthylamine	ND	10	ug/L	1.0
2-Naphthylamine	ND	10	ug/L	1.0

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-DD

GC/MS Semivolatiles

Lot-Sample #...: D6F080262-005 **Work Order #...:** H61W02AN **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Nitroaniline	ND	50	ug/L	5.0
3-Nitroaniline	ND	50	ug/L	3.6
4-Nitroaniline	ND	50	ug/L	10
Nitrobenzene	ND	10	ug/L	5.0
2-Nitrophenol	ND	10	ug/L	5.0
4-Nitrophenol	ND	50	ug/L	1.7
N-Nitrosodi-n-butylamine	ND	10	ug/L	2.0
N-Nitrosodiethylamine	ND	10	ug/L	1.1
N-Nitrosodimethylamine	ND	10	ug/L	1.6
N-Nitrosodiphenylamine	ND	10	ug/L	0.44
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	5.0
N-Nitrosomethylethylamine	ND	10	ug/L	0.96
N-Nitrosomorpholine	ND	10	ug/L	2.0
N-Nitrosopiperidine	ND	10	ug/L	2.0
N-Nitrosopyrrolidine	ND	10	ug/L	0.80
5-Nitro-o-toluidine	ND	20	ug/L	2.0
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	0.43
Pentachlorobenzene	ND	10	ug/L	2.0
Pentachloroethane	ND	50	ug/L	2.0
Pentachloronitrobenzene	ND	50	ug/L	2.0
Pentachlorophenol	ND	50	ug/L	20
Phenacetin	ND	20	ug/L	1.1
Phenanthrene	ND	10	ug/L	1.0
Phenol	ND	10	ug/L	1.4
2-Picoline	ND	20	ug/L	3.0
Pronamide	ND	20	ug/L	2.0
Pyrene	ND	10	ug/L	0.37
Pyridine	ND	20	ug/L	1.7
Safrole	ND	50	ug/L	1.1
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	2.0
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	2.0
2-Toluidine	ND	10	ug/L	0.90
1,2,4-Trichloro-benzene	ND	10	ug/L	1.5
2,4,5-Trichloro-phenol	ND	10	ug/L	5.0
2,4,6-Trichloro-phenol	ND	10	ug/L	5.0
1,3,5-Trinitrobenzene	ND	50	ug/L	2.0

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-DD

GC/MS Semivolatiles

Lot-Sample #...: D6F080262-005 **Work Order #...:** H61W02AN **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	77	(40 - 120)
Phenol-d5	79	(51 - 120)
Nitrobenzene-d5	78	(47 - 120)
2-Fluorobiphenyl	73	(42 - 120)
2,4,6-Tribromophenol	83	(47 - 120)
Terphenyl-d14	86	(30 - 127)

U.S. Geological Survey (USGS)

CAFB-DD

GC/MS Semivolatiles

Lot-Sample #: D6F080262-005 **Work Order #:** H61W02AN **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		9.2 J	M	1.8117	ug/L
Cyclohexane	110-82-7	90 J	M	1.934	ug/L
Unknown		47 J	M	1.9925	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-A

GC Semivolatiles

Lot-Sample #...: D6F070234-001 **Work Order #...:** H6WJN1AD **Matrix.....:** WATER
Date Sampled...: 06/05/06 13:25 **Date Received..:** 06/07/06
Prep Date.....: 06/08/06 **Analysis Date..:** 06/13/06
Prep Batch #...: 6159184 **Analysis Time..:** 22:19
Dilution Factor: 1

Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug/L	0.0059
alpha-BHC	ND	0.050	ug/L	0.0053
beta-BHC	ND	0.050	ug/L	0.0087
delta-BHC	ND	0.050	ug/L	0.0058
gamma-BHC (Lindane)	ND	0.050	ug/L	0.0069
alpha-Chlordane	ND	0.050	ug/L	0.0053
gamma-Chlordane	ND	0.050	ug/L	0.0091
4,4'-DDD	ND	0.050	ug/L	0.0077
4,4'-DDE	ND	0.050	ug/L	0.0075
4,4'-DDT	ND	0.050	ug/L	0.015
Diallate	ND	1.0	ug/L	0.19
Dieldrin	ND	0.050	ug/L	0.0063
Endosulfan I	ND	0.050	ug/L	0.0058
Endosulfan II	ND	0.050	ug/L	0.0070
Endosulfan sulfate	ND	0.050	ug/L	0.0057
Endrin	ND	0.050	ug/L	0.0079
Endrin aldehyde	ND	0.050	ug/L	0.0088
Endrin ketone	ND	0.050	ug/L	0.0070
Heptachlor	ND	0.050	ug/L	0.0077
Heptachlor epoxide	ND	0.050	ug/L	0.0075
Isodrin	ND	0.10	ug/L	0.0039
Kepone	ND	1.0	ug/L	0.35
Methoxychlor	ND	0.10	ug/L	0.013
Toxaphene	ND	5.0	ug/L	0.30

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	44	(20 - 144)
Tetrachloro-m-xylene	38	(25 - 132)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-B

GC Semivolatiles

Lot-Sample #...: D6F070234-002 **Work Order #...:** H6WKP1AP **Matrix.....:** WATER
Date Sampled...: 06/06/06 08:45 **Date Received..:** 06/07/06
Prep Date.....: 06/08/06 **Analysis Date..:** 06/13/06
Prep Batch #...: 6159184 **Analysis Time..:** 22:36
Dilution Factor: 1

Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug/L	0.0059
alpha-BHC	ND	0.050	ug/L	0.0053
beta-BHC	ND	0.050	ug/L	0.0087
delta-BHC	ND	0.050	ug/L	0.0058
gamma-BHC (Lindane)	ND	0.050	ug/L	0.0069
alpha-Chlordane	ND	0.050	ug/L	0.0053
gamma-Chlordane	ND	0.050	ug/L	0.0091
4,4'-DDD	ND	0.050	ug/L	0.0077
4,4'-DDE	ND	0.050	ug/L	0.0075
4,4'-DDT	ND	0.050	ug/L	0.015
Diallate	ND	1.0	ug/L	0.19
Dieldrin	ND	0.050	ug/L	0.0063
Endosulfan I	ND	0.050	ug/L	0.0058
Endosulfan II	ND	0.050	ug/L	0.0070
Endosulfan sulfate	ND	0.050	ug/L	0.0057
Endrin	ND	0.050	ug/L	0.0079
Endrin aldehyde	ND	0.050	ug/L	0.0088
Endrin ketone	ND	0.050	ug/L	0.0070
Heptachlor	ND	0.050	ug/L	0.0077
Heptachlor epoxide	ND	0.050	ug/L	0.0075
Isodrin	ND	0.10	ug/L	0.0039
Kepone	ND	1.0	ug/L	0.35
Methoxychlor	ND	0.10	ug/L	0.013
Toxaphene	ND	5.0	ug/L	0.30

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	92	(20 - 144)
Tetrachloro-m-xylene	78	(25 - 132)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-U

GC Semivolatiles

Lot-Sample #...: D6F070234-003 **Work Order #...:** H6WKR1AP **Matrix.....:** WATER
Date Sampled...: 06/05/06 15:15 **Date Received..:** 06/07/06
Prep Date.....: 06/08/06 **Analysis Date..:** 06/13/06
Prep Batch #...: 6159184 **Analysis Time..:** 22:52
Dilution Factor: 1

Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug/L	0.0059
alpha-BHC	ND	0.050	ug/L	0.0053
beta-BHC	ND	0.050	ug/L	0.0087
delta-BHC	ND	0.050	ug/L	0.0058
gamma-BHC (Lindane)	ND	0.050	ug/L	0.0069
alpha-Chlordane	ND	0.050	ug/L	0.0053
gamma-Chlordane	ND	0.050	ug/L	0.0091
4,4'-DDD	ND	0.050	ug/L	0.0077
4,4'-DDE	ND	0.050	ug/L	0.0075
4,4'-DDT	ND	0.050	ug/L	0.015
Diallate	ND	1.0	ug/L	0.19
Dieldrin	ND	0.050	ug/L	0.0063
Endosulfan I	ND	0.050	ug/L	0.0058
Endosulfan II	ND	0.050	ug/L	0.0070
Endosulfan sulfate	ND	0.050	ug/L	0.0057
Endrin	ND	0.050	ug/L	0.0079
Endrin aldehyde	ND	0.050	ug/L	0.0088
Endrin ketone	ND	0.050	ug/L	0.0070
Heptachlor	ND	0.050	ug/L	0.0077
Heptachlor epoxide	ND	0.050	ug/L	0.0075
Isodrin	ND	0.10	ug/L	0.0039
Kepone	ND	1.0	ug/L	0.35
Methoxychlor	ND	0.10	ug/L	0.013
Toxaphene	ND	5.0	ug/L	0.30

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	89	(20 - 144)
Tetrachloro-m-xylene	80	(25 - 132)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-T

GC Semivolatiles

Lot-Sample #...: D6F080262-001 **Work Order #...:** H61T61AD **Matrix.....:** WATER
Date Sampled...: 06/06/06 10:05 **Date Received..:** 06/08/06
Prep Date.....: 06/10/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6160554 **Analysis Time..:** 05:25
Dilution Factor: 1

Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug/L	0.0059
alpha-BHC	ND	0.050	ug/L	0.0053
beta-BHC	ND	0.050	ug/L	0.0087
delta-BHC	ND	0.050	ug/L	0.0058
gamma-BHC (Lindane)	ND	0.050	ug/L	0.0069
alpha-Chlordane	ND	0.050	ug/L	0.0053
gamma-Chlordane	ND	0.050	ug/L	0.0091
4,4'-DDD	ND	0.050	ug/L	0.0077
4,4'-DDE	ND	0.050	ug/L	0.0075
4,4'-DDT	ND	0.050	ug/L	0.015
Diallate	ND	1.0	ug/L	0.19
Dieldrin	ND	0.050	ug/L	0.0063
Endosulfan I	ND	0.050	ug/L	0.0058
Endosulfan II	ND	0.050	ug/L	0.0070
Endosulfan sulfate	ND	0.050	ug/L	0.0057
Endrin	ND	0.050	ug/L	0.0079
Endrin aldehyde	ND	0.050	ug/L	0.0088
Endrin ketone	ND	0.050	ug/L	0.0070
Heptachlor	ND	0.050	ug/L	0.0077
Heptachlor epoxide	ND	0.050	ug/L	0.0075
Isodrin	**0.026 J**	**0.10**	**ug/L**	**0.0039**
Kepone	ND	1.0	ug/L	0.35
Methoxychlor	ND	0.10	ug/L	0.013
Toxaphene	ND	5.0	ug/L	0.30

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	94	(20 - 144)
Tetrachloro-m-xylene	83	(25 - 132)

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-C

GC Semivolatiles

Lot-Sample #...: D6F080262-002 **Work Order #...:** H61VL1AP **Matrix.....:** WATER
Date Sampled...: 06/06/06 15:55 **Date Received..:** 06/08/06
Prep Date.....: 06/10/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6160554 **Analysis Time..:** 05:41
Dilution Factor: 1

Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug/L	0.0059
alpha-BHC	ND	0.050	ug/L	0.0053
beta-BHC	ND	0.050	ug/L	0.0087
delta-BHC	ND	0.050	ug/L	0.0058
gamma-BHC (Lindane)	ND	0.050	ug/L	0.0069
alpha-Chlordane	ND	0.050	ug/L	0.0053
gamma-Chlordane	ND	0.050	ug/L	0.0091
4,4'-DDD	ND	0.050	ug/L	0.0077
4,4'-DDE	ND	0.050	ug/L	0.0075
4,4'-DDT	ND	0.050	ug/L	0.015
Diallate	ND	1.0	ug/L	0.19
Dieldrin	ND	0.050	ug/L	0.0063
Endosulfan I	ND	0.050	ug/L	0.0058
Endosulfan II	ND	0.050	ug/L	0.0070
Endosulfan sulfate	ND	0.050	ug/L	0.0057
Endrin	ND	0.050	ug/L	0.0079
Endrin aldehyde	ND	0.050	ug/L	0.0088
Endrin ketone	ND	0.050	ug/L	0.0070
Heptachlor	ND	0.050	ug/L	0.0077
Heptachlor epoxide	ND	0.050	ug/L	0.0075
Isodrin	ND	0.10	ug/L	0.0039
Kepone	ND	1.0	ug/L	0.35
Methoxychlor	ND	0.10	ug/L	0.013
Toxaphene	ND	5.0	ug/L	0.30

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	94	(20 - 144)
Tetrachloro-m-xylene	86	(25 - 132)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-S

GC Semivolatiles

Lot-Sample #...: D6F080262-003 **Work Order #...:** H61VM1AP **Matrix.....:** WATER
Date Sampled...: 06/06/06 11:20 **Date Received..:** 06/08/06
Prep Date.....: 06/10/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6160554 **Analysis Time..:** 05:57
Dilution Factor: 1

Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug/L	0.0059
alpha-BHC	ND	0.050	ug/L	0.0053
beta-BHC	ND	0.050	ug/L	0.0087
delta-BHC	ND	0.050	ug/L	0.0058
gamma-BHC (Lindane)	ND	0.050	ug/L	0.0069
alpha-Chlordane	ND	0.050	ug/L	0.0053
gamma-Chlordane	ND	0.050	ug/L	0.0091
4,4'-DDD	ND	0.050	ug/L	0.0077
4,4'-DDE	ND	0.050	ug/L	0.0075
4,4'-DDT	ND	0.050	ug/L	0.015
Diallate	ND	1.0	ug/L	0.19
Dieldrin	ND	0.050	ug/L	0.0063
Endosulfan I	ND	0.050	ug/L	0.0058
Endosulfan II	ND	0.050	ug/L	0.0070
Endosulfan sulfate	ND	0.050	ug/L	0.0057
Endrin	ND	0.050	ug/L	0.0079
Endrin aldehyde	ND	0.050	ug/L	0.0088
Endrin ketone	ND	0.050	ug/L	0.0070
Heptachlor	ND	0.050	ug/L	0.0077
Heptachlor epoxide	ND	0.050	ug/L	0.0075
Isodrin	ND	0.10	ug/L	0.0039
Kepone	ND	1.0	ug/L	0.35
Methoxychlor	ND	0.10	ug/L	0.013
Toxaphene	ND	5.0	ug/L	0.30

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	97	(20 - 144)
Tetrachloro-m-xylene	85	(25 - 132)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-D

GC Semivolatiles

Lot-Sample #...: D6F080262-004 **Work Order #...:** H61VN1AP **Matrix.....:** WATER
Date Sampled...: 06/06/06 12:55 **Date Received..:** 06/08/06
Prep Date.....: 06/10/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6160554 **Analysis Time..:** 06:14
Dilution Factor: 1

Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug/L	0.0059
alpha-BHC	ND	0.050	ug/L	0.0053
beta-BHC	ND	0.050	ug/L	0.0087
delta-BHC	ND	0.050	ug/L	0.0058
gamma-BHC (Lindane)	ND	0.050	ug/L	0.0069
alpha-Chlordane	ND	0.050	ug/L	0.0053
gamma-Chlordane	ND	0.050	ug/L	0.0091
4,4'-DDD	ND	0.050	ug/L	0.0077
4,4'-DDE	ND	0.050	ug/L	0.0075
4,4'-DDT	ND	0.050	ug/L	0.015
Diallate	ND	1.0	ug/L	0.19
Dieldrin	ND	0.050	ug/L	0.0063
Endosulfan I	ND	0.050	ug/L	0.0058
Endosulfan II	ND	0.050	ug/L	0.0070
Endosulfan sulfate	ND	0.050	ug/L	0.0057
Endrin	ND	0.050	ug/L	0.0079
Endrin aldehyde	ND	0.050	ug/L	0.0088
Endrin ketone	ND	0.050	ug/L	0.0070
Heptachlor	ND	0.050	ug/L	0.0077
Heptachlor epoxide	ND	0.050	ug/L	0.0075
Isodrin	ND	0.10	ug/L	0.0039
Kepone	ND	1.0	ug/L	0.35
Methoxychlor	ND	0.10	ug/L	0.013
Toxaphene	ND	5.0	ug/L	0.30

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	92	(20 - 144)
Tetrachloro-m-xylene	87	(25 - 132)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-DD

GC Semivolatiles

Lot-Sample #...: D6F080262-005 **Work Order #...:** H61W01AP **Matrix.....:** WATER
Date Sampled...: 06/06/06 13:05 **Date Received..:** 06/08/06
Prep Date.....: 06/10/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6160554 **Analysis Time..:** 06:30
Dilution Factor: 1

Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug/L	0.0059
alpha-BHC	ND	0.050	ug/L	0.0053
beta-BHC	ND	0.050	ug/L	0.0087
delta-BHC	ND	0.050	ug/L	0.0058
gamma-BHC (Lindane)	ND	0.050	ug/L	0.0069
alpha-Chlordane	ND	0.050	ug/L	0.0053
gamma-Chlordane	ND	0.050	ug/L	0.0091
4,4'-DDD	ND	0.050	ug/L	0.0077
4,4'-DDE	ND	0.050	ug/L	0.0075
4,4'-DDT	ND	0.050	ug/L	0.015
Diallate	ND	1.0	ug/L	0.19
Dieldrin	ND	0.050	ug/L	0.0063
Endosulfan I	ND	0.050	ug/L	0.0058
Endosulfan II	ND	0.050	ug/L	0.0070
Endosulfan sulfate	ND	0.050	ug/L	0.0057
Endrin	ND	0.050	ug/L	0.0079
Endrin aldehyde	ND	0.050	ug/L	0.0088
Endrin ketone	ND	0.050	ug/L	0.0070
Heptachlor	ND	0.050	ug/L	0.0077
Heptachlor epoxide	ND	0.050	ug/L	0.0075
Isodrin	ND	0.10	ug/L	0.0039
Kepone	ND	1.0	ug/L	0.35
Methoxychlor	ND	0.10	ug/L	0.013
Toxaphene	ND	5.0	ug/L	0.30

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	92	(20 - 144)
Tetrachloro-m-xylene	82	(25 - 132)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-A

GC Semivolatiles

Lot-Sample #...: D6F070234-001 **Work Order #...:** H6WJN1AE **Matrix.....:** WATER
Date Sampled...: 06/05/06 13:25 **Date Received..:** 06/07/06
Prep Date.....: 06/08/06 **Analysis Date..:** 06/13/06
Prep Batch #...: 6159175 **Analysis Time..:** 17:00
Dilution Factor: 1

Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	1.0	ug/L	0.12
Aroclor 1221	ND	1.0	ug/L	0.21
Aroclor 1232	ND	1.0	ug/L	0.17
Aroclor 1242	ND	1.0	ug/L	0.10
Aroclor 1248	ND	1.0	ug/L	0.092
Aroclor 1254	ND	1.0	ug/L	0.11
Aroclor 1260	ND	1.0	ug/L	0.16

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	38 *	(51 - 122)
Decachlorobiphenyl	52	(41 - 138)

NOTE(S):

* Surrogate recovery is outside stated control limits.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-B

GC Semivolatiles

Lot-Sample #...: D6F070234-002 **Work Order #...:** H6WKP1AQ **Matrix.....:** WATER
Date Sampled...: 06/06/06 08:45 **Date Received..:** 06/07/06
Prep Date.....: 06/08/06 **Analysis Date..:** 06/13/06
Prep Batch #...: 6159175 **Analysis Time..:** 17:17
Dilution Factor: 1

Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	1.0	ug/L	0.12
Aroclor 1221	ND	1.0	ug/L	0.21
Aroclor 1232	ND	1.0	ug/L	0.17
Aroclor 1242	ND	1.0	ug/L	0.10
Aroclor 1248	ND	1.0	ug/L	0.092
Aroclor 1254	ND	1.0	ug/L	0.11
Aroclor 1260	ND	1.0	ug/L	0.16

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	79	(51 - 122)
Decachlorobiphenyl	94	(41 - 138)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-U

GC Semivolatiles

Lot-Sample #...: D6F070234-003 **Work Order #...:** H6WKR1AQ **Matrix.....:** WATER
Date Sampled...: 06/05/06 15:15 **Date Received..:** 06/07/06
Prep Date.....: 06/08/06 **Analysis Date..:** 06/13/06
Prep Batch #...: 6159175 **Analysis Time..:** 17:34
Dilution Factor: 1

Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	1.0	ug/L	0.12
Aroclor 1221	ND	1.0	ug/L	0.21
Aroclor 1232	ND	1.0	ug/L	0.17
Aroclor 1242	ND	1.0	ug/L	0.10
Aroclor 1248	ND	1.0	ug/L	0.092
Aroclor 1254	ND	1.0	ug/L	0.11
Aroclor 1260	ND	1.0	ug/L	0.16

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	81	(51 - 122)
Decachlorobiphenyl	93	(41 - 138)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-T

GC Semivolatiles

Lot-Sample #...: D6F080262-001 **Work Order #...:** H61T61AE **Matrix.....:** WATER
Date Sampled...: 06/06/06 10:05 **Date Received..:** 06/08/06
Prep Date.....: 06/10/06 **Analysis Date..:** 06/15/06
Prep Batch #...: 6160555 **Analysis Time..:** 01:12
Dilution Factor: 1

Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	1.0	ug/L	0.12
Aroclor 1221	ND	1.0	ug/L	0.21
Aroclor 1232	ND	1.0	ug/L	0.17
Aroclor 1242	ND	1.0	ug/L	0.10
Aroclor 1248	ND	1.0	ug/L	0.092
Aroclor 1254	ND	1.0	ug/L	0.11
Aroclor 1260	ND	1.0	ug/L	0.16

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	78	(51 - 122)
Decachlorobiphenyl	99	(41 - 138)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-C

GC Semivolatiles

Lot-Sample #...: D6F080262-002 **Work Order #...:** H61VL1AQ **Matrix.....:** WATER
Date Sampled...: 06/06/06 15:55 **Date Received..:** 06/08/06
Prep Date.....: 06/10/06 **Analysis Date..:** 06/15/06
Prep Batch #...: 6160555 **Analysis Time..:** 01:29
Dilution Factor: 1

Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	1.0	ug/L	0.12
Aroclor 1221	ND	1.0	ug/L	0.21
Aroclor 1232	ND	1.0	ug/L	0.17
Aroclor 1242	ND	1.0	ug/L	0.10
Aroclor 1248	ND	1.0	ug/L	0.092
Aroclor 1254	ND	1.0	ug/L	0.11
Aroclor 1260	ND	1.0	ug/L	0.16

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	77	(51 - 122)
Decachlorobiphenyl	89	(41 - 138)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-S

GC Semivolatiles

Lot-Sample #...: D6F080262-003 **Work Order #...:** H61VM1AQ **Matrix.....:** WATER
Date Sampled...: 06/06/06 11:20 **Date Received..:** 06/08/06
Prep Date.....: 06/10/06 **Analysis Date..:** 06/15/06
Prep Batch #...: 6160555 **Analysis Time..:** 01:46
Dilution Factor: 1

Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	1.0	ug/L	0.12
Aroclor 1221	ND	1.0	ug/L	0.21
Aroclor 1232	ND	1.0	ug/L	0.17
Aroclor 1242	ND	1.0	ug/L	0.10
Aroclor 1248	ND	1.0	ug/L	0.092
Aroclor 1254	ND	1.0	ug/L	0.11
Aroclor 1260	ND	1.0	ug/L	0.16

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	79	(51 - 122)
Decachlorobiphenyl	97	(41 - 138)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-D

GC Semivolatiles

Lot-Sample #...: D6F080262-004 **Work Order #...:** H61VN1AQ **Matrix.....:** WATER
Date Sampled...: 06/06/06 12:55 **Date Received..:** 06/08/06
Prep Date.....: 06/10/06 **Analysis Date..:** 06/15/06
Prep Batch #...: 6160555 **Analysis Time..:** 02:02
Dilution Factor: 1

Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	1.0	ug/L	0.12
Aroclor 1221	ND	1.0	ug/L	0.21
Aroclor 1232	ND	1.0	ug/L	0.17
Aroclor 1242	ND	1.0	ug/L	0.10
Aroclor 1248	ND	1.0	ug/L	0.092
Aroclor 1254	ND	1.0	ug/L	0.11
Aroclor 1260	ND	1.0	ug/L	0.16

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	78	(51 - 122)
Decachlorobiphenyl	96	(41 - 138)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-DD

GC Semivolatiles

Lot-Sample #...: D6F080262-005 **Work Order #...:** H61W01AQ **Matrix.....:** WATER
Date Sampled...: 06/06/06 13:05 **Date Received..:** 06/08/06
Prep Date.....: 06/10/06 **Analysis Date..:** 06/15/06
Prep Batch #...: 6160555 **Analysis Time..:** 02:52
Dilution Factor: 1

Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	1.0	ug/L	0.12
Aroclor 1221	ND	1.0	ug/L	0.21
Aroclor 1232	ND	1.0	ug/L	0.17
Aroclor 1242	ND	1.0	ug/L	0.10
Aroclor 1248	ND	1.0	ug/L	0.092
Aroclor 1254	ND	1.0	ug/L	0.11
Aroclor 1260	ND	1.0	ug/L	0.16

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	77	(51 - 122)
Decachlorobiphenyl	99	(41 - 138)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-A

GC Semivolatiles

Lot-Sample #...: D6F070234-001 **Work Order #...:** H6WJN1AF **Matrix.....:** WATER
Date Sampled...: 06/05/06 13:25 **Date Received..:** 06/07/06
Prep Date.....: 06/09/06 **Analysis Date..:** 06/15/06
Prep Batch #...: 6160093 **Analysis Time..:** 02:45
Dilution Factor: 1

Method.....: SW846 8151A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-D	ND	4.0	ug/L	0.74
Dinoseb	ND	0.60	ug/L	0.24
2,4,5-TP (Silvex)	ND	1.0	ug/L	0.11
2,4,5-T	ND	1.0	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
DCAA	86	(46 - 152)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-B

GC Semivolatiles

Lot-Sample #...: D6F070234-002 **Work Order #...:** H6WKP1AR **Matrix.....:** WATER
Date Sampled...: 06/06/06 08:45 **Date Received..:** 06/07/06
Prep Date.....: 06/09/06 **Analysis Date..:** 06/15/06
Prep Batch #...: 6160093 **Analysis Time..:** 03:26
Dilution Factor: 1

Method.....: SW846 8151A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-D	ND	4.0	ug/L	0.74
Dinoseb	ND	0.60	ug/L	0.24
2,4,5-TP (Silvex)	ND	1.0	ug/L	0.11
2,4,5-T	ND	1.0	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
DCAA	86	(46 - 152)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-U

GC Semivolatiles

Lot-Sample #...: D6F070234-003 **Work Order #...:** H6WKR1AR **Matrix.....:** WATER
Date Sampled...: 06/05/06 15:15 **Date Received..:** 06/07/06
Prep Date.....: 06/09/06 **Analysis Date..:** 06/15/06
Prep Batch #...: 6160093 **Analysis Time..:** 04:06
Dilution Factor: 1

Method.....: SW846 8151A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-D	ND	4.0	ug/L	0.74
Dinoseb	ND	0.60	ug/L	0.24
2,4,5-TP (Silvex)	ND	1.0	ug/L	0.11
2,4,5-T	ND	1.0	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
DCAA	82	(46 - 152)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-T

GC Semivolatiles

Lot-Sample #...: D6F080262-001 **Work Order #...:** H61T61AF **Matrix.....:** WATER
Date Sampled...: 06/06/06 10:05 **Date Received..:** 06/08/06
Prep Date.....: 06/09/06 **Analysis Date..:** 06/15/06
Prep Batch #...: 6160093 **Analysis Time..:** 10:10
Dilution Factor: 1

Method.....: SW846 8151A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-D	ND	4.0	ug/L	0.74
Dinoseb	ND	0.60	ug/L	0.24
2,4,5-TP (Silvex)	ND	1.0	ug/L	0.11
2,4,5-T	ND	1.0	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
DCAA	92	(46 - 152)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-C

GC Semivolatiles

Lot-Sample #...: D6F080262-002 **Work Order #...:** H61VL1AR **Matrix.....:** WATER
Date Sampled...: 06/06/06 15:55 **Date Received..:** 06/08/06
Prep Date.....: 06/09/06 **Analysis Date..:** 06/15/06
Prep Batch #...: 6160093 **Analysis Time..:** 10:51
Dilution Factor: 1

Method.....: SW846 8151A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-D	ND	4.0	ug/L	0.74
Dinoseb	ND	0.60	ug/L	0.24
2,4,5-TP (Silvex)	ND	1.0	ug/L	0.11
2,4,5-T	ND	1.0	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
DCAA	104	(46 - 152)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-S

GC Semivolatiles

Lot-Sample #...: D6F080262-003 **Work Order #...:** H61VM1AR **Matrix.....:** WATER
Date Sampled...: 06/06/06 11:20 **Date Received..:** 06/08/06
Prep Date.....: 06/09/06 **Analysis Date..:** 06/15/06
Prep Batch #...: 6160093 **Analysis Time..:** 11:34
Dilution Factor: 1

Method.....: SW846 8151A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-D	ND	4.0	ug/L	0.74
Dinoseb	ND	0.60	ug/L	0.24
2,4,5-TP (Silvex)	ND	1.0	ug/L	0.11
2,4,5-T	ND	1.0	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
DCAA	86	(46 - 152)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-D

GC Semivolatiles

Lot-Sample #...: D6F080262-004 **Work Order #...:** H61VN1AR **Matrix.....:** WATER
Date Sampled...: 06/06/06 12:55 **Date Received..:** 06/08/06
Prep Date.....: 06/09/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6160093 **Analysis Time..:** 22:41
Dilution Factor: 1

Method.....: SW846 8151A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-D	ND	4.0	ug/L	0.74
Dinoseb	ND	0.60	ug/L	0.24
2,4,5-TP (Silvex)	ND	1.0	ug/L	0.11
2,4,5-T	ND	1.0	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
DCAA	82	(46 - 152)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-DD

GC Semivolatiles

Lot-Sample #...: D6F080262-005 **Work Order #...:** H61W01AR **Matrix.....:** WATER
Date Sampled...: 06/06/06 13:05 **Date Received..:** 06/08/06
Prep Date.....: 06/09/06 **Analysis Date..:** 06/15/06
Prep Batch #...: 6160093 **Analysis Time..:** 13:01
Dilution Factor: 1
Method.....: SW846 8151A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-D	ND	4.0	ug/L	0.74
Dinoseb	ND	0.60	ug/L	0.24
2,4,5-TP (Silvex)	ND	1.0	ug/L	0.11
2,4,5-T	ND	1.0	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
DCAA	95	(46 - 152)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-A

Trace Level Organic Compounds

Lot-Sample #...: D6F070234-001 **Work Order #...:** H6WJN1CX **Matrix.....:** WATER
Date Sampled...: 06/05/06 13:25 **Date Received..:** 06/07/06
Prep Date.....: 06/15/06 **Analysis Date..:** 06/27/06
Prep Batch #...: 6166384 **Analysis Time..:** 11:57
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
Total HxCDD	ND	0.30	ng/L	SW846 8280A
Total HxCDF	ND	0.19	ng/L	SW846 8280A
Total PeCDD	ND	0.71	ng/L	SW846 8280A
Total PeCDF	ND	0.20	ng/L	SW846 8280A
2,3,7,8-TCDD	ND	0.12	ng/L	SW846 8280A
Total TCDD	ND	0.12	ng/L	SW846 8280A
Total TCDF	ND	0.38	ng/L	SW846 8280A

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	97	(25 - 150)
13C-2,3,7,8-TCDF	90	(25 - 150)
13C-1,2,3,6,7,8-HxCDD	104	(25 - 150)
13C-1,2,3,4,6,7,8-HpCDF	107	(25 - 150)
13C-OCDD	109	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	106	(25 - 150)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-B

Trace Level Organic Compounds

Lot-Sample #...: D6F070234-002 **Work Order #...:** H6WKP1CX **Matrix.....:** WATER
Date Sampled...: 06/06/06 08:45 **Date Received..:** 06/07/06
Prep Date.....: 06/15/06 **Analysis Date..:** 06/27/06
Prep Batch #...: 6166384 **Analysis Time..:** 12:46
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
Total HxCDD	ND	0.13	ng/L	SW846 8280A
Total HxCDF	ND	0.20	ng/L	SW846 8280A
Total PeCDD	ND	0.64	ng/L	SW846 8280A
Total PeCDF	ND	0.27	ng/L	SW846 8280A
2,3,7,8-TCDD	ND	0.16	ng/L	SW846 8280A
Total TCDD	ND	0.16	ng/L	SW846 8280A
Total TCDF	ND	0.56	ng/L	SW846 8280A

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	84	(25 - 150)
13C-2,3,7,8-TCDF	82	(25 - 150)
13C-1,2,3,6,7,8-HxCDD	94	(25 - 150)
13C-1,2,3,4,6,7,8-HpCDF	97	(25 - 150)
13C-OCDD	97	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	91	(25 - 150)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-U

Trace Level Organic Compounds

Lot-Sample #...: D6F070234-003 **Work Order #...:** H6WKR1CX **Matrix.....:** WATER
Date Sampled...: 06/05/06 15:15 **Date Received..:** 06/07/06
Prep Date.....: 06/15/06 **Analysis Date..:** 06/27/06
Prep Batch #...: 6166384 **Analysis Time..:** 13:35
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
Total HxCDD	ND	0.30	ng/L	SW846 8280A
Total HxCDF	ND	0.19	ng/L	SW846 8280A
Total PeCDD	ND	0.69	ng/L	SW846 8280A
Total PeCDF	ND	0.20	ng/L	SW846 8280A
2,3,7,8-TCDD	ND	0.12	ng/L	SW846 8280A
Total TCDD	ND	0.12	ng/L	SW846 8280A
Total TCDF	ND	0.69	ng/L	SW846 8280A

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	77	(25 - 150)
13C-2,3,7,8-TCDF	74	(25 - 150)
13C-1,2,3,6,7,8-HxCDD	84	(25 - 150)
13C-1,2,3,4,6,7,8-HpCDF	86	(25 - 150)
13C-OCDD	84	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	84	(25 - 150)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-T

Trace Level Organic Compounds

Lot-Sample #...: D6F080262-001 **Work Order #...:** H61T61AN **Matrix.....:** WATER
Date Sampled...: 06/06/06 10:05 **Date Received..:** 06/08/06
Prep Date.....: 06/15/06 **Analysis Date..:** 06/26/06
Prep Batch #...: 6166386 **Analysis Time..:** 21:16
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
Total HxCDD	ND	0.15	ng/L	SW846 8280A
Total HxCDF	ND	0.14	ng/L	SW846 8280A
Total PeCDD	ND	0.49	ng/L	SW846 8280A
Total PeCDF	ND	0.18	ng/L	SW846 8280A
2,3,7,8-TCDD	ND	0.088	ng/L	SW846 8280A
Total TCDD	ND	0.088	ng/L	SW846 8280A
Total TCDF	ND	0.14	ng/L	SW846 8280A

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	88	(25 - 150)
13C-2,3,7,8-TCDF	84	(25 - 150)
13C-1,2,3,6,7,8-HxCDD	101	(25 - 150)
13C-1,2,3,4,6,7,8-HpCDF	96	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	105	(25 - 150)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-C

Trace Level Organic Compounds

Lot-Sample #...: D6F080262-002 **Work Order #...:** H61VL1A1 **Matrix.....:** WATER
Date Sampled...: 06/06/06 15:55 **Date Received..:** 06/08/06
Prep Date.....: 06/15/06 **Analysis Date..:** 06/26/06
Prep Batch #...: 6166386 **Analysis Time..:** 22:05
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
Total HxCDD	ND	0.20	ng/L	SW846 8280A
Total HxCDF	ND	0.17	ng/L	SW846 8280A
Total PeCDD	ND	0.74	ng/L	SW846 8280A
Total PeCDF	ND	0.25	ng/L	SW846 8280A
2,3,7,8-TCDD	ND	0.12	ng/L	SW846 8280A
Total TCDD	ND	0.12	ng/L	SW846 8280A
Total TCDF	ND	0.19	ng/L	SW846 8280A

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	64	(25 - 150)
13C-2,3,7,8-TCDF	64	(25 - 150)
13C-1,2,3,6,7,8-HxCDD	81	(25 - 150)
13C-1,2,3,4,6,7,8-HpCDF	81	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	78	(25 - 150)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-S

Trace Level Organic Compounds

Lot-Sample #...: D6F080262-003 **Work Order #...:** H61VM1A1 **Matrix.....:** WATER
Date Sampled...: 06/06/06 11:20 **Date Received..:** 06/08/06
Prep Date.....: 06/15/06 **Analysis Date..:** 06/26/06
Prep Batch #...: 6166386 **Analysis Time..:** 22:54
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
Total HxCDD	ND	0.24	ng/L	SW846 8280A
Total HxCDF	ND	0.18	ng/L	SW846 8280A
Total PeCDD	ND	0.69	ng/L	SW846 8280A
Total PeCDF	ND	0.28	ng/L	SW846 8280A
2,3,7,8-TCDD	ND	0.12	ng/L	SW846 8280A
Total TCDD	ND	0.12	ng/L	SW846 8280A
Total TCDF	ND	0.53	ng/L	SW846 8280A

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	73	(25 - 150)
13C-2,3,7,8-TCDF	70	(25 - 150)
13C-1,2,3,6,7,8-HxCDD	83	(25 - 150)
13C-1,2,3,4,6,7,8-HpCDF	81	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	80	(25 - 150)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-D

Trace Level Organic Compounds

Lot-Sample #...: D6F080262-004 **Work Order #...:** H61VN1A1 **Matrix.....:** WATER
Date Sampled...: 06/06/06 12:55 **Date Received..:** 06/08/06
Prep Date.....: 06/15/06 **Analysis Date..:** 06/26/06
Prep Batch #...: 6166386 **Analysis Time..:** 23:43
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
Total HxCDD	ND	0.17	ng/L	SW846 8280A
Total HxCDF	ND	0.15	ng/L	SW846 8280A
Total PeCDD	ND	0.28	ng/L	SW846 8280A
Total PeCDF	ND	0.17	ng/L	SW846 8280A
2,3,7,8-TCDD	ND	0.10	ng/L	SW846 8280A
Total TCDD	ND	0.10	ng/L	SW846 8280A
Total TCDF	ND	0.42	ng/L	SW846 8280A

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	93	(25 - 150)
13C-2,3,7,8-TCDF	90	(25 - 150)
13C-1,2,3,6,7,8-HxCDD	105	(25 - 150)
13C-1,2,3,4,6,7,8-HpCDF	98	(25 - 150)
13C-OCDD	109	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	109	(25 - 150)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-DD

Trace Level Organic Compounds

Lot-Sample #...: D6F080262-005 **Work Order #...:** H61W01A1 **Matrix.....:** WATER
Date Sampled...: 06/06/06 13:05 **Date Received..:** 06/08/06
Prep Date.....: 06/15/06 **Analysis Date..:** 06/27/06
Prep Batch #...: 6166386 **Analysis Time..:** 02:09
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
Total HxCDD	ND	0.23	ng/L	SW846 8280A
Total HxCDF	ND	0.20	ng/L	SW846 8280A
Total PeCDD	ND	0.59	ng/L	SW846 8280A
Total PeCDF	ND	0.18	ng/L	SW846 8280A
2,3,7,8-TCDD	ND	0.12	ng/L	SW846 8280A
Total TCDD	ND	0.12	ng/L	SW846 8280A
Total TCDF	ND	0.55	ng/L	SW846 8280A

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	75	(25 - 150)
13C-2,3,7,8-TCDF	72	(25 - 150)
13C-1,2,3,6,7,8-HxCDD	85	(25 - 150)
13C-1,2,3,4,6,7,8-HpCDF	82	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	84	(25 - 150)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-A

HPLC

Lot-Sample #...: D6F070234-001 **Work Order #...:** H6WJN1CV **Matrix.....:** WATER
Date Sampled...: 06/05/06 13:25 **Date Received..:** 06/07/06
Prep Date.....: 06/08/06 **Analysis Date..:** 06/10/06
Prep Batch #...: 6159389 **Analysis Time..:** 08:57
Dilution Factor: 10

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**2.1**	**0.10**	**ug/L**	**0.026**

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-B

HPLC

Lot-Sample #...: D6F070234-002 **Work Order #...:** H6WKP1CV **Matrix.....:** WATER
Date Sampled...: 06/06/06 08:45 **Date Received..:** 06/07/06
Prep Date.....: 06/08/06 **Analysis Date..:** 06/10/06
Prep Batch #...: 6159389 **Analysis Time..:** 09:21
Dilution Factor: 10

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**2.5**	**0.10**	**ug/L**	**0.026**

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-U

HPLC

Lot-Sample #...: D6F070234-003 **Work Order #...:** H6WKR1CV **Matrix.....:** WATER
Date Sampled...: 06/05/06 15:15 **Date Received..:** 06/07/06
Prep Date.....: 06/08/06 **Analysis Date..:** 06/10/06
Prep Batch #...: 6159389 **Analysis Time..:** 09:45
Dilution Factor: 10

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**2.5**	**0.10**	**ug/L**	**0.026**

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-T

HPLC

Lot-Sample #...: D6F080262-001 **Work Order #...:** H61T61CW **Matrix.....:** WATER
Date Sampled...: 06/06/06 10:05 **Date Received..:** 06/08/06
Prep Date.....: 06/09/06 **Analysis Date..:** 06/15/06
Prep Batch #...: 6160357 **Analysis Time..:** 21:58
Dilution Factor: 10

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**2.3**	**0.10**	**ug/L**	**0.026**

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-C

HPLC

Lot-Sample #...: D6F080262-002 **Work Order #...:** H61VL1CW **Matrix.....:** WATER
Date Sampled...: 06/06/06 15:55 **Date Received..:** 06/08/06
Prep Date.....: 06/09/06 **Analysis Date..:** 06/16/06
Prep Batch #...: 6160357 **Analysis Time..:** 14:40
Dilution Factor: 10
Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**0.26**	**0.10**	**ug/L**	**0.026**

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-S

HPLC

Lot-Sample #...:	D6F080262-003	**Work Order #...:**	H61VM1CW	**Matrix.....:**	WATER
Date Sampled...:	06/06/06 11:20	**Date Received..:**	06/08/06		
Prep Date.....:	06/09/06	**Analysis Date..:**	06/15/06		
Prep Batch #...:	6160357	**Analysis Time..:**	22:22		
Dilution Factor:	10				
		Method.....:	SW846 6860		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**2.6**	**0.10**	**ug/L**	**0.026**

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-D

HPLC

Lot-Sample #...: D6F080262-004 **Work Order #...:** H61VN1CW **Matrix.....:** WATER
Date Sampled...: 06/06/06 12:55 **Date Received..:** 06/08/06
Prep Date.....: 06/09/06 **Analysis Date..:** 06/15/06
Prep Batch #...: 6160357 **Analysis Time..:** 22:47
Dilution Factor: 10

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**0.25**	**0.10**	**ug/L**	**0.026**

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-DD

HPLC

Lot-Sample #...: D6F080262-005 **Work Order #...:** H61W01CV **Matrix.....:** WATER
Date Sampled...: 06/06/06 13:05 **Date Received..:** 06/08/06
Prep Date.....: 06/09/06 **Analysis Date..:** 06/15/06
Prep Batch #...: 6160357 **Analysis Time..:** 23:59
Dilution Factor: 10
Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**0.26**	**0.10**	**ug/L**	**0.026**

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-A

HPLC

Lot-Sample #...: D6F070234-001 **Work Order #...:** H6WJN1AG **Matrix.....:** WATER
Date Sampled...: 06/05/06 13:25 **Date Received..:** 06/07/06
Prep Date.....: 06/09/06 **Analysis Date..:** 06/13/06
Prep Batch #...: 6160539 **Analysis Time..:** 13:17
Dilution Factor: 1

Method.....: SW846 8310

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	1.0	ug/L	0.043
Acenaphthylene	ND	1.0	ug/L	0.043
Anthracene	ND	0.20	ug/L	0.061
Benzo(a)anthracene	ND	0.20	ug/L	0.032
Benzo(b)fluoranthene	ND	0.10	ug/L	0.053
Benzo(k)fluoranthene	ND	0.10	ug/L	0.023
Benzo(ghi)perylene	ND	0.20	ug/L	0.020
Benzo(a)pyrene	ND	0.10	ug/L	0.053
Chrysene	ND	0.20	ug/L	0.028
Dibenzo(a,h)anthracene	ND	0.20	ug/L	0.055
Fluoranthene	ND	0.20	ug/L	0.081
Fluorene	ND	0.20	ug/L	0.099
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	0.047
2-Methylnaphthalene	ND	1.0	ug/L	0.073
1-Methylnaphthalene	ND	1.0	ug/L	0.052
Naphthalene	**0.11 J,COL**	**1.0**	**ug/L**	**0.056**
Phenanthrene	ND	0.20	ug/L	0.095
Pyrene	ND	0.20	ug/L	0.043

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	77	(67 - 107)

NOTE(S):

J Estimated result. Result is less than RL.

COL More than 40% RPD between primary and confirmation detector results. The lower of the two results is reported.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-B

HPLC

Lot-Sample #...: D6F070234-002 **Work Order #...:** H6WKP1AT **Matrix.....:** WATER
Date Sampled...: 06/06/06 08:45 **Date Received..:** 06/07/06
Prep Date.....: 06/09/06 **Analysis Date..:** 06/13/06
Prep Batch #...: 6160539 **Analysis Time..:** 13:48
Dilution Factor: 1

Method.....: SW846 8310

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	1.0	ug/L	0.043
Acenaphthylene	ND	1.0	ug/L	0.043
Anthracene	ND	0.20	ug/L	0.061
Benzo(a)anthracene	ND	0.20	ug/L	0.032
Benzo(b)fluoranthene	ND	0.10	ug/L	0.053
Benzo(k)fluoranthene	ND	0.10	ug/L	0.023
Benzo(ghi)perylene	ND	0.20	ug/L	0.020
Benzo(a)pyrene	ND	0.10	ug/L	0.053
Chrysene	ND	0.20	ug/L	0.028
Dibenzo(a,h)anthracene	ND	0.20	ug/L	0.055
Fluoranthene	ND	0.20	ug/L	0.081
Fluorene	ND	0.20	ug/L	0.099
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	0.047
2-Methylnaphthalene	ND	1.0	ug/L	0.073
1-Methylnaphthalene	ND	1.0	ug/L	0.052
Naphthalene	ND	1.0	ug/L	0.056
Phenanthrene	ND	0.20	ug/L	0.095
Pyrene	ND	0.20	ug/L	0.043

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	78	(67 - 107)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-U

HPLC

Lot-Sample #...: D6F070234-003 **Work Order #...:** H6WKR1AT **Matrix.....:** WATER
Date Sampled...: 06/05/06 15:15 **Date Received..:** 06/07/06
Prep Date.....: 06/09/06 **Analysis Date..:** 06/13/06
Prep Batch #...: 6160539 **Analysis Time..:** 14:18
Dilution Factor: 1

Method.....: SW846 8310

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	1.0	ug/L	0.043
Acenaphthylene	ND	1.0	ug/L	0.043
Anthracene	ND	0.20	ug/L	0.061
Benzo(a)anthracene	ND	0.20	ug/L	0.032
Benzo(b)fluoranthene	ND	0.10	ug/L	0.053
Benzo(k)fluoranthene	ND	0.10	ug/L	0.023
Benzo(ghi)perylene	ND	0.20	ug/L	0.020
Benzo(a)pyrene	ND	0.10	ug/L	0.053
Chrysene	ND	0.20	ug/L	0.028
Dibenzo(a,h)anthracene	ND	0.20	ug/L	0.055
Fluoranthene	ND	0.20	ug/L	0.081
Fluorene	ND	0.20	ug/L	0.099
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	0.047
2-Methylnaphthalene	ND	1.0	ug/L	0.073
1-Methylnaphthalene	ND	1.0	ug/L	0.052
Naphthalene	ND	1.0	ug/L	0.056
Phenanthrene	ND	0.20	ug/L	0.095
Pyrene	ND	0.20	ug/L	0.043

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	83	(67 - 107)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-T

HPLC

Lot-Sample #...: D6F080262-001 **Work Order #...:** H61T61AG **Matrix.....:** WATER
Date Sampled...: 06/06/06 10:05 **Date Received..:** 06/08/06
Prep Date.....: 06/12/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6163113 **Analysis Time..:** 17:48
Dilution Factor: 1

Method.....: SW846 8310

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	1.0	ug/L	0.043
Acenaphthylene	ND	1.0	ug/L	0.043
Anthracene	ND	0.20	ug/L	0.061
Benzo(a)anthracene	ND	0.20	ug/L	0.032
Benzo(b)fluoranthene	ND	0.10	ug/L	0.053
Benzo(k)fluoranthene	ND	0.10	ug/L	0.023
Benzo(ghi)perylene	ND	0.20	ug/L	0.020
Benzo(a)pyrene	ND	0.10	ug/L	0.053
Chrysene	ND	0.20	ug/L	0.028
Dibenzo(a,h)anthracene	ND	0.20	ug/L	0.055
Fluoranthene	ND	0.20	ug/L	0.081
Fluorene	ND	0.20	ug/L	0.099
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	0.047
2-Methylnaphthalene	ND	1.0	ug/L	0.073
1-Methylnaphthalene	ND	1.0	ug/L	0.052
Naphthalene	ND	1.0	ug/L	0.056
Phenanthrene	ND	0.20	ug/L	0.095
Pyrene	ND	0.20	ug/L	0.043

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	88	(67 - 107)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-C

HPLC

Lot-Sample #...: D6F080262-002 **Work Order #...:** H61VL1AT **Matrix.....:** WATER
Date Sampled...: 06/06/06 15:55 **Date Received..:** 06/08/06
Prep Date.....: 06/12/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6163113 **Analysis Time..:** 18:19
Dilution Factor: 1

Method.....: SW846 8310

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	1.0	ug/L	0.043
Acenaphthylene	ND	1.0	ug/L	0.043
Anthracene	ND	0.20	ug/L	0.061
Benzo(a)anthracene	ND	0.20	ug/L	0.032
Benzo(b)fluoranthene	ND	0.10	ug/L	0.053
Benzo(k)fluoranthene	ND	0.10	ug/L	0.023
Benzo(ghi)perylene	ND	0.20	ug/L	0.020
Benzo(a)pyrene	ND	0.10	ug/L	0.053
Chrysene	ND	0.20	ug/L	0.028
Dibenzo(a,h)anthracene	ND	0.20	ug/L	0.055
Fluoranthene	ND	0.20	ug/L	0.081
Fluorene	ND	0.20	ug/L	0.099
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	0.047
2-Methylnaphthalene	ND	1.0	ug/L	0.073
1-Methylnaphthalene	ND	1.0	ug/L	0.052
Naphthalene	ND	1.0	ug/L	0.056
Phenanthrene	ND	0.20	ug/L	0.095
Pyrene	ND	0.20	ug/L	0.043

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	85	(67 - 107)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-S

HPLC

Lot-Sample #...: D6F080262-003 **Work Order #...:** H61VM1AT **Matrix.....:** WATER
Date Sampled...: 06/06/06 11:20 **Date Received..:** 06/08/06
Prep Date.....: 06/12/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6163113 **Analysis Time..:** 18:49
Dilution Factor: 1

Method.....: SW846 8310

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	1.0	ug/L	0.043
Acenaphthylene	ND	1.0	ug/L	0.043
Anthracene	ND	0.20	ug/L	0.061
Benzo(a)anthracene	ND	0.20	ug/L	0.032
Benzo(b)fluoranthene	ND	0.10	ug/L	0.053
Benzo(k)fluoranthene	ND	0.10	ug/L	0.023
Benzo(ghi)perylene	ND	0.20	ug/L	0.020
Benzo(a)pyrene	ND	0.10	ug/L	0.053
Chrysene	ND	0.20	ug/L	0.028
Dibenzo(a,h)anthracene	ND	0.20	ug/L	0.055
Fluoranthene	ND	0.20	ug/L	0.081
Fluorene	ND	0.20	ug/L	0.099
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	0.047
2-Methylnaphthalene	ND	1.0	ug/L	0.073
1-Methylnaphthalene	ND	1.0	ug/L	0.052
Naphthalene	ND	1.0	ug/L	0.056
Phenanthrene	ND	0.20	ug/L	0.095
Pyrene	ND	0.20	ug/L	0.043

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	87	(67 - 107)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-D

HPLC

Lot-Sample #...: D6F080262-004 **Work Order #...:** H61VN1AT **Matrix.....:** WATER
Date Sampled...: 06/06/06 12:55 **Date Received..:** 06/08/06
Prep Date.....: 06/12/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6163113 **Analysis Time..:** 19:20
Dilution Factor: 1

Method.....: SW846 8310

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	1.0	ug/L	0.043
Acenaphthylene	ND	1.0	ug/L	0.043
Anthracene	ND	0.20	ug/L	0.061
Benzo(a)anthracene	ND	0.20	ug/L	0.032
Benzo(b)fluoranthene	ND	0.10	ug/L	0.053
Benzo(k)fluoranthene	ND	0.10	ug/L	0.023
Benzo(ghi)perylene	ND	0.20	ug/L	0.020
Benzo(a)pyrene	ND	0.10	ug/L	0.053
Chrysene	ND	0.20	ug/L	0.028
Dibenzo(a,h)anthracene	ND	0.20	ug/L	0.055
Fluoranthene	ND	0.20	ug/L	0.081
Fluorene	ND	0.20	ug/L	0.099
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	0.047
2-Methylnaphthalene	ND	1.0	ug/L	0.073
1-Methylnaphthalene	ND	1.0	ug/L	0.052
Naphthalene	ND	1.0	ug/L	0.056
Phenanthrene	ND	0.20	ug/L	0.095
Pyrene	ND	0.20	ug/L	0.043

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	86	(67 - 107)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-DD

HPLC

Lot-Sample #...: D6F080262-005 **Work Order #...:** H61W01AT **Matrix.....:** WATER
Date Sampled...: 06/06/06 13:05 **Date Received..:** 06/08/06
Prep Date.....: 06/12/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6163113 **Analysis Time..:** 20:51
Dilution Factor: 1

Method.....: SW846 8310

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	1.0	ug/L	0.043
Acenaphthylene	ND	1.0	ug/L	0.043
Anthracene	ND	0.20	ug/L	0.061
Benzo(a)anthracene	ND	0.20	ug/L	0.032
Benzo(b)fluoranthene	ND	0.10	ug/L	0.053
Benzo(k)fluoranthene	ND	0.10	ug/L	0.023
Benzo(ghi)perylene	ND	0.20	ug/L	0.020
Benzo(a)pyrene	ND	0.10	ug/L	0.053
Chrysene	ND	0.20	ug/L	0.028
Dibenzo(a,h)anthracene	ND	0.20	ug/L	0.055
Fluoranthene	ND	0.20	ug/L	0.081
Fluorene	ND	0.20	ug/L	0.099
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	0.047
2-Methylnaphthalene	ND	1.0	ug/L	0.073
1-Methylnaphthalene	ND	1.0	ug/L	0.052
Naphthalene	ND	1.0	ug/L	0.056
Phenanthrene	ND	0.20	ug/L	0.095
Pyrene	ND	0.20	ug/L	0.043

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	89	(67 - 107)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-A

TOTAL Metals

Lot-Sample #...: D6F070234-001 **Matrix.....:** WATER
Date Sampled...: 06/05/06 13:25 **Date Received..:** 06/07/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6159310						
Mercury	ND	0.20	ug/L	SW846 7470A	06/08/06	H6WJN1CJ
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 0.027	
Prep Batch #...: 6159567						
Silver	ND	5.0	ug/L	SW846 6020	06/10-06/13/06	H6WJN1CF
		Dilution Factor: 1		Analysis Time..: 03:45	MDL.....: 0.16	
Arsenic	**5.8**	**5.0**	**ug/L**	**SW846 6020**	**06/10-06/13/06**	**H6WJN1CA**
		Dilution Factor: 1		Analysis Time..: 03:45	MDL.....: 0.21	
Cadmium	ND	1.0	ug/L	SW846 6020	06/10-06/13/06	H6WJN1CC
		Dilution Factor: 1		Analysis Time..: 03:45	MDL.....: 0.040	
Chromium	**1.9 B**	**2.0**	**ug/L**	**SW846 6020**	**06/10-06/13/06**	**H6WJN1CH**
		Dilution Factor: 1		Analysis Time..: 03:45	MDL.....: 0.50	
Lead	**0.22 B**	**1.0**	**ug/L**	**SW846 6020**	**06/10-06/13/06**	**H6WJN1CD**
		Dilution Factor: 1		Analysis Time..: 03:45	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	06/10-06/13/06	H6WJN1A9
		Dilution Factor: 1		Analysis Time..: 03:45	MDL.....: 0.070	
Selenium	**5.8**	**5.0**	**ug/L**	**SW846 6020**	**06/10-06/13/06**	**H6WJN1CE**
		Dilution Factor: 1		Analysis Time..: 03:45	MDL.....: 0.70	
Thallium	**0.039 B**	**1.0**	**ug/L**	**SW846 6020**	**06/10-06/13/06**	**H6WJN1CG**
		Dilution Factor: 1		Analysis Time..: 03:45	MDL.....: 0.020	
Prep Batch #...: 6159602						
Aluminum	ND	100	ug/L	SW846 6010B	06/10-06/12/06	H6WJN1AN
		Dilution Factor: 1		Analysis Time..: 21:56	MDL.....: 18	
Barium	**33**	**10**	**ug/L**	**SW846 6010B**	**06/10-06/12/06**	**H6WJN1AP**
		Dilution Factor: 1		Analysis Time..: 21:56	MDL.....: 1.0	
Beryllium	ND	5.0	ug/L	SW846 6010B	06/10-06/12/06	H6WJN1AQ
		Dilution Factor: 1		Analysis Time..: 21:56	MDL.....: 1.5	

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-A

TOTAL Metals

Lot-Sample #...: D6F070234-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Boron	**170 J**	**100**	**ug/L**	**SW846 6010B**	**06/10-06/12/06**	**H6WJN1A7**
		Dilution Factor: 1		Analysis Time..: 21:56	MDL.....: 5.9	
Calcium	**33000**	**200**	**ug/L**	**SW846 6010B**	**06/10-06/12/06**	**H6WJN1A0**
		Dilution Factor: 1		Analysis Time..: 21:56	MDL.....: 34	
Cobalt	ND	10	ug/L	SW846 6010B	06/10-06/12/06	H6WJN1A1
		Dilution Factor: 1		Analysis Time..: 21:56	MDL.....: 1.2	
Copper	ND	20	ug/L	SW846 6010B	06/10-06/12/06	H6WJN1AR
		Dilution Factor: 1		Analysis Time..: 21:56	MDL.....: 4.5	
Iron	**34 B**	**100**	**ug/L**	**SW846 6010B**	**06/10-06/12/06**	**H6WJN1AT**
		Dilution Factor: 1		Analysis Time..: 21:56	MDL.....: 22	
Potassium	**6200**	**3000**	**ug/L**	**SW846 6010B**	**06/10-06/12/06**	**H6WJN1A2**
		Dilution Factor: 1		Analysis Time..: 21:56	MDL.....: 240	
Magnesium	**31000**	**200**	**ug/L**	**SW846 6010B**	**06/10-06/12/06**	**H6WJN1A3**
		Dilution Factor: 1		Analysis Time..: 21:56	MDL.....: 43	
Manganese	ND	10	ug/L	SW846 6010B	06/10-06/12/06	H6WJN1AU
		Dilution Factor: 1		Analysis Time..: 21:56	MDL.....: 1.8	
Molybdenum	ND	20	ug/L	SW846 6010B	06/10-06/12/06	H6WJN1A4
		Dilution Factor: 1		Analysis Time..: 21:56	MDL.....: 5.3	
Sodium	**49000**	**5000**	**ug/L**	**SW846 6010B**	**06/10-06/12/06**	**H6WJN1A5**
		Dilution Factor: 1		Analysis Time..: 21:56	MDL.....: 92	
Nickel	ND	40	ug/L	SW846 6010B	06/10-06/12/06	H6WJN1AV
		Dilution Factor: 1		Analysis Time..: 21:56	MDL.....: 7.8	
Silica	**36000**	**1100**	**ug/L**	**SW846 6010B**	**06/10-06/12/06**	**H6WJN1A6**
		Dilution Factor: 1		Analysis Time..: 21:56	MDL.....: 130	
Tin	ND	100	ug/L	SW846 6010B	06/10-06/12/06	H6WJN1A8
		Dilution Factor: 1		Analysis Time..: 21:56	MDL.....: 5.8	

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-A

TOTAL Metals

Lot-Sample #...: D6F070234-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	**35**	**10**	**ug/L**	**SW846 6010B**	**06/10-06/12/06**	**H6WJN1AW**
		Dilution Factor: 1		Analysis Time..: 21:56	MDL.....: 2.5	
Zinc	**6.7 B**	**20**	**ug/L**	**SW846 6010B**	**06/10-06/12/06**	**H6WJN1AX**
		Dilution Factor: 1		Analysis Time..: 21:56	MDL.....: 4.5	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-B

TOTAL Metals

Lot-Sample #...: D6F070234-002 **Matrix.....:** WATER
Date Sampled...: 06/06/06 08:45 **Date Received..:** 06/07/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6159310						
Mercury	ND	0.20	ug/L	SW846 7470A	06/08/06	H6WKP1CJ
		Dilution Factor: 1		Analysis Time..: 19:12	MDL.....: 0.027	
Prep Batch #...: 6159567						
Silver	ND	5.0	ug/L	SW846 6020	06/10-06/13/06	H6WKP1CF
		Dilution Factor: 1		Analysis Time..: 03:56	MDL.....: 0.16	
Arsenic	**4.9 B**	**5.0**	**ug/L**	**SW846 6020**	**06/10-06/13/06**	**H6WKP1CA**
		Dilution Factor: 1		Analysis Time..: 03:56	MDL.....: 0.21	
Cadmium	ND	1.0	ug/L	SW846 6020	06/10-06/13/06	H6WKP1CC
		Dilution Factor: 1		Analysis Time..: 03:56	MDL.....: 0.040	
Chromium	**1.8 B**	**2.0**	**ug/L**	**SW846 6020**	**06/10-06/13/06**	**H6WKP1CH**
		Dilution Factor: 1		Analysis Time..: 03:56	MDL.....: 0.50	
Lead	**0.28 B**	**1.0**	**ug/L**	**SW846 6020**	**06/10-06/13/06**	**H6WKP1CD**
		Dilution Factor: 1		Analysis Time..: 03:56	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	06/10-06/13/06	H6WKP1AL
		Dilution Factor: 1		Analysis Time..: 03:56	MDL.....: 0.070	
Selenium	**6.7**	**5.0**	**ug/L**	**SW846 6020**	**06/10-06/13/06**	**H6WKP1CE**
		Dilution Factor: 1		Analysis Time..: 03:56	MDL.....: 0.70	
Thallium	**0.038 B**	**1.0**	**ug/L**	**SW846 6020**	**06/10-06/13/06**	**H6WKP1CG**
		Dilution Factor: 1		Analysis Time..: 03:56	MDL.....: 0.020	
Prep Batch #...: 6159602						
Aluminum	ND	100	ug/L	SW846 6010B	06/10-06/12/06	H6WKP1A1
		Dilution Factor: 1		Analysis Time..: 22:20	MDL.....: 18	
Barium	**30**	**10**	**ug/L**	**SW846 6010B**	**06/10-06/12/06**	**H6WKP1A2**
		Dilution Factor: 1		Analysis Time..: 22:20	MDL.....: 1.0	
Beryllium	ND	5.0	ug/L	SW846 6010B	06/10-06/12/06	H6WKP1A3
		Dilution Factor: 1		Analysis Time..: 22:20	MDL.....: 1.5	

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-B

TOTAL Metals

Lot-Sample #...: D6F070234-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Boron	**190 J**	**100**	**ug/L**	**SW846 6010B**	**06/10-06/12/06**	**H6WKP1AJ**
		Dilution Factor: 1		Analysis Time..: 22:20	MDL.....: 5.9	
Calcium	**40000**	**200**	**ug/L**	**SW846 6010B**	**06/10-06/12/06**	**H6WKP1AA**
		Dilution Factor: 1		Analysis Time..: 22:20	MDL.....: 34	
Cobalt	ND	10	ug/L	SW846 6010B	06/10-06/12/06	H6WKP1AC
		Dilution Factor: 1		Analysis Time..: 22:20	MDL.....: 1.2	
Copper	ND	20	ug/L	SW846 6010B	06/10-06/12/06	H6WKP1A4
		Dilution Factor: 1		Analysis Time..: 22:20	MDL.....: 4.5	
Iron	ND	100	ug/L	SW846 6010B	06/10-06/12/06	H6WKP1A5
		Dilution Factor: 1		Analysis Time..: 22:20	MDL.....: 22	
Potassium	**7000**	**3000**	**ug/L**	**SW846 6010B**	**06/10-06/12/06**	**H6WKP1AD**
		Dilution Factor: 1		Analysis Time..: 22:20	MDL.....: 240	
Magnesium	**37000**	**200**	**ug/L**	**SW846 6010B**	**06/10-06/12/06**	**H6WKP1AE**
		Dilution Factor: 1		Analysis Time..: 22:20	MDL.....: 43	
Manganese	ND	10	ug/L	SW846 6010B	06/10-06/12/06	H6WKP1A6
		Dilution Factor: 1		Analysis Time..: 22:20	MDL.....: 1.8	
Molybdenum	ND	20	ug/L	SW846 6010B	06/10-06/12/06	H6WKP1AF
		Dilution Factor: 1		Analysis Time..: 22:20	MDL.....: 5.3	
Sodium	**57000**	**5000**	**ug/L**	**SW846 6010B**	**06/10-06/12/06**	**H6WKP1AG**
		Dilution Factor: 1		Analysis Time..: 22:20	MDL.....: 92	
Nickel	ND	40	ug/L	SW846 6010B	06/10-06/12/06	H6WKP1A7
		Dilution Factor: 1		Analysis Time..: 22:20	MDL.....: 7.8	
Silica	**37000**	**1100**	**ug/L**	**SW846 6010B**	**06/10-06/12/06**	**H6WKP1AH**
		Dilution Factor: 1		Analysis Time..: 22:20	MDL.....: 130	
Tin	ND	100	ug/L	SW846 6010B	06/10-06/12/06	H6WKP1AK
		Dilution Factor: 1		Analysis Time..: 22:20	MDL.....: 5.8	

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-B

TOTAL Metals

Lot-Sample #...: D6F070234-002 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	27	10	ug/L	SW846 6010B	06/10-06/12/06	H6WKP1A8
		Dilution Factor: 1		Analysis Time..: 22:20	MDL.....: 2.5	
Zinc	5.2 B	20	ug/L	SW846 6010B	06/10-06/12/06	H6WKP1A9
		Dilution Factor: 1		Analysis Time..: 22:20	MDL.....: 4.5	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-U

TOTAL Metals

Lot-Sample #...: D6F070234-003 **Matrix.....:** WATER
Date Sampled...: 06/05/06 15:15 **Date Received..:** 06/07/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6159310						
Mercury	ND	0.20	ug/L	SW846 7470A	06/08/06	H6WKR1CJ
		Dilution Factor: 1		Analysis Time..: 19:14	MDL.....: 0.027	
Prep Batch #...: 6159567						
Silver	ND	5.0	ug/L	SW846 6020	06/10-06/13/06	H6WKR1CF
		Dilution Factor: 1		Analysis Time..: 04:14	MDL.....: 0.16	
Arsenic	**5.4**	**5.0**	**ug/L**	**SW846 6020**	**06/10-06/13/06**	**H6WKR1CA**
		Dilution Factor: 1		Analysis Time..: 04:14	MDL.....: 0.21	
Cadmium	ND	1.0	ug/L	SW846 6020	06/10-06/13/06	H6WKR1CC
		Dilution Factor: 1		Analysis Time..: 04:14	MDL.....: 0.040	
Chromium	**3.7**	**2.0**	**ug/L**	**SW846 6020**	**06/10-06/13/06**	**H6WKR1CH**
		Dilution Factor: 1		Analysis Time..: 04:14	MDL.....: 0.50	
Lead	**0.18 B**	**1.0**	**ug/L**	**SW846 6020**	**06/10-06/13/06**	**H6WKR1CD**
		Dilution Factor: 1		Analysis Time..: 04:14	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	06/10-06/13/06	H6WKR1AL
		Dilution Factor: 1		Analysis Time..: 04:14	MDL.....: 0.070	
Selenium	**7.3**	**5.0**	**ug/L**	**SW846 6020**	**06/10-06/13/06**	**H6WKR1CE**
		Dilution Factor: 1		Analysis Time..: 04:14	MDL.....: 0.70	
Thallium	**0.035 B**	**1.0**	**ug/L**	**SW846 6020**	**06/10-06/13/06**	**H6WKR1CG**
		Dilution Factor: 1		Analysis Time..: 04:14	MDL.....: 0.020	
Prep Batch #...: 6159602						
Aluminum	**110**	**100**	**ug/L**	**SW846 6010B**	**06/10-06/12/06**	**H6WKR1A1**
		Dilution Factor: 1		Analysis Time..: 22:26	MDL.....: 18	
Barium	**41**	**10**	**ug/L**	**SW846 6010B**	**06/10-06/12/06**	**H6WKR1A2**
		Dilution Factor: 1		Analysis Time..: 22:26	MDL.....: 1.0	
Beryllium	ND	5.0	ug/L	SW846 6010B	06/10-06/12/06	H6WKR1A3
		Dilution Factor: 1		Analysis Time..: 22:26	MDL.....: 1.5	

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-U

TOTAL Metals

Lot-Sample #...: D6F070234-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Boron	**180 J**	**100**	**ug/L**	**SW846 6010B**	**06/10-06/12/06**	**H6WKR1AJ**
		Dilution Factor: 1		Analysis Time..: 22:26	MDL.....: 5.9	
Calcium	**46000**	**200**	**ug/L**	**SW846 6010B**	**06/10-06/12/06**	**H6WKR1AA**
		Dilution Factor: 1		Analysis Time..: 22:26	MDL.....: 34	
Cobalt	ND	10	ug/L	SW846 6010B	06/10-06/12/06	H6WKR1AC
		Dilution Factor: 1		Analysis Time..: 22:26	MDL.....: 1.2	
Copper	ND	20	ug/L	SW846 6010B	06/10-06/12/06	H6WKR1A4
		Dilution Factor: 1		Analysis Time..: 22:26	MDL.....: 4.5	
Iron	**190**	**100**	**ug/L**	**SW846 6010B**	**06/10-06/12/06**	**H6WKR1A5**
		Dilution Factor: 1		Analysis Time..: 22:26	MDL.....: 22	
Potassium	**6900**	**3000**	**ug/L**	**SW846 6010B**	**06/10-06/12/06**	**H6WKR1AD**
		Dilution Factor: 1		Analysis Time..: 22:26	MDL.....: 240	
Magnesium	**39000**	**200**	**ug/L**	**SW846 6010B**	**06/10-06/12/06**	**H6WKR1AE**
		Dilution Factor: 1		Analysis Time..: 22:26	MDL.....: 43	
Manganese	**11**	**10**	**ug/L**	**SW846 6010B**	**06/10-06/12/06**	**H6WKR1A6**
		Dilution Factor: 1		Analysis Time..: 22:26	MDL.....: 1.8	
Molybdenum	ND	20	ug/L	SW846 6010B	06/10-06/12/06	H6WKR1AF
		Dilution Factor: 1		Analysis Time..: 22:26	MDL.....: 5.3	
Sodium	**53000**	**5000**	**ug/L**	**SW846 6010B**	**06/10-06/12/06**	**H6WKR1AG**
		Dilution Factor: 1		Analysis Time..: 22:26	MDL.....: 92	
Nickel	ND	40	ug/L	SW846 6010B	06/10-06/12/06	H6WKR1A7
		Dilution Factor: 1		Analysis Time..: 22:26	MDL.....: 7.8	
Silica	**37000**	**1100**	**ug/L**	**SW846 6010B**	**06/10-06/12/06**	**H6WKR1AH**
		Dilution Factor: 1		Analysis Time..: 22:26	MDL.....: 130	
Tin	ND	100	ug/L	SW846 6010B	06/10-06/12/06	H6WKR1AK
		Dilution Factor: 1		Analysis Time..: 22:26	MDL.....: 5.8	

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-U

TOTAL Metals

Lot-Sample #...: D6F070234-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	**28**	**10**	**ug/L**	**SW846 6010B**	**06/10-06/12/06**	**H6WKR1A8**
		Dilution Factor: 1		Analysis Time..: 22:26	MDL.....: 2.5	
Zinc	**20**	**20**	**ug/L**	**SW846 6010B**	**06/10-06/12/06**	**H6WKR1A9**
		Dilution Factor: 1		Analysis Time..: 22:26	MDL.....: 4.5	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-T

TOTAL Metals

Lot-Sample #...: D6F080262-001 **Matrix.....:** WATER
Date Sampled...: 06/06/06 10:05 **Date Received..:** 06/08/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6170376						
Mercury	ND	0.20	ug/L	SW846 7470A	06/26/06	H61T61CK
		Dilution Factor: 1		Analysis Time..: 18:26	MDL.....: 0.027	
Prep Batch #...: 6173296						
Silver	**0.45 B**	**5.0**	**ug/L**	**SW846 6020**	**06/28/06**	**H61T61CG**
		Dilution Factor: 1		Analysis Time..: 20:12	MDL.....: 0.16	
Arsenic	**5.3**	**5.0**	**ug/L**	**SW846 6020**	**06/28/06**	**H61T61CC**
		Dilution Factor: 1		Analysis Time..: 20:12	MDL.....: 0.21	
Cadmium	ND	1.0	ug/L	SW846 6020	06/28/06	H61T61CD
		Dilution Factor: 1		Analysis Time..: 20:12	MDL.....: 0.040	
Chromium	**3.4 J**	**2.0**	**ug/L**	**SW846 6020**	**06/28/06**	**H61T61CJ**
		Dilution Factor: 1		Analysis Time..: 20:12	MDL.....: 0.50	
Lead	**0.24 B**	**1.0**	**ug/L**	**SW846 6020**	**06/28/06**	**H61T61CE**
		Dilution Factor: 1		Analysis Time..: 20:12	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	06/28/06	H61T61CA
		Dilution Factor: 1		Analysis Time..: 20:12	MDL.....: 0.070	
Selenium	**5.2**	**5.0**	**ug/L**	**SW846 6020**	**06/28/06**	**H61T61CF**
		Dilution Factor: 1		Analysis Time..: 20:12	MDL.....: 0.70	
Thallium	ND	1.0	ug/L	SW846 6020	06/28/06	H61T61CH
		Dilution Factor: 1		Analysis Time..: 20:12	MDL.....: 0.020	
Prep Batch #...: 6173338						
Aluminum	**130 J**	**100**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61T61AP**
		Dilution Factor: 1		Analysis Time..: 18:36	MDL.....: 18	
Barium	**35**	**10**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61T61AQ**
		Dilution Factor: 1		Analysis Time..: 18:36	MDL.....: 1.0	
Beryllium	ND	5.0	ug/L	SW846 6010B	06/28/06	H61T61AR
		Dilution Factor: 1		Analysis Time..: 18:36	MDL.....: 1.5	

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-T

TOTAL Metals

Lot-Sample #...: D6F080262-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Boron	**170**	**100**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61T61A8**
		Dilution Factor: 1		Analysis Time..: 18:36	MDL.....: 5.9	
Calcium	**41000 J**	**200**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61T61A1**
		Dilution Factor: 1		Analysis Time..: 18:36	MDL.....: 34	
Cobalt	ND	10	ug/L	SW846 6010B	06/28/06	H61T61A2
		Dilution Factor: 1		Analysis Time..: 18:36	MDL.....: 1.2	
Copper	ND	20	ug/L	SW846 6010B	06/28/06	H61T61AT
		Dilution Factor: 1		Analysis Time..: 18:36	MDL.....: 4.5	
Iron	**220**	**100**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61T61AU**
		Dilution Factor: 1		Analysis Time..: 18:36	MDL.....: 22	
Potassium	**6400**	**3000**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61T61A3**
		Dilution Factor: 1		Analysis Time..: 18:36	MDL.....: 240	
Magnesium	**36000**	**200**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61T61A4**
		Dilution Factor: 1		Analysis Time..: 18:36	MDL.....: 43	
Manganese	**7.2 B**	**10**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61T61AV**
		Dilution Factor: 1		Analysis Time..: 18:36	MDL.....: 1.8	
Molybdenum	**6.0 B**	**20**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61T61A5**
		Dilution Factor: 1		Analysis Time..: 18:36	MDL.....: 5.3	
Sodium	**49000 J**	**5000**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61T61A6**
		Dilution Factor: 1		Analysis Time..: 18:36	MDL.....: 92	
Nickel	ND	40	ug/L	SW846 6010B	06/28/06	H61T61AW
		Dilution Factor: 1		Analysis Time..: 18:36	MDL.....: 7.8	
Silica	**35000**	**1100**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61T61A7**
		Dilution Factor: 1		Analysis Time..: 18:36	MDL.....: 130	
Tin	ND	100	ug/L	SW846 6010B	06/28/06	H61T61A9
		Dilution Factor: 1		Analysis Time..: 18:36	MDL.....: 5.8	

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-T

TOTAL Metals

Lot-Sample #...: D6F080262-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	**30**	**10**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61T61AX**
		Dilution Factor: 1		Analysis Time..: 18:36	MDL.....: 2.5	
Zinc	**23 J**	**20**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61T61A0**
		Dilution Factor: 1		Analysis Time..: 18:36	MDL.....: 4.5	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-C

TOTAL Metals

Lot-Sample #...: D6F080262-002 **Matrix.....:** WATER
Date Sampled...: 06/06/06 15:55 **Date Received..:** 06/08/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6170376						
Mercury	ND	0.20	ug/L	SW846 7470A	06/26/06	H61VL1CK
		Dilution Factor: 1		Analysis Time..: 18:27	MDL.....: 0.027	
Prep Batch #...: 6173296						
Silver	ND	5.0	ug/L	SW846 6020	06/28/06	H61VL1CG
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.16	
Arsenic	**4.9 B**	**5.0**	**ug/L**	**SW846 6020**	**06/28/06**	**H61VL1CC**
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.21	
Cadmium	ND	1.0	ug/L	SW846 6020	06/28/06	H61VL1CD
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.040	
Chromium	**1.5 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/28/06**	**H61VL1CJ**
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.50	
Lead	**0.26 B**	**1.0**	**ug/L**	**SW846 6020**	**06/28/06**	**H61VL1CE**
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	06/28/06	H61VL1CA
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.070	
Selenium	ND	5.0	ug/L	SW846 6020	06/28/06	H61VL1CF
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.70	
Thallium	ND	1.0	ug/L	SW846 6020	06/28/06	H61VL1CH
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.020	
Prep Batch #...: 6173338						
Aluminum	**35 B,J**	**100**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VL1A2**
		Dilution Factor: 1		Analysis Time..: 18:42	MDL.....: 18	
Barium	**62**	**10**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VL1A3**
		Dilution Factor: 1		Analysis Time..: 18:42	MDL.....: 1.0	
Beryllium	ND	5.0	ug/L	SW846 6010B	06/28/06	H61VL1A4
		Dilution Factor: 1		Analysis Time..: 18:42	MDL.....: 1.5	

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-C

TOTAL Metals

Lot-Sample #...: D6F080262-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Boron	**210**	**100**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VL1AK**
		Dilution Factor: 1		Analysis Time..: 18:42	MDL.....: 5.9	
Calcium	**31000 J**	**200**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VL1AC**
		Dilution Factor: 1		Analysis Time..: 18:42	MDL.....: 34	
Cobalt	ND	10	ug/L	SW846 6010B	06/28/06	H61VL1AD
		Dilution Factor: 1		Analysis Time..: 18:42	MDL.....: 1.2	
Copper	ND	20	ug/L	SW846 6010B	06/28/06	H61VL1A5
		Dilution Factor: 1		Analysis Time..: 18:42	MDL.....: 4.5	
Iron	**90 B**	**100**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VL1A6**
		Dilution Factor: 1		Analysis Time..: 18:42	MDL.....: 22	
Potassium	**6000**	**3000**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VL1AE**
		Dilution Factor: 1		Analysis Time..: 18:42	MDL.....: 240	
Magnesium	**30000**	**200**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VL1AF**
		Dilution Factor: 1		Analysis Time..: 18:42	MDL.....: 43	
Manganese	**5.8 B**	**10**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VL1A7**
		Dilution Factor: 1		Analysis Time..: 18:42	MDL.....: 1.8	
Molybdenum	ND	20	ug/L	SW846 6010B	06/28/06	H61VL1AG
		Dilution Factor: 1		Analysis Time..: 18:42	MDL.....: 5.3	
Sodium	**48000 J**	**5000**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VL1AH**
		Dilution Factor: 1		Analysis Time..: 18:42	MDL.....: 92	
Nickel	ND	40	ug/L	SW846 6010B	06/28/06	H61VL1A8
		Dilution Factor: 1		Analysis Time..: 18:42	MDL.....: 7.8	
Silica	**39000**	**1100**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VL1AJ**
		Dilution Factor: 1		Analysis Time..: 18:42	MDL.....: 130	
Tin	ND	100	ug/L	SW846 6010B	06/28/06	H61VL1AL
		Dilution Factor: 1		Analysis Time..: 18:42	MDL.....: 5.8	

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-C

TOTAL Metals

Lot-Sample #...: D6F080262-002 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	38	10	ug/L	SW846 6010B	06/28/06	H61VL1A9
		Dilution Factor: 1		Analysis Time..: 18:42	MDL.....: 2.5	
Zinc	59 J	20	ug/L	SW846 6010B	06/28/06	H61VL1AA
		Dilution Factor: 1		Analysis Time..: 18:42	MDL.....: 4.5	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-S

TOTAL Metals

Lot-Sample #...: D6F080262-003 **Matrix.....:** WATER
Date Sampled...: 06/06/06 11:20 **Date Received..:** 06/08/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6170376						
Mercury	ND	0.20	ug/L	SW846 7470A	06/26/06	H61VM1CK
		Dilution Factor: 1		Analysis Time..: 18:29	MDL.....: 0.027	
Prep Batch #...: 6173296						
Silver	ND	5.0	ug/L	SW846 6020	06/28/06	H61VM1CG
		Dilution Factor: 1		Analysis Time..: 20:19	MDL.....: 0.16	
Arsenic	**4.8 B**	**5.0**	**ug/L**	**SW846 6020**	**06/28/06**	**H61VM1CC**
		Dilution Factor: 1		Analysis Time..: 20:19	MDL.....: 0.21	
Cadmium	ND	1.0	ug/L	SW846 6020	06/28/06	H61VM1CD
		Dilution Factor: 1		Analysis Time..: 20:19	MDL.....: 0.040	
Chromium	**2.3 J**	**2.0**	**ug/L**	**SW846 6020**	**06/28/06**	**H61VM1CJ**
		Dilution Factor: 1		Analysis Time..: 20:19	MDL.....: 0.50	
Lead	**0.25 B**	**1.0**	**ug/L**	**SW846 6020**	**06/28/06**	**H61VM1CE**
		Dilution Factor: 1		Analysis Time..: 20:19	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	06/28/06	H61VM1CA
		Dilution Factor: 1		Analysis Time..: 20:19	MDL.....: 0.070	
Selenium	**4.9 B**	**5.0**	**ug/L**	**SW846 6020**	**06/28/06**	**H61VM1CF**
		Dilution Factor: 1		Analysis Time..: 20:19	MDL.....: 0.70	
Thallium	ND	1.0	ug/L	SW846 6020	06/28/06	H61VM1CH
		Dilution Factor: 1		Analysis Time..: 20:19	MDL.....: 0.020	
Prep Batch #...: 6173338						
Aluminum	**110 J**	**100**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VM1A2**
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 18	
Barium	**39**	**10**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VM1A3**
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 1.0	
Beryllium	ND	5.0	ug/L	SW846 6010B	06/28/06	H61VM1A4
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 1.5	

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-S

TOTAL Metals

Lot-Sample #...: D6F080262-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Boron	**170**	**100**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VM1AK**
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 5.9	
Calcium	**45000 J**	**200**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VM1AC**
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 34	
Cobalt	ND	10	ug/L	SW846 6010B	06/28/06	H61VM1AD
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 1.2	
Copper	ND	20	ug/L	SW846 6010B	06/28/06	H61VM1A5
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 4.5	
Iron	**94 B**	**100**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VM1A6**
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 22	
Potassium	**6700**	**3000**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VM1AE**
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 240	
Magnesium	**40000**	**200**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VM1AF**
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 43	
Manganese	**9.0 B**	**10**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VM1A7**
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 1.8	
Molybdenum	ND	20	ug/L	SW846 6010B	06/28/06	H61VM1AG
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 5.3	
Sodium	**50000 J**	**5000**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VM1AH**
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 92	
Nickel	ND	40	ug/L	SW846 6010B	06/28/06	H61VM1A8
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 7.8	
Silica	**37000**	**1100**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VM1AJ**
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 130	
Tin	ND	100	ug/L	SW846 6010B	06/28/06	H61VM1AL
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 5.8	

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-S

TOTAL Metals

Lot-Sample #...: D6F080262-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	**32**	**10**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VM1A9**
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 2.5	
Zinc	**20 J**	**20**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VM1AA**
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 4.5	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-D

TOTAL Metals

Lot-Sample #...: D6F080262-004 **Matrix.....:** WATER
Date Sampled...: 06/06/06 12:55 **Date Received..:** 06/08/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6170376						
Mercury	ND	0.20	ug/L	SW846 7470A	06/26/06	H61VN1CK
		Dilution Factor: 1		Analysis Time..: 18:31	MDL.....: 0.027	
Prep Batch #...: 6173296						
Silver	ND	5.0	ug/L	SW846 6020	06/28/06	H61VN1CG
		Dilution Factor: 1		Analysis Time..: 20:23	MDL.....: 0.16	
Arsenic	**4.6 B**	**5.0**	**ug/L**	**SW846 6020**	**06/28/06**	**H61VN1CC**
		Dilution Factor: 1		Analysis Time..: 20:23	MDL.....: 0.21	
Cadmium	ND	1.0	ug/L	SW846 6020	06/28/06	H61VN1CD
		Dilution Factor: 1		Analysis Time..: 20:23	MDL.....: 0.040	
Chromium	**1.2 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/28/06**	**H61VN1CJ**
		Dilution Factor: 1		Analysis Time..: 20:23	MDL.....: 0.50	
Lead	**0.36 B**	**1.0**	**ug/L**	**SW846 6020**	**06/28/06**	**H61VN1CE**
		Dilution Factor: 1		Analysis Time..: 20:23	MDL.....: 0.18	
Antimony	**0.24 B**	**2.0**	**ug/L**	**SW846 6020**	**06/28/06**	**H61VN1CA**
		Dilution Factor: 1		Analysis Time..: 20:23	MDL.....: 0.070	
Selenium	ND	5.0	ug/L	SW846 6020	06/28/06	H61VN1CF
		Dilution Factor: 1		Analysis Time..: 20:23	MDL.....: 0.70	
Thallium	ND	1.0	ug/L	SW846 6020	06/28/06	H61VN1CH
		Dilution Factor: 1		Analysis Time..: 20:23	MDL.....: 0.020	
Prep Batch #...: 6173338						
Aluminum	**25 B,J**	**100**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VN1A2**
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 18	
Barium	**93**	**10**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VN1A3**
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 1.0	
Beryllium	ND	5.0	ug/L	SW846 6010B	06/28/06	H61VN1A4
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 1.5	

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-D

TOTAL Metals

Lot-Sample #...: D6F080262-004 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Boron	**200**	**100**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VN1AK**
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 5.9	
Calcium	**34000 J**	**200**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VN1AC**
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 34	
Cobalt	ND	10	ug/L	SW846 6010B	06/28/06	H61VN1AD
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 1.2	
Copper	**8.2 B**	**20**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VN1A5**
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 4.5	
Iron	**200**	**100**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VN1A6**
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 22	
Potassium	**6300**	**3000**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VN1AE**
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 240	
Magnesium	**32000**	**200**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VN1AF**
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 43	
Manganese	**4.3 B**	**10**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VN1A7**
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 1.8	
Molybdenum	ND	20	ug/L	SW846 6010B	06/28/06	H61VN1AG
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 5.3	
Sodium	**49000 J**	**5000**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VN1AH**
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 92	
Nickel	ND	40	ug/L	SW846 6010B	06/28/06	H61VN1A8
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 7.8	
Silica	**41000**	**1100**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VN1AJ**
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 130	
Tin	ND	100	ug/L	SW846 6010B	06/28/06	H61VN1AL
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 5.8	

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-D

TOTAL Metals

Lot-Sample #...: D6F080262-004 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	**39**	**10**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VN1A9**
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 2.5	
Zinc	**16 B,J**	**20**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61VN1AA**
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 4.5	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-DD

TOTAL Metals

Lot-Sample #...: D6F080262-005 **Matrix.....:** WATER
Date Sampled...: 06/06/06 13:05 **Date Received..:** 06/08/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6170376						
Mercury	ND	0.20	ug/L	SW846 7470A	06/26/06	H61W01CK
		Dilution Factor: 1		Analysis Time..: 18:36	MDL.....: 0.027	
Prep Batch #...: 6173296						
Silver	ND	5.0	ug/L	SW846 6020	06/28/06	H61W01CG
		Dilution Factor: 1		Analysis Time..: 20:48	MDL.....: 0.16	
Arsenic	**4.7 B**	**5.0**	**ug/L**	**SW846 6020**	**06/28/06**	**H61W01CC**
		Dilution Factor: 1		Analysis Time..: 20:48	MDL.....: 0.21	
Cadmium	ND	1.0	ug/L	SW846 6020	06/28/06	H61W01CD
		Dilution Factor: 1		Analysis Time..: 20:48	MDL.....: 0.040	
Chromium	**1.4 B,J**	**2.0**	**ug/L**	**SW846 6020**	**06/28/06**	**H61W01CJ**
		Dilution Factor: 1		Analysis Time..: 20:48	MDL.....: 0.50	
Lead	**0.41 B**	**1.0**	**ug/L**	**SW846 6020**	**06/28/06**	**H61W01CE**
		Dilution Factor: 1		Analysis Time..: 20:48	MDL.....: 0.18	
Antimony	**0.24 B**	**2.0**	**ug/L**	**SW846 6020**	**06/28/06**	**H61W01CA**
		Dilution Factor: 1		Analysis Time..: 20:48	MDL.....: 0.070	
Selenium	ND	5.0	ug/L	SW846 6020	06/28/06	H61W01CF
		Dilution Factor: 1		Analysis Time..: 20:48	MDL.....: 0.70	
Thallium	ND	1.0	ug/L	SW846 6020	06/28/06	H61W01CH
		Dilution Factor: 1		Analysis Time..: 20:48	MDL.....: 0.020	
Prep Batch #...: 6173338						
Aluminum	**84 B,J**	**100**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61W01A2**
		Dilution Factor: 1		Analysis Time..: 19:35	MDL.....: 18	
Barium	**89**	**10**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61W01A3**
		Dilution Factor: 1		Analysis Time..: 19:35	MDL.....: 1.0	
Beryllium	ND	5.0	ug/L	SW846 6010B	06/28/06	H61W01A4
		Dilution Factor: 1		Analysis Time..: 19:35	MDL.....: 1.5	

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-DD

TOTAL Metals

Lot-Sample #...: D6F080262-005 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Boron	**200**	**100**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61W01AK**
		Dilution Factor: 1		Analysis Time..: 19:35	MDL.....: 5.9	
Calcium	**32000 J**	**200**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61W01AC**
		Dilution Factor: 1		Analysis Time..: 19:35	MDL.....: 34	
Cobalt	ND	10	ug/L	SW846 6010B	06/28/06	H61W01AD
		Dilution Factor: 1		Analysis Time..: 19:35	MDL.....: 1.2	
Copper	ND	20	ug/L	SW846 6010B	06/28/06	H61W01A5
		Dilution Factor: 1		Analysis Time..: 19:35	MDL.....: 4.5	
Iron	**220**	**100**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61W01A6**
		Dilution Factor: 1		Analysis Time..: 19:35	MDL.....: 22	
Potassium	**6100**	**3000**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61W01AE**
		Dilution Factor: 1		Analysis Time..: 19:35	MDL.....: 240	
Magnesium	**31000**	**200**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61W01AF**
		Dilution Factor: 1		Analysis Time..: 19:35	MDL.....: 43	
Manganese	**4.8 B**	**10**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61W01A7**
		Dilution Factor: 1		Analysis Time..: 19:35	MDL.....: 1.8	
Molybdenum	ND	20	ug/L	SW846 6010B	06/28/06	H61W01AG
		Dilution Factor: 1		Analysis Time..: 19:35	MDL.....: 5.3	
Sodium	**46000 J**	**5000**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61W01AH**
		Dilution Factor: 1		Analysis Time..: 19:35	MDL.....: 92	
Nickel	ND	40	ug/L	SW846 6010B	06/28/06	H61W01A8
		Dilution Factor: 1		Analysis Time..: 19:35	MDL.....: 7.8	
Silica	**39000**	**1100**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61W01AJ**
		Dilution Factor: 1		Analysis Time..: 19:35	MDL.....: 130	
Tin	ND	100	ug/L	SW846 6010B	06/28/06	H61W01AL
		Dilution Factor: 1		Analysis Time..: 19:35	MDL.....: 5.8	

(Continued on next page)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-DD

TOTAL Metals

Lot-Sample #...: D6F080262-005 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	**37**	**10**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61W01A9**
		Dilution Factor: 1		Analysis Time..: 19:35	MDL.....: 2.5	
Zinc	**8.6 B,J**	**20**	**ug/L**	**SW846 6010B**	**06/28/06**	**H61W01AA**
		Dilution Factor: 1		Analysis Time..: 19:35	MDL.....: 4.5	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-A

General Chemistry

Lot-Sample #...: D6F070234-001 **Work Order #...:** H6WJN **Matrix.....:** WATER
Date Sampled...: 06/05/06 13:25 **Date Received..:** 06/07/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.29**	**0.20**	**mg/L**	**MCAWW 300.0A**	**06/07/06**	**6159590**
		Dilution Factor: 1		Analysis Time..: 17:59	MDL.....: 0.13	
Chloride	**38**	**3.0**	**mg/L**	**MCAWW 300.0A**	**06/07/06**	**6159586**
		Dilution Factor: 1		Analysis Time..: 17:59	MDL.....: 0.25	
Fluoride	**2.7**	**1.0**	**mg/L**	**MCAWW 300.0A**	**06/07/06**	**6159587**
		Dilution Factor: 1		Analysis Time..: 17:59	MDL.....: 0.060	
Nitrate	**1.8**	**0.10**	**mg/L**	**MCAWW 353.2**	**06/07/06**	**6165218**
		Dilution Factor: 1		Analysis Time..: 18:25	MDL.....: 0.019	
Nitrate	**1.8**	**0.50**	**mg/L**	**MCAWW 300.0A**	**06/07/06**	**6159585**
		Dilution Factor: 1		Analysis Time..: 17:59	MDL.....: 0.042	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	06/07/06	6159588
		Dilution Factor: 1		Analysis Time..: 17:59	MDL.....: 0.19	
Sulfate	**87 J,Q**	**25**	**mg/L**	**MCAWW 300.0A**	**06/07/06**	**6159589**
		Dilution Factor: 5		Analysis Time..: 18:15	MDL.....: 1.2	
Total Alkalinity	**170**	**5.0**	**mg/L**	**MCAWW 310.1**	**06/09/06**	**6163130**
		Dilution Factor: 1		Analysis Time..: 11:00	MDL.....: 1.1	
Total Cyanide	ND	0.010	mg/L	MCAWW 335.3	06/08/06	6160362
		Dilution Factor: 1		Analysis Time..: 11:00	MDL.....: 0.0024	
Total Dissolved Solids	**390**	**10**	**mg/L**	**MCAWW 160.1**	**06/08/06**	**6160112**
		Dilution Factor: 1		Analysis Time..: 14:30	MDL.....: 4.7	
Total Organic Carbon	**0.47 B,J**	**1.0**	**mg/L**	**SW846 9060**	**06/09-06/10/06**	**6166242**
		Dilution Factor: 1		Analysis Time..: 05:00	MDL.....: 0.16	
Total Organic Halogens	ND	30	ug/L	SW846 9020B	06/08/06	6160107
		Dilution Factor: 1		Analysis Time..: 10:00	MDL.....: 7.7	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

B Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-B

General Chemistry

Lot-Sample #...: D6F070234-002 **Work Order #...:** H6WKP **Matrix.....:** WATER
Date Sampled...: 06/06/06 08:45 **Date Received..:** 06/07/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.39**	**0.20**	**mg/L**	**MCAWW 300.0A**	**06/07/06**	**6159590**
		Dilution Factor: 1		Analysis Time..: 18:32	MDL.....: 0.13	
Chloride	**48 Q**	**15**	**mg/L**	**MCAWW 300.0A**	**06/07/06**	**6159586**
		Dilution Factor: 5		Analysis Time..: 18:49	MDL.....: 1.3	
Fluoride	**2.6**	**1.0**	**mg/L**	**MCAWW 300.0A**	**06/07/06**	**6159587**
		Dilution Factor: 1		Analysis Time..: 18:32	MDL.....: 0.060	
Nitrate	**0.99**	**0.10**	**mg/L**	**MCAWW 353.2**	**06/07/06**	**6165218**
		Dilution Factor: 1		Analysis Time..: 18:25	MDL.....: 0.019	
Nitrate	**1.0**	**0.50**	**mg/L**	**MCAWW 300.0A**	**06/07/06**	**6159585**
		Dilution Factor: 1		Analysis Time..: 18:32	MDL.....: 0.042	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	06/07/06	6159588
		Dilution Factor: 1		Analysis Time..: 18:32	MDL.....: 0.19	
Sulfate	**120 J,Q**	**25**	**mg/L**	**MCAWW 300.0A**	**06/07/06**	**6159589**
		Dilution Factor: 5		Analysis Time..: 18:49	MDL.....: 1.2	
Total Alkalinity	**170**	**5.0**	**mg/L**	**MCAWW 310.1**	**06/09/06**	**6163130**
		Dilution Factor: 1		Analysis Time..: 11:00	MDL.....: 1.1	
Total Cyanide	ND	0.010	mg/L	MCAWW 335.3	06/08/06	6160362
		Dilution Factor: 1		Analysis Time..: 11:00	MDL.....: 0.0024	
Total Dissolved Solids	**470**	**10**	**mg/L**	**MCAWW 160.1**	**06/12/06**	**6164155**
		Dilution Factor: 1		Analysis Time..: 16:00	MDL.....: 4.7	
Total Organic Carbon	**0.35 B,J**	**1.0**	**mg/L**	**SW846 9060**	**06/09-06/10/06**	**6166242**
		Dilution Factor: 1		Analysis Time..: 05:15	MDL.....: 0.16	
Total Organic Halogens	ND	30	ug/L	SW846 9020B	06/08/06	6160107
		Dilution Factor: 1		Analysis Time..: 10:00	MDL.....: 7.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-U

General Chemistry

Lot-Sample #...: D6F070234-003 **Work Order #...:** H6WKR **Matrix.....:** WATER
Date Sampled...: 06/05/06 15:15 **Date Received..:** 06/07/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.50**	**0.20**	**mg/L**	**MCAWW 300.0A**	**06/07/06**	**6159590**
		Dilution Factor: 1		Analysis Time..: 19:05	MDL.....: 0.13	
Chloride	**67 Q**	**15**	**mg/L**	**MCAWW 300.0A**	**06/07/06**	**6159586**
		Dilution Factor: 5		Analysis Time..: 19:55	MDL.....: 1.3	
Fluoride	**2.5**	**1.0**	**mg/L**	**MCAWW 300.0A**	**06/07/06**	**6159587**
		Dilution Factor: 1		Analysis Time..: 19:05	MDL.....: 0.060	
Nitrate	**0.92**	**0.10**	**mg/L**	**MCAWW 353.2**	**06/07/06**	**6165218**
		Dilution Factor: 1		Analysis Time..: 18:25	MDL.....: 0.019	
Nitrate	**0.98**	**0.50**	**mg/L**	**MCAWW 300.0A**	**06/07/06**	**6159585**
		Dilution Factor: 1		Analysis Time..: 19:05	MDL.....: 0.042	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	06/07/06	6159588
		Dilution Factor: 1		Analysis Time..: 19:05	MDL.....: 0.19	
Sulfate	**130 J,Q**	**25**	**mg/L**	**MCAWW 300.0A**	**06/07/06**	**6159589**
		Dilution Factor: 5		Analysis Time..: 19:55	MDL.....: 1.2	
Total Alkalinity	**170**	**5.0**	**mg/L**	**MCAWW 310.1**	**06/09/06**	**6163130**
		Dilution Factor: 1		Analysis Time..: 11:00	MDL.....: 1.1	
Total Cyanide	ND	0.010	mg/L	MCAWW 335.3	06/08/06	6160362
		Dilution Factor: 1		Analysis Time..: 11:00	MDL.....: 0.0024	
Total Dissolved Solids	**480**	**10**	**mg/L**	**MCAWW 160.1**	**06/08/06**	**6160112**
		Dilution Factor: 1		Analysis Time..: 14:30	MDL.....: 4.7	
Total Organic Carbon	**0.37 B,J**	**1.0**	**mg/L**	**SW846 9060**	**06/09-06/10/06**	**6166242**
		Dilution Factor: 1		Analysis Time..: 05:30	MDL.....: 0.16	
Total Organic Halogens	ND	30	ug/L	SW846 9020B	06/08/06	6160107
		Dilution Factor: 1		Analysis Time..: 10:00	MDL.....: 7.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-T

General Chemistry

Lot-Sample #...: D6F080262-001 **Work Order #...:** H61T6 **Matrix.....:** WATER
Date Sampled...: 06/06/06 10:05 **Date Received..:** 06/08/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.44**	**0.20**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160525**
		Dilution Factor: 1		Analysis Time..: 16:28	MDL.....: 0.13	
Chloride	**51 Q**	**15**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160520**
		Dilution Factor: 5		Analysis Time..: 16:45	MDL.....: 1.3	
Fluoride	**2.3**	**1.0**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160521**
		Dilution Factor: 1		Analysis Time..: 16:28	MDL.....: 0.060	
Nitrate	**0.91**	**0.10**	**mg/L**	**MCAWW 353.2**	**06/08/06**	**6181252**
		Dilution Factor: 1		Analysis Time..: 18:30	MDL.....: 0.019	
Nitrate	**0.91**	**0.50**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160522**
		Dilution Factor: 1		Analysis Time..: 16:28	MDL.....: 0.042	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	06/08/06	6160523
		Dilution Factor: 1		Analysis Time..: 16:28	MDL.....: 0.19	
Sulfate	**120 J,Q**	**25**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160524**
		Dilution Factor: 5		Analysis Time..: 16:45	MDL.....: 1.2	
Total Alkalinity	**150**	**5.0**	**mg/L**	**MCAWW 310.1**	**06/15/06**	**6167114**
		Dilution Factor: 1		Analysis Time..: 15:30	MDL.....: 1.1	
Total Cyanide	ND	0.010	mg/L	MCAWW 335.3	06/14-06/15/06	6166489
		Dilution Factor: 1		Analysis Time..: 13:00	MDL.....: 0.0024	
Total Dissolved Solids	**470**	**10**	**mg/L**	**MCAWW 160.1**	**06/12/06**	**6164156**
		Dilution Factor: 1		Analysis Time..: 17:00	MDL.....: 4.7	
Total Organic Carbon	**0.81 B,J**	**1.0**	**mg/L**	**SW846 9060**	**06/28/06**	**6180385**
		Dilution Factor: 1		Analysis Time..: 17:00	MDL.....: 0.16	
Total Organic Halogens	ND IC	60	ug/L	SW846 9020B	07/03/06	6186117
		Dilution Factor: 2		Analysis Time..: 10:00	MDL.....: 15	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-C

General Chemistry

Lot-Sample #...: D6F080262-002 **Work Order #...:** H61VL **Matrix.....:** WATER
Date Sampled...: 06/06/06 15:55 **Date Received..:** 06/08/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.21**	**0.20**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160525**
		Dilution Factor: 1		Analysis Time..: 17:01	MDL.....: 0.13	
Chloride	**9.6**	**3.0**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160520**
		Dilution Factor: 1		Analysis Time..: 17:01	MDL.....: 0.25	
Fluoride	**2.2**	**1.0**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160521**
		Dilution Factor: 1		Analysis Time..: 17:01	MDL.....: 0.060	
Nitrate	**2.1**	**0.10**	**mg/L**	**MCAWW 353.2**	**06/08/06**	**6181252**
		Dilution Factor: 1		Analysis Time..: 18:30	MDL.....: 0.019	
Nitrate	**1.9**	**0.50**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160522**
		Dilution Factor: 1		Analysis Time..: 17:01	MDL.....: 0.042	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	06/08/06	6160523
		Dilution Factor: 1		Analysis Time..: 17:01	MDL.....: 0.19	
Sulfate	**45 J**	**5.0**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160524**
		Dilution Factor: 1		Analysis Time..: 17:01	MDL.....: 0.23	
Total Alkalinity	**240**	**5.0**	**mg/L**	**MCAWW 310.1**	**06/15/06**	**6167114**
		Dilution Factor: 1		Analysis Time..: 15:30	MDL.....: 1.1	
Total Cyanide	**0.0067 B**	**0.010**	**mg/L**	**MCAWW 335.3**	**06/14-06/15/06**	**6166489**
		Dilution Factor: 1		Analysis Time..: 13:00	MDL.....: 0.0024	
Total Dissolved Solids	**360**	**10**	**mg/L**	**MCAWW 160.1**	**06/12/06**	**6164156**
		Dilution Factor: 1		Analysis Time..: 17:00	MDL.....: 4.7	
Total Organic Carbon	**0.90 B,J**	**1.0**	**mg/L**	**SW846 9060**	**06/28/06**	**6180385**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 0.16	
Total Organic Halogens	ND IC	60	ug/L	SW846 9020B	07/03/06	6186117
		Dilution Factor: 2		Analysis Time..: 10:00	MDL.....: 15	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-S

General Chemistry

Lot-Sample #...: D6F080262-003 **Work Order #...:** H61VM **Matrix.....:** WATER
Date Sampled...: 06/06/06 11:20 **Date Received..:** 06/08/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.47**	**0.20**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160525**
		Dilution Factor: 1		Analysis Time..: 17:35	MDL.....: 0.13	
Chloride	**60 Q**	**15**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160520**
		Dilution Factor: 5		Analysis Time..: 17:51	MDL.....: 1.3	
Fluoride	**2.3**	**1.0**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160521**
		Dilution Factor: 1		Analysis Time..: 17:35	MDL.....: 0.060	
Nitrate	**1.3**	**0.10**	**mg/L**	**MCAWW 353.2**	**06/08/06**	**6181252**
		Dilution Factor: 1		Analysis Time..: 18:30	MDL.....: 0.019	
Nitrate	**1.2**	**0.50**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160522**
		Dilution Factor: 1		Analysis Time..: 17:35	MDL.....: 0.042	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	06/08/06	6160523
		Dilution Factor: 1		Analysis Time..: 17:35	MDL.....: 0.19	
Sulfate	**110 J,Q**	**25**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160524**
		Dilution Factor: 5		Analysis Time..: 17:51	MDL.....: 1.2	
Total Alkalinity	**150**	**5.0**	**mg/L**	**MCAWW 310.1**	**06/15/06**	**6167114**
		Dilution Factor: 1		Analysis Time..: 15:30	MDL.....: 1.1	
Total Cyanide	**0.0024 B**	**0.010**	**mg/L**	**MCAWW 335.3**	**06/14-06/15/06**	**6166489**
		Dilution Factor: 1		Analysis Time..: 13:00	MDL.....: 0.0024	
Total Dissolved Solids	**480**	**10**	**mg/L**	**MCAWW 160.1**	**06/12/06**	**6164156**
		Dilution Factor: 1		Analysis Time..: 17:00	MDL.....: 4.7	
Total Organic Carbon	**0.73 B,J**	**1.0**	**mg/L**	**SW846 9060**	**06/28/06**	**6180385**
		Dilution Factor: 1		Analysis Time..: 17:30	MDL.....: 0.16	
Total Organic Halogens	ND IC	60	ug/L	SW846 9020B	07/03/06	6186117
		Dilution Factor: 2		Analysis Time..: 10:00	MDL.....: 15	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-D

General Chemistry

Lot-Sample #...: D6F080262-004 **Work Order #...:** H61VN **Matrix.....:** WATER
Date Sampled...: 06/06/06 12:55 **Date Received..:** 06/08/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.20**	**0.20**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160525**
		Dilution Factor: 1		Analysis Time..: 18:08	MDL.....: 0.13	
Chloride	**8.8**	**3.0**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160520**
		Dilution Factor: 1		Analysis Time..: 18:08	MDL.....: 0.25	
Fluoride	**2.0**	**1.0**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160521**
		Dilution Factor: 1		Analysis Time..: 18:08	MDL.....: 0.060	
Nitrate	**1.5**	**0.10**	**mg/L**	**MCAWW 353.2**	**06/08/06**	**6181252**
		Dilution Factor: 1		Analysis Time..: 18:30	MDL.....: 0.019	
Nitrate	**1.3**	**0.50**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160522**
		Dilution Factor: 1		Analysis Time..: 18:08	MDL.....: 0.042	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	06/08/06	6160523
		Dilution Factor: 1		Analysis Time..: 18:08	MDL.....: 0.19	
Sulfate	**29 J**	**5.0**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160524**
		Dilution Factor: 1		Analysis Time..: 18:08	MDL.....: 0.23	
Total Alkalinity	**270**	**5.0**	**mg/L**	**MCAWW 310.1**	**06/15/06**	**6167114**
		Dilution Factor: 1		Analysis Time..: 15:30	MDL.....: 1.1	
Total Cyanide	ND	0.010	mg/L	MCAWW 335.3	06/14-06/15/06	6166491
		Dilution Factor: 1		Analysis Time..: 13:00	MDL.....: 0.0024	
Total Dissolved Solids	**360**	**10**	**mg/L**	**MCAWW 160.1**	**06/12/06**	**6164156**
		Dilution Factor: 1		Analysis Time..: 17:00	MDL.....: 4.7	
Total Organic Carbon	**0.82 B,J**	**1.0**	**mg/L**	**SW846 9060**	**06/28/06**	**6180385**
		Dilution Factor: 1		Analysis Time..: 17:45	MDL.....: 0.16	
Total Organic Halogens	ND IC	60	ug/L	SW846 9020B	07/03/06	6186117
		Dilution Factor: 2		Analysis Time..: 10:00	MDL.....: 15	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-DD

General Chemistry

Lot-Sample #...: D6F080262-005 **Work Order #...:** H61W0 **Matrix.....:** WATER
Date Sampled...: 06/06/06 13:05 **Date Received..:** 06/08/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.21**	**0.20**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160525**
		Dilution Factor: 1		Analysis Time..: 20:21	MDL.....: 0.13	
Chloride	**8.8**	**3.0**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160520**
		Dilution Factor: 1		Analysis Time..: 20:21	MDL.....: 0.25	
Fluoride	**2.0**	**1.0**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160521**
		Dilution Factor: 1		Analysis Time..: 20:21	MDL.....: 0.060	
Nitrate	**1.5**	**0.10**	**mg/L**	**MCAWW 353.2**	**06/08/06**	**6181252**
		Dilution Factor: 1		Analysis Time..: 18:30	MDL.....: 0.019	
Nitrate	**1.3**	**0.50**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160522**
		Dilution Factor: 1		Analysis Time..: 20:21	MDL.....: 0.042	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	06/08/06	6160523
		Dilution Factor: 1		Analysis Time..: 20:21	MDL.....: 0.19	
Sulfate	**29 J**	**5.0**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160524**
		Dilution Factor: 1		Analysis Time..: 20:21	MDL.....: 0.23	
Total Alkalinity	**280**	**5.0**	**mg/L**	**MCAWW 310.1**	**06/15/06**	**6167114**
		Dilution Factor: 1		Analysis Time..: 15:30	MDL.....: 1.1	
Total Cyanide	ND	0.010	mg/L	MCAWW 335.3	06/14-06/15/06	6166491
		Dilution Factor: 1		Analysis Time..: 13:00	MDL.....: 0.0024	
Total Dissolved Solids	**350**	**10**	**mg/L**	**MCAWW 160.1**	**06/12/06**	**6164156**
		Dilution Factor: 1		Analysis Time..: 17:00	MDL.....: 4.7	
Total Organic Carbon	**0.82 B,J**	**1.0**	**mg/L**	**SW846 9060**	**06/28/06**	**6180385**
		Dilution Factor: 1		Analysis Time..: 18:30	MDL.....: 0.16	
Total Organic Halogens	ND IC	60	ug/L	SW846 9020B	07/03/06	6186117
		Dilution Factor: 2		Analysis Time..: 10:00	MDL.....: 15	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

QC DATA ASSOCIATION SUMMARY

CANNON9 : D6F070234

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 160.1		6160112	6164168
	WATER	MCAWW 353.2		6165218	
	WATER	MCAWW 300.0A		6159586	6163245
	WATER	MCAWW 300.0A		6159589	6163250
	WATER	MCAWW 300.0A		6159587	6163244
	WATER	MCAWW 300.0A		6159585	6163248
	WATER	MCAWW 300.0A		6159588	6163249
	WATER	SW846 9060		6166242	6166163
	WATER	MCAWW 300.0A		6159590	6163246
	WATER	SW846 6020		6159567	6159363
	WATER	SW846 9020B		6160107	6160072
	WATER	SW846 7470A		6159310	6159197
	WATER	SW846 8082		6159175	
	WATER	SW846 8081A		6159184	
	WATER	SW846 8260B		6166107	6166071
	WATER	SW846 8270C		6158472	
	WATER	SW846 6010B		6159602	6159386
	WATER	SW846 8151A		6160093	6160064
	WATER	SW846 8280A		6166384	
	WATER	SW846 8310		6160539	
	WATER	MCAWW 310.1		6163130	6163139
	WATER	MCAWW 335.3		6160362	6160245
	WATER	SW846 6860		6159389	6159247
002	WATER	MCAWW 160.1		6164155	6166136
	WATER	MCAWW 353.2		6165218	
	WATER	MCAWW 300.0A		6159586	6163245
	WATER	MCAWW 300.0A		6159589	6163250
	WATER	MCAWW 300.0A		6159587	6163244
	WATER	MCAWW 300.0A		6159585	6163248
	WATER	MCAWW 300.0A		6159588	6163249
	WATER	SW846 9060		6166242	6166163
	WATER	MCAWW 300.0A		6159590	6163246
	WATER	SW846 6020		6159567	6159363
	WATER	SW846 9020B		6160107	6160072
	WATER	SW846 7470A		6159310	6159197
	WATER	SW846 8082		6159175	
	WATER	SW846 8081A		6159184	
	WATER	SW846 8260B		6166107	6166071
	WATER	SW846 8270C		6158472	
	WATER	SW846 6010B		6159602	6159386
	WATER	SW846 8151A		6160093	6160064
	WATER	SW846 8280A		6166384	

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

CANNON9 : D6F070234

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
002	WATER	SW846 8310		6160539	
	WATER	MCAWW 310.1		6163130	6163139
	WATER	MCAWW 335.3		6160362	6160245
	WATER	SW846 6860		6159389	6159247
003	WATER	MCAWW 160.1		6160112	6164168
	WATER	MCAWW 353.2		6165218	
	WATER	MCAWW 300.0A		6159586	6163245
	WATER	MCAWW 300.0A		6159589	6163250
	WATER	MCAWW 300.0A		6159587	6163244
	WATER	MCAWW 300.0A		6159585	6163248
	WATER	MCAWW 300.0A		6159588	6163249
	WATER	SW846 9060		6166242	6166163
	WATER	MCAWW 300.0A		6159590	6163246
	WATER	SW846 6020		6159567	6159363
	WATER	SW846 9020B		6160107	6160072
	WATER	SW846 7470A		6159310	6159197
	WATER	SW846 8082		6159175	
	WATER	SW846 8081A		6159184	
	WATER	SW846 8260B		6166107	6166071
	WATER	SW846 8270C		6158472	
	WATER	SW846 6010B		6159602	6159386
	WATER	SW846 8151A		6160093	6160064
	WATER	SW846 8280A		6166384	
	WATER	SW846 8310		6160539	
	WATER	MCAWW 310.1		6163130	6163139
	WATER	MCAWW 335.3		6160362	6160245
	WATER	SW846 6860		6159389	6159247
004	WATER	SW846 8260B		6166107	6166071
001	WATER	MCAWW 160.1		6164156	6166141
	WATER	MCAWW 353.2		6181252	
	WATER	MCAWW 300.0A		6160520	6160359
	WATER	MCAWW 300.0A		6160524	6160366
	WATER	MCAWW 300.0A		6160521	6160357
	WATER	MCAWW 300.0A		6160522	6160363
	WATER	MCAWW 300.0A		6160523	6160365
	WATER	SW846 9060		6180385	6180241
	WATER	MCAWW 300.0A		6160525	6160362
	WATER	SW846 6020		6173296	6173228
	WATER	SW846 9020B		6186117	6186056
	WATER	SW846 7470A		6170376	6171131

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QC DATA ASSOCIATION SUMMARY

CANNON9 : D6F080262

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	SW846 8082		6160555	6160381
	WATER	SW846 8081A		6160554	6160380
	WATER	SW846 8260B		6171269	6171152
	WATER	SW846 8270C		6160474	6171108
	WATER	SW846 8270C		6164539	
	WATER	SW846 6010B		6173338	6173257
	WATER	SW846 8151A		6160093	6160064
	WATER	SW846 8280A		6166386	6178120
	WATER	SW846 8310		6163113	6163053
	WATER	MCAWW 310.1		6167114	6170121
	WATER	MCAWW 335.3		6166489	6166306
	WATER	SW846 6860		6160357	6160243
002	WATER	MCAWW 160.1		6164156	6166141
	WATER	MCAWW 353.2		6181252	
	WATER	MCAWW 300.0A		6160520	6160359
	WATER	MCAWW 300.0A		6160524	6160366
	WATER	MCAWW 300.0A		6160521	6160357
	WATER	MCAWW 300.0A		6160522	6160363
	WATER	MCAWW 300.0A		6160523	6160365
	WATER	SW846 9060		6180385	6180241
	WATER	MCAWW 300.0A		6160525	6160362
	WATER	SW846 6020		6173296	6173228
	WATER	SW846 9020B		6186117	6186056
	WATER	SW846 7470A		6170376	6171131
	WATER	SW846 8082		6160555	6160381
	WATER	SW846 8081A		6160554	6160380
	WATER	SW846 8260B		6171269	6171152
	WATER	SW846 8270C		6160474	6171108
	WATER	SW846 8270C		6164539	
	WATER	SW846 6010B		6173338	6173257
	WATER	SW846 8151A		6160093	6160064
	WATER	SW846 8280A		6166386	6178120
	WATER	SW846 8310		6163113	6163053
	WATER	MCAWW 310.1		6167114	6170121
	WATER	MCAWW 335.3		6166489	6166306
	WATER	SW846 6860		6160357	6160243
003	WATER	MCAWW 160.1		6164156	6166141
	WATER	MCAWW 353.2		6181252	
	WATER	MCAWW 300.0A		6160520	6160359
	WATER	MCAWW 300.0A		6160524	6160366
	WATER	MCAWW 300.0A		6160521	6160357

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

CANNON9 : D6F080262

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
003	WATER	MCAWW 300.0A		6160522	6160363
	WATER	MCAWW 300.0A		6160523	6160365
	WATER	SW846 9060		6180385	6180241
	WATER	MCAWW 300.0A		6160525	6160362
	WATER	SW846 6020		6173296	6173228
	WATER	SW846 9020B		6186117	6186056
	WATER	SW846 7470A		6170376	6171131
	WATER	SW846 8082		6160555	6160381
	WATER	SW846 8081A		6160554	6160380
	WATER	SW846 8260B		6171269	6171152
	WATER	SW846 8270C		6160474	6171108
	WATER	SW846 8270C		6164539	
	WATER	SW846 6010B		6173338	6173257
	WATER	SW846 8151A		6160093	6160064
	WATER	SW846 8280A		6166386	6178120
	WATER	SW846 8310		6163113	6163053
	WATER	MCAWW 310.1		6167114	6170121
	WATER	MCAWW 335.3		6166489	6166306
	WATER	SW846 6860		6160357	6160243
004	WATER	MCAWW 160.1		6164156	6166141
	WATER	MCAWW 353.2		6181252	
	WATER	MCAWW 300.0A		6160520	6160359
	WATER	MCAWW 300.0A		6160524	6160366
	WATER	MCAWW 300.0A		6160521	6160357
	WATER	MCAWW 300.0A		6160522	6160363
	WATER	MCAWW 300.0A		6160523	6160365
	WATER	SW846 9060		6180385	6180241
	WATER	MCAWW 300.0A		6160525	6160362
	WATER	SW846 6020		6173296	6173228
	WATER	SW846 9020B		6186117	6186056
	WATER	SW846 7470A		6170376	6171131
	WATER	SW846 8082		6160555	6160381
	WATER	SW846 8081A		6160554	6160380
	WATER	SW846 8260B		6171269	6171152
	WATER	SW846 8270C		6160474	6171108
	WATER	SW846 8270C		6164539	
	WATER	SW846 6010B		6173338	6173257
	WATER	SW846 8151A		6160093	6160064
	WATER	SW846 8280A		6166386	6178120
	WATER	SW846 8310		6163113	6163053
	WATER	MCAWW 310.1		6167114	6170121
	WATER	MCAWW 335.3		6166491	6166307

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QC DATA ASSOCIATION SUMMARY

CANNON9 : D6F080262

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
004	WATER	SW846 6860		6160357	6160243
005	WATER	MCAWW 160.1		6164156	6166141
	WATER	MCAWW 353.2		6181252	
	WATER	MCAWW 300.0A		6160520	6160359
	WATER	MCAWW 300.0A		6160524	6160366
	WATER	MCAWW 300.0A		6160521	6160357
	WATER	MCAWW 300.0A		6160522	6160363
	WATER	MCAWW 300.0A		6160523	6160365
	WATER	SW846 9060		6180385	6180241
	WATER	MCAWW 300.0A		6160525	6160362
	WATER	SW846 6020		6173296	6173228
	WATER	SW846 9020B		6186117	6186056
	WATER	SW846 7470A		6170376	6171131
	WATER	SW846 8082		6160555	6160381
	WATER	SW846 8081A		6160554	6160380
	WATER	SW846 8260B		6171269	6171152
	WATER	SW846 8270C		6160474	6171108
	WATER	SW846 8270C		6164539	
	WATER	SW846 6010B		6173338	6173257
	WATER	SW846 8151A		6160093	6160064
	WATER	SW846 8280A		6166386	6178120
	WATER	SW846 8310		6163113	6163053
	WATER	MCAWW 310.1		6167114	6170121
	WATER	MCAWW 335.3		6166491	6166307
	WATER	SW846 6860		6160357	6160243

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: CANNON9 **Work Order #...:** H7FFK1AA **Matrix.....:** WATER
MB Lot-Sample #: D6F150000-107

Prep Date.....: 06/14/06 **Analysis Time..:** 07:41

Analysis Date..: 06/14/06 **Prep Batch #...:** 6166107
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	5.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
Allyl chloride	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	200	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutyl alcohol	ND	50	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: CANNON9 **Work Order #...:** H7FFK1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methacrylonitrile	ND	10	ug/L	SW846 8260B
Methylene chloride	**0.36 J**	**5.0**	**ug/L**	**SW846 8260B**
Methyl methacrylate	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
Propionitrile	ND	20	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	2.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	113	(79 - 119)
1,2-Dichloroethane-d4	108	(65 - 126)
4-Bromofluorobenzene	102	(75 - 115)
Toluene-d8	99	(78 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Method Blank Report

GC/MS Volatiles

Lot-Sample #: D6F150000-107 B **Work Order #:** H7FFK1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: CANNON9 **Work Order #...:** H7Q1G1AA **Matrix.....:** WATER
MB Lot-Sample #: D6F200000-269

Prep Date.....: 06/19/06 **Analysis Time..:** 12:09

Analysis Date..: 06/19/06 **Prep Batch #...:** 6171269
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	5.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
Allyl chloride	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	200	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutyl alcohol	ND	50	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: CANNON9 **Work Order #...:** H7Q1G1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methacrylonitrile	ND	10	ug/L	SW846 8260B
Methylene chloride	ND	5.0	ug/L	SW846 8260B
Methyl methacrylate	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
Propionitrile	ND	20	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	2.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(79 - 119)
1,2-Dichloroethane-d4	81	(65 - 126)
4-Bromofluorobenzene	91	(75 - 115)
Toluene-d8	93	(78 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

U.S. Geological Survey (USGS)

Method Blank Report

GC/MS Volatiles

Lot-Sample #: D6F200000-269 B **Work Order #:** H7Q1G1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		2.1 J	M	14.285	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: CANNON9 **Work Order #...:** H7FFK1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F150000-107 H7FFK1AD-LCSD
Prep Date.....: 06/14/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6166107 **Analysis Time..:** 07:23
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**107**	**(77 - 118)**			**SW846 8260B**
	108	**(77 - 118)**	**1.6**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**100**	**(78 - 118)**			**SW846 8260B**
	107	**(78 - 118)**	**6.1**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**119**	**(68 - 133)**			**SW846 8260B**
	118	**(68 - 133)**	**1.3**	**(0-20)**	**SW846 8260B**
Toluene	**106**	**(73 - 120)**			**SW846 8260B**
	110	**(73 - 120)**	**3.5**	**(0-20)**	**SW846 8260B**
Trichloroethene	**108**	**(78 - 122)**			**SW846 8260B**
	108	**(78 - 122)**	**0.35**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(79 - 119)
	113	(79 - 119)
1,2-Dichloroethane-d4	104	(65 - 126)
	104	(65 - 126)
4-Bromofluorobenzene	101	(75 - 115)
	108	(75 - 115)
Toluene-d8	99	(78 - 118)
	108	(78 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: CANNON9 **Work Order #...:** H7FFK1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F150000-107 H7FFK1AD-LCSD
Prep Date.....: 06/14/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6166107 **Analysis Time..:** 07:23
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**10.0**	**10.7**	**ug/L**	**107**		**SW846 8260B**
	10.0	**10.8**	**ug/L**	**108**	**1.6**	**SW846 8260B**
Chlorobenzene	**10.0**	**10.0**	**ug/L**	**100**		**SW846 8260B**
	10.0	**10.7**	**ug/L**	**107**	**6.1**	**SW846 8260B**
1,1-Dichloroethene	**10.0**	**11.9**	**ug/L**	**119**		**SW846 8260B**
	10.0	**11.8**	**ug/L**	**118**	**1.3**	**SW846 8260B**
Toluene	**10.0**	**10.6**	**ug/L**	**106**		**SW846 8260B**
	10.0	**11.0**	**ug/L**	**110**	**3.5**	**SW846 8260B**
Trichloroethene	**10.0**	**10.8**	**ug/L**	**108**		**SW846 8260B**
	10.0	**10.8**	**ug/L**	**108**	**0.35**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(79 - 119)
	113	(79 - 119)
1,2-Dichloroethane-d4	104	(65 - 126)
	104	(65 - 126)
4-Bromofluorobenzene	101	(75 - 115)
	108	(75 - 115)
Toluene-d8	99	(78 - 118)
	108	(78 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: CANNON9 **Work Order #...:** H7Q1G1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F200000-269 H7Q1G1AD-LCSD
Prep Date.....: 06/19/06 **Analysis Date..:** 06/19/06
Prep Batch #...: 6171269 **Analysis Time..:** 11:28
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**90**	**(77 - 118)**			**SW846 8260B**
	96	**(77 - 118)**	**7.4**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**95**	**(78 - 118)**			**SW846 8260B**
	102	**(78 - 118)**	**7.6**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**104**	**(68 - 133)**			**SW846 8260B**
	111	**(68 - 133)**	**6.5**	**(0-20)**	**SW846 8260B**
Toluene	**91**	**(73 - 120)**			**SW846 8260B**
	99	**(73 - 120)**	**8.7**	**(0-20)**	**SW846 8260B**
Trichloroethene	**96**	**(78 - 122)**			**SW846 8260B**
	104	**(78 - 122)**	**8.8**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(79 - 119)
	89	(79 - 119)
1,2-Dichloroethane-d4	79	(65 - 126)
	79	(65 - 126)
4-Bromofluorobenzene	91	(75 - 115)
	92	(75 - 115)
Toluene-d8	95	(78 - 118)
	94	(78 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: CANNON9 **Work Order #...:** H7Q1G1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F200000-269 H7Q1G1AD-LCSD
Prep Date.....: 06/19/06 **Analysis Date..:** 06/19/06
Prep Batch #...: 6171269 **Analysis Time..:** 11:28
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**10.0**	**8.95**	**ug/L**	**90**		**SW846 8260B**
	10.0	**9.64**	**ug/L**	**96**	**7.4**	**SW846 8260B**
Chlorobenzene	**10.0**	**9.47**	**ug/L**	**95**		**SW846 8260B**
	10.0	**10.2**	**ug/L**	**102**	**7.6**	**SW846 8260B**
1,1-Dichloroethene	**10.0**	**10.4**	**ug/L**	**104**		**SW846 8260B**
	10.0	**11.1**	**ug/L**	**111**	**6.5**	**SW846 8260B**
Toluene	**10.0**	**9.11**	**ug/L**	**91**		**SW846 8260B**
	10.0	**9.94**	**ug/L**	**99**	**8.7**	**SW846 8260B**
Trichloroethene	**10.0**	**9.55**	**ug/L**	**96**		**SW846 8260B**
	10.0	**10.4**	**ug/L**	**104**	**8.8**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(79 - 119)
	89	(79 - 119)
1,2-Dichloroethane-d4	79	(65 - 126)
	79	(65 - 126)
4-Bromofluorobenzene	91	(75 - 115)
	92	(75 - 115)
Toluene-d8	95	(78 - 118)
	94	(78 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: CANNON9 **Work Order #...:** H6W9G1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F070312-006 H6W9G1AD-MSD
Date Sampled...: 06/05/06 15:29 **Date Received..:** 06/07/06
Prep Date.....: 06/14/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6166107 **Analysis Time..:** 09:50
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**109**	**(77 - 118)**			**SW846 8260B**
	112	**(77 - 118)**	**3.0**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**100**	**(78 - 118)**			**SW846 8260B**
	100	**(78 - 118)**	**0.05**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**120**	**(68 - 133)**			**SW846 8260B**
	121	**(68 - 133)**	**0.38**	**(0-20)**	**SW846 8260B**
Toluene	**108**	**(73 - 120)**			**SW846 8260B**
	100	**(73 - 120)**	**7.0**	**(0-20)**	**SW846 8260B**
Trichloroethene	**106**	**(78 - 122)**			**SW846 8260B**
	108	**(78 - 122)**	**1.4**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	110	(79 - 119)
	112	(79 - 119)
1,2-Dichloroethane-d4	105	(65 - 126)
	109	(65 - 126)
4-Bromofluorobenzene	106	(75 - 115)
	103	(75 - 115)
Toluene-d8	102	(78 - 118)
	92	(78 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: CANNON9 **Work Order #...:** H6W9G1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F070312-006 H6W9G1AD-MSD
Date Sampled...: 06/05/06 15:29 **Date Received..:** 06/07/06
Prep Date.....: 06/14/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6166107 **Analysis Time..:** 09:50
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	**ND**	**10.0**	**10.9**	**ug/L**	**109**		**SW846 8260B**
	ND	**10.0**	**11.2**	**ug/L**	**112**	**3.0**	**SW846 8260B**
Chlorobenzene	**ND**	**10.0**	**9.99**	**ug/L**	**100**		**SW846 8260B**
	ND	**10.0**	**9.98**	**ug/L**	**100**	**0.05**	**SW846 8260B**
1,1-Dichloroethene	**ND**	**10.0**	**12.0**	**ug/L**	**120**		**SW846 8260B**
	ND	**10.0**	**12.1**	**ug/L**	**121**	**0.38**	**SW846 8260B**
Toluene	**ND**	**10.0**	**10.8**	**ug/L**	**108**		**SW846 8260B**
	ND	**10.0**	**10.0**	**ug/L**	**100**	**7.0**	**SW846 8260B**
Trichloroethene	**0.25**	**10.0**	**10.9**	**ug/L**	**106**		**SW846 8260B**
	0.25	**10.0**	**11.0**	**ug/L**	**108**	**1.4**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	110	(79 - 119)
	112	(79 - 119)
1,2-Dichloroethane-d4	105	(65 - 126)
	109	(65 - 126)
4-Bromofluorobenzene	106	(75 - 115)
	103	(75 - 115)
Toluene-d8	102	(78 - 118)
	92	(78 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: CANNON9 **Work Order #...:** H61VN1EA-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F080262-004 H61VN1EC-MSD
Date Sampled...: 06/06/06 13:15 **Date Received..:** 06/08/06
Prep Date.....: 06/19/06 **Analysis Date..:** 06/19/06
Prep Batch #...: 6171269 **Analysis Time..:** 15:35
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**90**	**(77 - 118)**			**SW846 8260B**
	96	**(77 - 118)**	**6.2**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**96**	**(78 - 118)**			**SW846 8260B**
	102	**(78 - 118)**	**5.6**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**105**	**(68 - 133)**			**SW846 8260B**
	111	**(68 - 133)**	**5.7**	**(0-20)**	**SW846 8260B**
Toluene	**91**	**(73 - 120)**			**SW846 8260B**
	97	**(73 - 120)**	**6.7**	**(0-20)**	**SW846 8260B**
Trichloroethene	**94**	**(78 - 122)**			**SW846 8260B**
	101	**(78 - 122)**	**6.3**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(79 - 119)
	91	(79 - 119)
1,2-Dichloroethane-d4	82	(65 - 126)
	83	(65 - 126)
4-Bromofluorobenzene	93	(75 - 115)
	93	(75 - 115)
Toluene-d8	92	(78 - 118)
	92	(78 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: CANNON9 **Work Order #...:** H61VN1EA-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F080262-004 H61VN1EC-MSD
Date Sampled...: 06/06/06 13:15 **Date Received..:** 06/08/06
Prep Date.....: 06/19/06 **Analysis Date..:** 06/19/06
Prep Batch #...: 6171269 **Analysis Time..:** 15:35
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	**ND**	**10.0**	**9.04**	**ug/L**	**90**		**SW846 8260B**
	ND	**10.0**	**9.62**	**ug/L**	**96**	**6.2**	**SW846 8260B**
Chlorobenzene	**ND**	**10.0**	**9.63**	**ug/L**	**96**		**SW846 8260B**
	ND	**10.0**	**10.2**	**ug/L**	**102**	**5.6**	**SW846 8260B**
1,1-Dichloroethene	**ND**	**10.0**	**10.5**	**ug/L**	**105**		**SW846 8260B**
	ND	**10.0**	**11.1**	**ug/L**	**111**	**5.7**	**SW846 8260B**
Toluene	**ND**	**10.0**	**9.08**	**ug/L**	**91**		**SW846 8260B**
	ND	**10.0**	**9.71**	**ug/L**	**97**	**6.7**	**SW846 8260B**
Trichloroethene	**0.27**	**10.0**	**9.71**	**ug/L**	**94**		**SW846 8260B**
	0.27	**10.0**	**10.3**	**ug/L**	**101**	**6.3**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(79 - 119)
	91	(79 - 119)
1,2-Dichloroethane-d4	82	(65 - 126)
	83	(65 - 126)
4-Bromofluorobenzene	93	(75 - 115)
	93	(75 - 115)
Toluene-d8	92	(78 - 118)
	92	(78 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: CANNON9 **Work Order #...:** H7EKQ1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F140355-001 H7EKQ1AD-MSD
Date Sampled...: 06/12/06 23:30 **Date Received..:** 06/14/06
Prep Date.....: 06/19/06 **Analysis Date..:** 06/19/06
Prep Batch #...: 6171269 **Analysis Time..:** 17:17
Dilution Factor: 20

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**89**	**(77 - 118)**			**SW846 8260B**
	93	**(77 - 118)**	**3.9**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**94**	**(78 - 118)**			**SW846 8260B**
	98	**(78 - 118)**	**4.0**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**104**	**(68 - 133)**			**SW846 8260B**
	109	**(68 - 133)**	**4.5**	**(0-20)**	**SW846 8260B**
Toluene	**90**	**(73 - 120)**			**SW846 8260B**
	93	**(73 - 120)**	**3.2**	**(0-20)**	**SW846 8260B**
Trichloroethene	**98**	**(78 - 122)**			**SW846 8260B**
	98	**(78 - 122)**	**0.21**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(79 - 119)
	97	(79 - 119)
1,2-Dichloroethane-d4	86	(65 - 126)
	91	(65 - 126)
4-Bromofluorobenzene	94	(75 - 115)
	92	(75 - 115)
Toluene-d8	92	(78 - 118)
	94	(78 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: CANNON9 **Work Order #...:** H7EKQ1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F140355-001 H7EKQ1AD-MSD
Date Sampled...: 06/12/06 23:30 **Date Received..:** 06/14/06
Prep Date.....: 06/19/06 **Analysis Date..:** 06/19/06
Prep Batch #...: 6171269 **Analysis Time..:** 17:17
Dilution Factor: 20

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	**ND**	**200**	**178**	**ug/L**	**89**		**SW846 8260B**
	ND	**200**	**185**	**ug/L**	**93**	**3.9**	**SW846 8260B**
Chlorobenzene	**ND**	**200**	**188**	**ug/L**	**94**		**SW846 8260B**
	ND	**200**	**196**	**ug/L**	**98**	**4.0**	**SW846 8260B**
1,1-Dichloroethene	**ND**	**200**	**209**	**ug/L**	**104**		**SW846 8260B**
	ND	**200**	**218**	**ug/L**	**109**	**4.5**	**SW846 8260B**
Toluene	**ND**	**200**	**180**	**ug/L**	**90**		**SW846 8260B**
	ND	**200**	**186**	**ug/L**	**93**	**3.2**	**SW846 8260B**
Trichloroethene	**630**	**200**	**828**	**ug/L**	**98**		**SW846 8260B**
	630	**200**	**830**	**ug/L**	**98**	**0.21**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(79 - 119)
	97	(79 - 119)
1,2-Dichloroethane-d4	86	(65 - 126)
	91	(65 - 126)
4-Bromofluorobenzene	94	(75 - 115)
	92	(75 - 115)
Toluene-d8	92	(78 - 118)
	94	(78 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H6XC31AA **Matrix.....:** WATER
MB Lot-Sample #: D6F070000-472

Prep Date.....: 06/07/06 **Analysis Time..:** 11:42
Analysis Date..: 06/13/06 **Prep Batch #...:** 6158472
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
Acetophenone	ND	10	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	100	ug/L	SW846 8270C
4-Aminobiphenyl	ND	50	ug/L	SW846 8270C
Aniline	ND	10	ug/L	SW846 8270C
Anthracene	ND	10	ug/L	SW846 8270C
Aramite	ND	20	ug/L	SW846 8270C
Benzo(a)anthracene	ND	10	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270C
Benzo(a)pyrene	ND	10	ug/L	SW846 8270C
Benzyl alcohol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Chrysene	ND	10	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270C
Dibenzofuran	ND	10	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	10	ug/L	SW846 8270C
Diethyl phthalate	ND	10	ug/L	SW846 8270C
4-Dimethylaminoazobenzene	ND	20	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H6XC31AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	SW846 8270C
3,3'-Dimethylbenzidine	ND	20	ug/L	SW846 8270C
alpha,alpha-Dimethylphene	ND	50	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
1,3-Dinitrobenzene	ND	10	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
2-sec-Butyl-4,6-dinitro-phenol	ND	20	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270C
Diphenylamine	ND	10	ug/L	SW846 8270C
Ethyl methanesulfonate	ND	10	ug/L	SW846 8270C
Fluoranthene	ND	10	ug/L	SW846 8270C
Fluorene	ND	10	ug/L	SW846 8270C
Hexachlorobenzene	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	50	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Hexachloropropene	ND	100	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
Isosafrole	ND	20	ug/L	SW846 8270C
Methapyrilene	ND	50	ug/L	SW846 8270C
3-Methylcholanthrene	ND	20	ug/L	SW846 8270C
Methyl methanesulfonate	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
3-Methylphenol	ND	10	ug/L	SW846 8270C
4-Methylphenol	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
1,4-Naphthoquinone	ND	50	ug/L	SW846 8270C
1-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
4-Nitroaniline	ND	50	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
4-Nitrophenol	ND	50	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H6XC31AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
N-Nitrosodi-n-butylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
N-Nitrosomethylethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosomorpholine	ND	10	ug/L	SW846 8270C
N-Nitrosopiperidine	ND	10	ug/L	SW846 8270C
N-Nitrosopyrrolidine	ND	10	ug/L	SW846 8270C
5-Nitro-o-toluidine	ND	20	ug/L	SW846 8270C
2,2'-oxybis(1-Chloropropa	ND	10	ug/L	SW846 8270C
Pentachlorobenzene	ND	10	ug/L	SW846 8270C
Pentachloroethane	ND	50	ug/L	SW846 8270C
Pentachloronitrobenzene	ND	50	ug/L	SW846 8270C
Pentachlorophenol	ND	50	ug/L	SW846 8270C
Phenacetin	ND	20	ug/L	SW846 8270C
Phenanthrene	ND	10	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
2-Picoline	ND	20	ug/L	SW846 8270C
Pronamide	ND	20	ug/L	SW846 8270C
Pyrene	ND	10	ug/L	SW846 8270C
Pyridine	ND	20	ug/L	SW846 8270C
Safrole	ND	50	ug/L	SW846 8270C
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	SW846 8270C
2-Toluidine	ND	10	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
1,3,5-Trinitrobenzene	ND	50	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(40 - 120)
Phenol-d5	74	(51 - 120)
Nitrobenzene-d5	69	(47 - 120)
2-Fluorobiphenyl	66	(42 - 120)
2,4,6-Tribromophenol	80	(47 - 120)
Terphenyl-d14	83	(30 - 127)

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H6XC31AA **Matrix.....:** WATER

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

U.S. Geological Survey (USGS)

Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: D6F070000-472 B **Work Order #:** H6XC31AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Amylene hydrate	75-85-4	0.21 J	M	1.8441	mg/L
Cyclohexane	110-82-7	0.036 J	M	1.9557	mg/L
Unknown		0.051 J	M	2.0195	mg/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H65DK1AA **Matrix.....:** WATER
MB Lot-Sample #: D6F090000-474

Prep Date.....: 06/09/06 **Analysis Time..:** 22:00
Analysis Date..: 06/15/06 **Prep Batch #...:** 6160474
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
Acetophenone	ND	10	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	100	ug/L	SW846 8270C
4-Aminobiphenyl	ND	50	ug/L	SW846 8270C
Aniline	ND	10	ug/L	SW846 8270C
Anthracene	ND	10	ug/L	SW846 8270C
Aramite	ND	20	ug/L	SW846 8270C
Benzo(a)anthracene	ND	10	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270C
Benzo(a)pyrene	ND	10	ug/L	SW846 8270C
Benzyl alcohol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Chrysene	ND	10	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270C
Dibenzofuran	ND	10	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	10	ug/L	SW846 8270C
Diethyl phthalate	ND	10	ug/L	SW846 8270C
4-Dimethylaminoazobenzene	ND	20	ug/L	SW846 8270C

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H65DK1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	SW846 8270C
3,3'-Dimethylbenzidine	ND	20	ug/L	SW846 8270C
alpha,alpha-Dimethylphene	ND	50	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
1,3-Dinitrobenzene	ND	10	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
2-sec-Butyl-4,6-dinitro-phenol	ND	20	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270C
Diphenylamine	ND	10	ug/L	SW846 8270C
Ethyl methanesulfonate	ND	10	ug/L	SW846 8270C
Fluoranthene	ND	10	ug/L	SW846 8270C
Fluorene	ND	10	ug/L	SW846 8270C
Hexachlorobenzene	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	50	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Hexachloropropene	ND	100	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
Isosafrole	ND	20	ug/L	SW846 8270C
Methapyrilene	ND	50	ug/L	SW846 8270C
3-Methylcholanthrene	ND	20	ug/L	SW846 8270C
Methyl methanesulfonate	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
3-Methylphenol	ND	10	ug/L	SW846 8270C
4-Methylphenol	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
1,4-Naphthoquinone	ND	50	ug/L	SW846 8270C
1-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
4-Nitroaniline	ND	50	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
4-Nitrophenol	ND	50	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H65DK1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
N-Nitrosodi-n-butylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
N-Nitrosomethylethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosomorpholine	ND	10	ug/L	SW846 8270C
N-Nitrosopiperidine	ND	10	ug/L	SW846 8270C
N-Nitrosopyrrolidine	ND	10	ug/L	SW846 8270C
5-Nitro-o-toluidine	ND	20	ug/L	SW846 8270C
2,2'-oxybis(1-Chloropropa	ND	10	ug/L	SW846 8270C
Pentachlorobenzene	ND	10	ug/L	SW846 8270C
Pentachloroethane	ND	50	ug/L	SW846 8270C
Pentachloronitrobenzene	ND	50	ug/L	SW846 8270C
Pentachlorophenol	ND	50	ug/L	SW846 8270C
Phenacetin	ND	20	ug/L	SW846 8270C
Phenanthrene	ND	10	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
2-Picoline	ND	20	ug/L	SW846 8270C
Pronamide	ND	20	ug/L	SW846 8270C
Pyrene	ND	10	ug/L	SW846 8270C
Pyridine	ND	20	ug/L	SW846 8270C
Safrole	ND	50	ug/L	SW846 8270C
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	SW846 8270C
2-Toluidine	ND	10	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
1,3,5-Trinitrobenzene	ND	50	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	67	(40 - 120)
Phenol-d5	70	(51 - 120)
Nitrobenzene-d5	68	(47 - 120)
2-Fluorobiphenyl	57	(42 - 120)
2,4,6-Tribromophenol	54	(47 - 120)
Terphenyl-d14	68	(30 - 127)

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H65DK1AA **Matrix.....:** WATER

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

U.S. Geological Survey (USGS)

Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: D6F090000-474 B **Work Order #:** H65DK1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Methylene chloride	75-09-2	9.1 J	M	1.8388	ug/L
Cyclohexane	110-82-7	57 J	M	1.9558	ug/L
Unknown		19 J	M	2.0142	ug/L
Unknown		8.6 J	M	2.0833	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H7A2J1AA **Matrix.....:** WATER
MB Lot-Sample #: D6F130000-539

Prep Date.....: 06/13/06 **Analysis Time..:** 16:32

Analysis Date..: 06/19/06 **Prep Batch #...:** 6164539
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
Acetophenone	ND	10	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	100	ug/L	SW846 8270C
4-Aminobiphenyl	ND	50	ug/L	SW846 8270C
Aniline	ND	10	ug/L	SW846 8270C
Anthracene	ND	10	ug/L	SW846 8270C
Aramite	ND	20	ug/L	SW846 8270C
Benzo(a)anthracene	ND	10	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270C
Benzo(a)pyrene	ND	10	ug/L	SW846 8270C
Benzyl alcohol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Chrysene	ND	10	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270C
Dibenzofuran	ND	10	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	10	ug/L	SW846 8270C
Diethyl phthalate	ND	10	ug/L	SW846 8270C
4-Dimethylaminoazobenzene	ND	20	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H7A2J1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	SW846 8270C
3,3'-Dimethylbenzidine	ND	20	ug/L	SW846 8270C
alpha,alpha-Dimethylphene	ND	50	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
1,3-Dinitrobenzene	ND	10	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
2-sec-Butyl-4,6-dinitro-phenol	ND	20	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270C
Diphenylamine	ND	10	ug/L	SW846 8270C
Ethyl methanesulfonate	ND	10	ug/L	SW846 8270C
Fluoranthene	ND	10	ug/L	SW846 8270C
Fluorene	ND	10	ug/L	SW846 8270C
Hexachlorobenzene	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	50	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Hexachloropropene	ND	100	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
Isosafrole	ND	20	ug/L	SW846 8270C
Methapyrilene	ND	50	ug/L	SW846 8270C
3-Methylcholanthrene	ND	20	ug/L	SW846 8270C
Methyl methanesulfonate	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
3-Methylphenol	ND	10	ug/L	SW846 8270C
4-Methylphenol	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
1,4-Naphthoquinone	ND	50	ug/L	SW846 8270C
1-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
4-Nitroaniline	ND	50	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
4-Nitrophenol	ND	50	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H7A2J1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
N-Nitrosodi-n-butylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
N-Nitrosomethylethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosomorpholine	ND	10	ug/L	SW846 8270C
N-Nitrosopiperidine	ND	10	ug/L	SW846 8270C
N-Nitrosopyrrolidine	ND	10	ug/L	SW846 8270C
5-Nitro-o-toluidine	ND	20	ug/L	SW846 8270C
2,2'-oxybis(1-Chloropropa	ND	10	ug/L	SW846 8270C
Pentachlorobenzene	ND	10	ug/L	SW846 8270C
Pentachloroethane	ND	50	ug/L	SW846 8270C
Pentachloronitrobenzene	ND	50	ug/L	SW846 8270C
Pentachlorophenol	ND	50	ug/L	SW846 8270C
Phenacetin	ND	20	ug/L	SW846 8270C
Phenanthrene	ND	10	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
2-Picoline	ND	20	ug/L	SW846 8270C
Pronamide	ND	20	ug/L	SW846 8270C
Pyrene	ND	10	ug/L	SW846 8270C
Pyridine	ND	20	ug/L	SW846 8270C
Safrole	ND	50	ug/L	SW846 8270C
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	SW846 8270C
2-Toluidine	ND	10	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
1,3,5-Trinitrobenzene	ND	50	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	48	(40 - 120)
Phenol-d5	50 *	(51 - 120)
Nitrobenzene-d5	57	(47 - 120)
2-Fluorobiphenyl	61	(42 - 120)
2,4,6-Tribromophenol	78	(47 - 120)
Terphenyl-d14	92	(30 - 127)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H7A2J1AA **Matrix.....:** WATER

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

* Surrogate recovery is outside stated control limits.

U.S. Geological Survey (USGS)

Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: D6F130000-539 B **Work Order #:** H7A2J1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		9.8	M	1.812	ug/L
Cyclohexane	110-82-7	120	M	1.935	ug/L
Unknown		66	M	1.993	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H6XC31AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F070000-472 H6XC31AD-LCSD
Prep Date.....: 06/07/06 **Analysis Date..:** 06/13/06
Prep Batch #...: 6158472 **Analysis Time..:** 09:52
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	67	(52 - 120)			SW846 8270C
	69	(52 - 120)	3.4	(0-30)	SW846 8270C
4-Chloro-3-methylphenol	72	(57 - 120)			SW846 8270C
	73	(57 - 120)	1.5	(0-30)	SW846 8270C
2-Chlorophenol	66	(55 - 120)			SW846 8270C
	69	(55 - 120)	5.2	(0-30)	SW846 8270C
1,4-Dichlorobenzene	58	(36 - 120)			SW846 8270C
	55	(36 - 120)	5.9	(0-44)	SW846 8270C
2,4-Dinitrotoluene	67	(54 - 120)			SW846 8270C
	71	(54 - 120)	6.4	(0-44)	SW846 8270C
4-Nitrophenol	68	(48 - 120)			SW846 8270C
	74	(48 - 120)	8.1	(0-37)	SW846 8270C
N-Nitrosodi-n-propyl-amine	66	(52 - 120)			SW846 8270C
	68	(52 - 120)	3.2	(0-30)	SW846 8270C
Pentachlorophenol	76	(50 - 120)			SW846 8270C
	82	(50 - 120)	7.1	(0-30)	SW846 8270C
Phenol	64	(54 - 120)			SW846 8270C
	67	(54 - 120)	4.6	(0-34)	SW846 8270C
Pyrene	80	(52 - 120)			SW846 8270C
	73	(52 - 120)	8.3	(0-30)	SW846 8270C
1,2,4-Trichloro-benzene	61	(39 - 120)			SW846 8270C
	59	(39 - 120)	2.3	(0-42)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	63	(54 - 120)
	68	(54 - 120)
Phenol-d5	66	(56 - 120)
	70	(56 - 120)
Nitrobenzene-d5	64	(55 - 120)
	67	(55 - 120)
2-Fluorobiphenyl	64	(43 - 120)
	61	(43 - 120)
2,4,6-Tribromophenol	73	(53 - 120)
	80	(53 - 120)
Terphenyl-d14	82	(54 - 122)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H6XC31AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F070000-472 H6XC31AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	77	(54 - 122)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H6XC31AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F070000-472 H6XC31AD-LCSD
Prep Date.....: 06/07/06 **Analysis Date..:** 06/13/06
Prep Batch #...: 6158472 **Analysis Time..:** 09:52
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acenaphthene	100	67.1	ug/L	67		SW846 8270C
	100	69.4	ug/L	69	3.4	SW846 8270C
4-Chloro-3-methylphenol	150	108	ug/L	72		SW846 8270C
	150	110	ug/L	73	1.5	SW846 8270C
2-Chlorophenol	150	98.7	ug/L	66		SW846 8270C
	150	104	ug/L	69	5.2	SW846 8270C
1,4-Dichlorobenzene	100	58.5	ug/L	58		SW846 8270C
	100	55.1	ug/L	55	5.9	SW846 8270C
2,4-Dinitrotoluene	100	66.7	ug/L	67		SW846 8270C
	100	71.2	ug/L	71	6.4	SW846 8270C
4-Nitrophenol	150	102	ug/L	68		SW846 8270C
	150	110	ug/L	74	8.1	SW846 8270C
N-Nitrosodi-n-propyl-amine	100	65.9	ug/L	66		SW846 8270C
	100	68.0	ug/L	68	3.2	SW846 8270C
Pentachlorophenol	150	114	ug/L	76		SW846 8270C
	150	123	ug/L	82	7.1	SW846 8270C
Phenol	150	96.5	ug/L	64		SW846 8270C
	150	101	ug/L	67	4.6	SW846 8270C
Pyrene	100	79.7	ug/L	80		SW846 8270C
	100	73.4	ug/L	73	8.3	SW846 8270C
1,2,4-Trichloro-benzene	100	60.5	ug/L	61		SW846 8270C
	100	59.2	ug/L	59	2.3	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	63	(54 - 120)
	68	(54 - 120)
Phenol-d5	66	(56 - 120)
	70	(56 - 120)
Nitrobenzene-d5	64	(55 - 120)
	67	(55 - 120)
2-Fluorobiphenyl	64	(43 - 120)
	61	(43 - 120)
2,4,6-Tribromophenol	73	(53 - 120)
	80	(53 - 120)
Terphenyl-d14	82	(54 - 122)

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H6XC31AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F070000-472 H6XC31AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	77	(54 - 122)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H65DK1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F090000-474 H65DK1AD-LCSD
Prep Date.....: 06/09/06 **Analysis Date..:** 06/12/06
Prep Batch #...: 6160474 **Analysis Time..:** 18:44
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	**70**	**(52 - 120)**			**SW846 8270C**
	66	**(52 - 120)**	**5.9**	**(0-30)**	**SW846 8270C**
4-Chloro-3-methylphenol	**75**	**(57 - 120)**			**SW846 8270C**
	59	**(57 - 120)**	**24**	**(0-30)**	**SW846 8270C**
2-Chlorophenol	**71**	**(55 - 120)**			**SW846 8270C**
	47 a,p	**(55 - 120)**	**41**	**(0-30)**	**SW846 8270C**
1,4-Dichlorobenzene	**68**	**(36 - 120)**			**SW846 8270C**
	58	**(36 - 120)**	**15**	**(0-44)**	**SW846 8270C**
2,4-Dinitrotoluene	**72**	**(54 - 120)**			**SW846 8270C**
	76	**(54 - 120)**	**6.2**	**(0-44)**	**SW846 8270C**
4-Nitrophenol	**74**	**(48 - 120)**			**SW846 8270C**
	63	**(48 - 120)**	**16**	**(0-37)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**73**	**(52 - 120)**			**SW846 8270C**
	68	**(52 - 120)**	**6.2**	**(0-30)**	**SW846 8270C**
Pentachlorophenol	**77**	**(50 - 120)**			**SW846 8270C**
	75	**(50 - 120)**	**3.0**	**(0-30)**	**SW846 8270C**
Phenol	**69**	**(54 - 120)**			**SW846 8270C**
	32 a,p	**(54 - 120)**	**72**	**(0-34)**	**SW846 8270C**
Pyrene	**76**	**(52 - 120)**			**SW846 8270C**
	75	**(52 - 120)**	**0.71**	**(0-30)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**68**	**(39 - 120)**			**SW846 8270C**
	60	**(39 - 120)**	**13**	**(0-42)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	71	(54 - 120)
	34 *	(54 - 120)
Phenol-d5	73	(56 - 120)
	32 *	(56 - 120)
Nitrobenzene-d5	71	(55 - 120)
	64	(55 - 120)
2-Fluorobiphenyl	68	(43 - 120)
	61	(43 - 120)
2,4,6-Tribromophenol	77	(53 - 120)
	65	(53 - 120)
Terphenyl-d14	79	(54 - 122)

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H65DK1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F090000-474 H65DK1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	83	(54 - 122)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H65DK1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F090000-474 H65DK1AD-LCSD
Prep Date.....: 06/09/06 **Analysis Date..:** 06/12/06
Prep Batch #...: 6160474 **Analysis Time..:** 18:44
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acenaphthene	100	70.1	ug/L	70		SW846 8270C
	100	66.1	ug/L	66	5.9	SW846 8270C
4-Chloro-3-methylphenol	150	112	ug/L	75		SW846 8270C
	150	88.2	ug/L	59	24	SW846 8270C
2-Chlorophenol	150	107	ug/L	71		SW846 8270C
	150	70.2 a,p	ug/L	47	41	SW846 8270C
1,4-Dichlorobenzene	100	67.7	ug/L	68		SW846 8270C
	100	58.2	ug/L	58	15	SW846 8270C
2,4-Dinitrotoluene	100	71.6	ug/L	72		SW846 8270C
	100	76.1	ug/L	76	6.2	SW846 8270C
4-Nitrophenol	150	111	ug/L	74		SW846 8270C
	150	95.1	ug/L	63	16	SW846 8270C
N-Nitrosodi-n-propyl-amine	100	72.5	ug/L	73		SW846 8270C
	100	68.2	ug/L	68	6.2	SW846 8270C
Pentachlorophenol	150	116	ug/L	77		SW846 8270C
	150	112	ug/L	75	3.0	SW846 8270C
Phenol	150	104	ug/L	69		SW846 8270C
	150	48.7 a,p	ug/L	32	72	SW846 8270C
Pyrene	100	75.9	ug/L	76		SW846 8270C
	100	75.4	ug/L	75	0.71	SW846 8270C
1,2,4-Trichloro-benzene	100	68.3	ug/L	68		SW846 8270C
	100	60.0	ug/L	60	13	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	71	(54 - 120)
	34 *	(54 - 120)
Phenol-d5	73	(56 - 120)
	32 *	(56 - 120)
Nitrobenzene-d5	71	(55 - 120)
	64	(55 - 120)
2-Fluorobiphenyl	68	(43 - 120)
	61	(43 - 120)
2,4,6-Tribromophenol	77	(53 - 120)
	65	(53 - 120)
Terphenyl-d14	79	(54 - 122)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H65DK1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F090000-474 H65DK1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	83	(54 - 122)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H7A2J1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F130000-539 H7A2J1AD-LCSD
Prep Date.....: 06/13/06 **Analysis Date..:** 06/19/06
Prep Batch #...: 6164539 **Analysis Time..:** 13:01
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	**85**	**(52 - 120)**			**SW846 8270C**
	78	**(52 - 120)**	**9.7**	**(0-30)**	**SW846 8270C**
4-Chloro-3-methylphenol	**91**	**(57 - 120)**			**SW846 8270C**
	78	**(57 - 120)**	**15**	**(0-30)**	**SW846 8270C**
2-Chlorophenol	**85**	**(55 - 120)**			**SW846 8270C**
	73	**(55 - 120)**	**15**	**(0-30)**	**SW846 8270C**
1,4-Dichlorobenzene	**68**	**(36 - 120)**			**SW846 8270C**
	69	**(36 - 120)**	**2.0**	**(0-44)**	**SW846 8270C**
2,4-Dinitrotoluene	**88**	**(54 - 120)**			**SW846 8270C**
	77	**(54 - 120)**	**13**	**(0-44)**	**SW846 8270C**
4-Nitrophenol	**80**	**(48 - 120)**			**SW846 8270C**
	64	**(48 - 120)**	**22**	**(0-37)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**96**	**(52 - 120)**			**SW846 8270C**
	84	**(52 - 120)**	**13**	**(0-30)**	**SW846 8270C**
Pentachlorophenol	**93**	**(50 - 120)**			**SW846 8270C**
	84	**(50 - 120)**	**9.4**	**(0-30)**	**SW846 8270C**
Phenol	**84**	**(54 - 120)**			**SW846 8270C**
	67	**(54 - 120)**	**23**	**(0-34)**	**SW846 8270C**
Pyrene	**97**	**(52 - 120)**			**SW846 8270C**
	84	**(52 - 120)**	**15**	**(0-30)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**71**	**(39 - 120)**			**SW846 8270C**
	70	**(39 - 120)**	**1.6**	**(0-42)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	86	(54 - 120)
	71	(54 - 120)
Phenol-d5	91	(56 - 120)
	70	(56 - 120)
Nitrobenzene-d5	91	(55 - 120)
	78	(55 - 120)
2-Fluorobiphenyl	74	(43 - 120)
	72	(43 - 120)
2,4,6-Tribromophenol	88	(53 - 120)
	80	(53 - 120)
Terphenyl-d14	97	(54 - 122)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H7A2J1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F130000-539 H7A2J1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	88	(54 - 122)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H7A2J1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F130000-539 H7A2J1AD-LCSD
Prep Date.....: 06/13/06 **Analysis Date..:** 06/19/06
Prep Batch #...: 6164539 **Analysis Time..:** 13:01
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acenaphthene	**100**	**85.5**	**ug/L**	**85**		**SW846 8270C**
	100	**77.6**	**ug/L**	**78**	**9.7**	**SW846 8270C**
4-Chloro-3-methylphenol	**150**	**136**	**ug/L**	**91**		**SW846 8270C**
	150	**117**	**ug/L**	**78**	**15**	**SW846 8270C**
2-Chlorophenol	**150**	**127**	**ug/L**	**85**		**SW846 8270C**
	150	**110**	**ug/L**	**73**	**15**	**SW846 8270C**
1,4-Dichlorobenzene	**100**	**67.7**	**ug/L**	**68**		**SW846 8270C**
	100	**69.0**	**ug/L**	**69**	**2.0**	**SW846 8270C**
2,4-Dinitrotoluene	**100**	**87.7**	**ug/L**	**88**		**SW846 8270C**
	100	**77.3**	**ug/L**	**77**	**13**	**SW846 8270C**
4-Nitrophenol	**150**	**120**	**ug/L**	**80**		**SW846 8270C**
	150	**96.7**	**ug/L**	**64**	**22**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**100**	**95.6**	**ug/L**	**96**		**SW846 8270C**
	100	**83.8**	**ug/L**	**84**	**13**	**SW846 8270C**
Pentachlorophenol	**150**	**139**	**ug/L**	**93**		**SW846 8270C**
	150	**126**	**ug/L**	**84**	**9.4**	**SW846 8270C**
Phenol	**150**	**127**	**ug/L**	**84**		**SW846 8270C**
	150	**101**	**ug/L**	**67**	**23**	**SW846 8270C**
Pyrene	**100**	**97.5**	**ug/L**	**97**		**SW846 8270C**
	100	**83.6**	**ug/L**	**84**	**15**	**SW846 8270C**
1,2,4-Trichloro-benzene	**100**	**70.8**	**ug/L**	**71**		**SW846 8270C**
	100	**69.7**	**ug/L**	**70**	**1.6**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	86	(54 - 120)
	71	(54 - 120)
Phenol-d5	91	(56 - 120)
	70	(56 - 120)
Nitrobenzene-d5	91	(55 - 120)
	78	(55 - 120)
2-Fluorobiphenyl	74	(43 - 120)
	72	(43 - 120)
2,4,6-Tribromophenol	88	(53 - 120)
	80	(53 - 120)
Terphenyl-d14	97	(54 - 122)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H7A2J1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F130000-539 H7A2J1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	88	(54 - 122)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H61VN1ED-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F080262-004 H61VN1EE-MSD
Date Sampled...: 06/06/06 13:15 **Date Received..:** 06/08/06
Prep Date.....: 06/09/06 **Analysis Date..:** 06/16/06
Prep Batch #...: 6160474 **Analysis Time..:** 04:17
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	**80**	**(49 - 120)**			**SW846 8270C**
	75	**(49 - 120)**	**4.9**	**(0-42)**	**SW846 8270C**
4-Chloro-3-methylphenol	**86**	**(54 - 120)**			**SW846 8270C**
	81	**(54 - 120)**	**5.1**	**(0-59)**	**SW846 8270C**
2-Chlorophenol	**83**	**(50 - 120)**			**SW846 8270C**
	81	**(50 - 120)**	**1.9**	**(0-47)**	**SW846 8270C**
1,4-Dichlorobenzene	**73**	**(40 - 120)**			**SW846 8270C**
	70	**(40 - 120)**	**3.3**	**(0-52)**	**SW846 8270C**
2,4-Dinitrotoluene	**87**	**(52 - 120)**			**SW846 8270C**
	76	**(52 - 120)**	**12**	**(0-47)**	**SW846 8270C**
4-Nitrophenol	**81**	**(40 - 122)**			**SW846 8270C**
	79	**(40 - 122)**	**2.5**	**(0-61)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**89**	**(44 - 120)**			**SW846 8270C**
	84	**(44 - 120)**	**5.1**	**(0-45)**	**SW846 8270C**
Pentachlorophenol	**88**	**(48 - 120)**			**SW846 8270C**
	84	**(48 - 120)**	**4.7**	**(0-50)**	**SW846 8270C**
Phenol	**83**	**(46 - 120)**			**SW846 8270C**
	79	**(46 - 120)**	**4.8**	**(0-47)**	**SW846 8270C**
Pyrene	**85**	**(35 - 122)**			**SW846 8270C**
	84	**(35 - 122)**	**0.09**	**(0-58)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**73**	**(46 - 120)**			**SW846 8270C**
	70	**(46 - 120)**	**3.4**	**(0-50)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	84	(40 - 120)
	80	(40 - 120)
Phenol-d5	89	(51 - 120)
	82	(51 - 120)
Nitrobenzene-d5	85	(47 - 120)
	81	(47 - 120)
2-Fluorobiphenyl	76	(42 - 120)
	72	(42 - 120)
2,4,6-Tribromophenol	76	(47 - 120)
	68	(47 - 120)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H61VN1ED-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F080262-004 H61VN1EE-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	88	(30 - 127)
	85	(30 - 127)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H61VN1ED-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F080262-004 H61VN1EE-MSD
Date Sampled...: 06/06/06 13:15 **Date Received..:** 06/08/06
Prep Date.....: 06/09/06 **Analysis Date..:** 06/16/06
Prep Batch #...: 6160474 **Analysis Time..:** 04:17
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acenaphthene	ND	97.4	77.9	ug/L	80		SW846 8270C
	ND	98.2	74.2	ug/L	75	4.9	SW846 8270C
4-Chloro-3-methylphenol	ND	146	125	ug/L	86		SW846 8270C
	ND	147	119	ug/L	81	5.1	SW846 8270C
2-Chlorophenol	ND	146	121	ug/L	83		SW846 8270C
	ND	147	119	ug/L	81	1.9	SW846 8270C
1,4-Dichlorobenzene	ND	97.4	70.7	ug/L	73		SW846 8270C
	ND	98.2	68.4	ug/L	70	3.3	SW846 8270C
2,4-Dinitrotoluene	ND	97.4	84.8	ug/L	87		SW846 8270C
	ND	98.2	75.1	ug/L	76	12	SW846 8270C
4-Nitrophenol	ND	146	119	ug/L	81		SW846 8270C
	ND	147	116	ug/L	79	2.5	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	97.4	86.8	ug/L	89		SW846 8270C
	ND	98.2	82.5	ug/L	84	5.1	SW846 8270C
Pentachlorophenol	ND	146	129	ug/L	88		SW846 8270C
	ND	147	123	ug/L	84	4.7	SW846 8270C
Phenol	ND	146	122	ug/L	83		SW846 8270C
	ND	147	116	ug/L	79	4.8	SW846 8270C
Pyrene	ND	97.4	82.6	ug/L	85		SW846 8270C
	ND	98.2	82.5	ug/L	84	0.09	SW846 8270C
1,2,4-Trichloro-benzene	ND	97.4	70.8	ug/L	73		SW846 8270C
	ND	98.2	68.4	ug/L	70	3.4	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	84	(40 - 120)
	80	(40 - 120)
Phenol-d5	89	(51 - 120)
	82	(51 - 120)
Nitrobenzene-d5	85	(47 - 120)
	81	(47 - 120)
2-Fluorobiphenyl	76	(42 - 120)
	72	(42 - 120)
2,4,6-Tribromophenol	76	(47 - 120)
	68	(47 - 120)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H61VN1ED-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F080262-004 H61VN1EE-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	88	(30 - 127)
	85	(30 - 127)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H63AV1AF-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F080443-001 H63AV1AG-MSD
Date Sampled...: 06/06/06 14:30 **Date Received..:** 06/08/06
Prep Date.....: 06/09/06 **Analysis Date..:** 06/16/06
Prep Batch #...: 6160474 **Analysis Time..:** 05:36
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	**79**	**(49 - 120)**			**SW846 8270C**
	81	**(49 - 120)**	**1.7**	**(0-42)**	**SW846 8270C**
4-Chloro-3-methylphenol	**85**	**(54 - 120)**			**SW846 8270C**
	85	**(54 - 120)**	**0.32**	**(0-59)**	**SW846 8270C**
2-Chlorophenol	**84**	**(50 - 120)**			**SW846 8270C**
	83	**(50 - 120)**	**2.0**	**(0-47)**	**SW846 8270C**
1,4-Dichlorobenzene	**75**	**(40 - 120)**			**SW846 8270C**
	74	**(40 - 120)**	**1.2**	**(0-52)**	**SW846 8270C**
2,4-Dinitrotoluene	**82**	**(52 - 120)**			**SW846 8270C**
	82	**(52 - 120)**	**1.5**	**(0-47)**	**SW846 8270C**
4-Nitrophenol	**86**	**(40 - 122)**			**SW846 8270C**
	85	**(40 - 122)**	**1.2**	**(0-61)**	**SW846 8270C**
N-Nitrosodi-n-propyl- amine	**89**	**(44 - 120)**			**SW846 8270C**
	87	**(44 - 120)**	**2.0**	**(0-45)**	**SW846 8270C**
Pentachlorophenol	**95**	**(48 - 120)**			**SW846 8270C**
	93	**(48 - 120)**	**3.2**	**(0-50)**	**SW846 8270C**
Phenol	**85**	**(46 - 120)**			**SW846 8270C**
	82	**(46 - 120)**	**4.3**	**(0-47)**	**SW846 8270C**
Pyrene	**81**	**(35 - 122)**			**SW846 8270C**
	79	**(35 - 122)**	**2.5**	**(0-58)**	**SW846 8270C**
1,2,4-Trichloro- benzene	**74**	**(46 - 120)**			**SW846 8270C**
	73	**(46 - 120)**	**1.7**	**(0-50)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	86	(40 - 120)
	83	(40 - 120)
Phenol-d5	89	(51 - 120)
	85	(51 - 120)
Nitrobenzene-d5	86	(47 - 120)
	84	(47 - 120)
2-Fluorobiphenyl	76	(42 - 120)
	77	(42 - 120)
2,4,6-Tribromophenol	76	(47 - 120)
	73	(47 - 120)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H63AV1AF-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F080443-001 H63AV1AG-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	83	(30 - 127)
	80	(30 - 127)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H63AV1AF-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F080443-001 H63AV1AG-MSD
Date Sampled...: 06/06/06 14:30 **Date Received..:** 06/08/06
Prep Date.....: 06/09/06 **Analysis Date..:** 06/16/06
Prep Batch #...: 6160474 **Analysis Time..:** 05:36
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acenaphthene	**ND**	**101**	**79.7**	**ug/L**	**79**		**SW846 8270C**
	ND	**100**	**81.1**	**ug/L**	**81**	**1.7**	**SW846 8270C**
4-Chloro-3-methylphenol	**ND**	**151**	**128**	**ug/L**	**85**		**SW846 8270C**
	ND	**150**	**127**	**ug/L**	**85**	**0.32**	**SW846 8270C**
2-Chlorophenol	**ND**	**151**	**127**	**ug/L**	**84**		**SW846 8270C**
	ND	**150**	**124**	**ug/L**	**83**	**2.0**	**SW846 8270C**
1,4-Dichlorobenzene	**ND**	**101**	**75.3**	**ug/L**	**75**		**SW846 8270C**
	ND	**100**	**74.3**	**ug/L**	**74**	**1.2**	**SW846 8270C**
2,4-Dinitrotoluene	**ND**	**101**	**82.7**	**ug/L**	**82**		**SW846 8270C**
	ND	**100**	**81.5**	**ug/L**	**82**	**1.5**	**SW846 8270C**
4-Nitrophenol	**ND**	**151**	**129**	**ug/L**	**86**		**SW846 8270C**
	ND	**150**	**128**	**ug/L**	**85**	**1.2**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**ND**	**101**	**89.2**	**ug/L**	**89**		**SW846 8270C**
	ND	**100**	**87.4**	**ug/L**	**87**	**2.0**	**SW846 8270C**
Pentachlorophenol	**ND**	**151**	**143**	**ug/L**	**95**		**SW846 8270C**
	ND	**150**	**139**	**ug/L**	**93**	**3.2**	**SW846 8270C**
Phenol	**ND**	**151**	**128**	**ug/L**	**85**		**SW846 8270C**
	ND	**150**	**122**	**ug/L**	**82**	**4.3**	**SW846 8270C**
Pyrene	**ND**	**101**	**81.4**	**ug/L**	**81**		**SW846 8270C**
	ND	**100**	**79.4**	**ug/L**	**79**	**2.5**	**SW846 8270C**
1,2,4-Trichloro-benzene	**ND**	**101**	**74.2**	**ug/L**	**74**		**SW846 8270C**
	ND	**100**	**73.0**	**ug/L**	**73**	**1.7**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	86	(40 - 120)
	83	(40 - 120)
Phenol-d5	89	(51 - 120)
	85	(51 - 120)
Nitrobenzene-d5	86	(47 - 120)
	84	(47 - 120)
2-Fluorobiphenyl	76	(42 - 120)
	77	(42 - 120)
2,4,6-Tribromophenol	76	(47 - 120)
	73	(47 - 120)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H63AV1AF-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F080443-001 H63AV1AG-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	83	(30 - 127)
	80	(30 - 127)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H60K51AA **Matrix.....:** WATER
MB Lot-Sample #: D6F080000-184

Prep Date.....: 06/08/06 **Analysis Time..:** 00:47
Analysis Date..: 06/14/06 **Prep Batch #...:** 6159184
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aldrin	ND	0.050	ug/L	SW846 8081A
alpha-BHC	ND	0.050	ug/L	SW846 8081A
beta-BHC	ND	0.050	ug/L	SW846 8081A
delta-BHC	ND	0.050	ug/L	SW846 8081A
gamma-BHC (Lindane)	ND	0.050	ug/L	SW846 8081A
alpha-Chlordane	ND	0.050	ug/L	SW846 8081A
gamma-Chlordane	ND	0.050	ug/L	SW846 8081A
4,4'-DDD	ND	0.050	ug/L	SW846 8081A
4,4'-DDE	ND	0.050	ug/L	SW846 8081A
4,4'-DDT	ND	0.050	ug/L	SW846 8081A
Diallate	ND	1.0	ug/L	SW846 8081A
Dieldrin	ND	0.050	ug/L	SW846 8081A
Endosulfan I	ND	0.050	ug/L	SW846 8081A
Endosulfan II	ND	0.050	ug/L	SW846 8081A
Endosulfan sulfate	ND	0.050	ug/L	SW846 8081A
Endrin	ND	0.050	ug/L	SW846 8081A
Endrin aldehyde	ND	0.050	ug/L	SW846 8081A
Endrin ketone	ND	0.050	ug/L	SW846 8081A
Heptachlor	ND	0.050	ug/L	SW846 8081A
Heptachlor epoxide	ND	0.050	ug/L	SW846 8081A
Isodrin	ND	0.10	ug/L	SW846 8081A
Kepone	ND	1.0	ug/L	SW846 8081A
Methoxychlor	ND	0.10	ug/L	SW846 8081A
Toxaphene	ND	5.0	ug/L	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	89	(20 - 144)
Tetrachloro-m-xylene	78	(25 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H66E11AA **Matrix.....:** WATER
MB Lot-Sample #: D6F090000-554

Prep Date.....: 06/10/06 **Analysis Time..:** 10:03
Analysis Date..: 06/14/06 **Prep Batch #...:** 6160554
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aldrin	ND	0.050	ug/L	SW846 8081A
alpha-BHC	ND	0.050	ug/L	SW846 8081A
beta-BHC	ND	0.050	ug/L	SW846 8081A
delta-BHC	ND	0.050	ug/L	SW846 8081A
gamma-BHC (Lindane)	ND	0.050	ug/L	SW846 8081A
alpha-Chlordane	ND	0.050	ug/L	SW846 8081A
gamma-Chlordane	ND	0.050	ug/L	SW846 8081A
4,4'-DDD	ND	0.050	ug/L	SW846 8081A
4,4'-DDE	ND	0.050	ug/L	SW846 8081A
4,4'-DDT	ND	0.050	ug/L	SW846 8081A
Diallate	ND	1.0	ug/L	SW846 8081A
Dieldrin	ND	0.050	ug/L	SW846 8081A
Endosulfan I	ND	0.050	ug/L	SW846 8081A
Endosulfan II	ND	0.050	ug/L	SW846 8081A
Endosulfan sulfate	ND	0.050	ug/L	SW846 8081A
Endrin	ND	0.050	ug/L	SW846 8081A
Endrin aldehyde	ND	0.050	ug/L	SW846 8081A
Endrin ketone	ND	0.050	ug/L	SW846 8081A
Heptachlor	ND	0.050	ug/L	SW846 8081A
Heptachlor epoxide	ND	0.050	ug/L	SW846 8081A
Isodrin	ND	0.10	ug/L	SW846 8081A
Kepone	ND	1.0	ug/L	SW846 8081A
Methoxychlor	ND	0.10	ug/L	SW846 8081A
Toxaphene	ND	5.0	ug/L	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	84	(20 - 144)
Tetrachloro-m-xylene	70	(25 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H60K51AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F080000-184 H60K51AD-LCSD
Prep Date.....: 06/08/06 **Analysis Date..:** 06/13/06
Prep Batch #...: 6159184 **Analysis Time..:** 19:51
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aldrin	**74**	**(46 - 119)**			**SW846 8081A**
	74	**(46 - 119)**	**0.69**	**(0-33)**	**SW846 8081A**
gamma-BHC (Lindane)	**87**	**(68 - 119)**			**SW846 8081A**
	85	**(68 - 119)**	**2.4**	**(0-26)**	**SW846 8081A**
4,4'-DDT	**90**	**(52 - 128)**			**SW846 8081A**
	90	**(52 - 128)**	**0.61**	**(0-50)**	**SW846 8081A**
Dieldrin	**90**	**(71 - 121)**			**SW846 8081A**
	88	**(71 - 121)**	**2.5**	**(0-22)**	**SW846 8081A**
Endrin	**87**	**(59 - 133)**			**SW846 8081A**
	85	**(59 - 133)**	**1.7**	**(0-39)**	**SW846 8081A**
Heptachlor	**79**	**(51 - 117)**			**SW846 8081A**
	77	**(51 - 117)**	**2.1**	**(0-27)**	**SW846 8081A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	94	(53 - 127)
	94	(53 - 127)
Tetrachloro-m-xylene	74	(42 - 114)
	69	(42 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H60K51AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F080000-184 H60K51AD-LCSD
Prep Date.....: 06/08/06 **Analysis Date..:** 06/13/06
Prep Batch #...: 6159184 **Analysis Time..:** 19:51
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Aldrin	**0.500**	**0.370**	**ug/L**	**74**		**SW846 8081A**
	0.500	**0.368**	**ug/L**	**74**	**0.69**	**SW846 8081A**
gamma-BHC (Lindane)	**0.500**	**0.435**	**ug/L**	**87**		**SW846 8081A**
	0.500	**0.424**	**ug/L**	**85**	**2.4**	**SW846 8081A**
4,4'-DDT	**0.500**	**0.451**	**ug/L**	**90**		**SW846 8081A**
	0.500	**0.448**	**ug/L**	**90**	**0.61**	**SW846 8081A**
Dieldrin	**0.500**	**0.452**	**ug/L**	**90**		**SW846 8081A**
	0.500	**0.441**	**ug/L**	**88**	**2.5**	**SW846 8081A**
Endrin	**0.500**	**0.434**	**ug/L**	**87**		**SW846 8081A**
	0.500	**0.426**	**ug/L**	**85**	**1.7**	**SW846 8081A**
Heptachlor	**0.500**	**0.395**	**ug/L**	**79**		**SW846 8081A**
	0.500	**0.387**	**ug/L**	**77**	**2.1**	**SW846 8081A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	94	(53 - 127)
	94	(53 - 127)
Tetrachloro-m-xylene	74	(42 - 114)
	69	(42 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H66E11AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F090000-554 H66E11AD-LCSD
Prep Date.....: 06/10/06 **Analysis Date..:** 06/13/06
Prep Batch #...: 6160554 **Analysis Time..:** 20:57
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aldrin	**79**	**(46 - 119)**			**SW846 8081A**
	77	**(46 - 119)**	**2.5**	**(0-33)**	**SW846 8081A**
gamma-BHC (Lindane)	**88**	**(68 - 119)**			**SW846 8081A**
	85	**(68 - 119)**	**2.5**	**(0-26)**	**SW846 8081A**
4,4'-DDT	**91**	**(52 - 128)**			**SW846 8081A**
	89	**(52 - 128)**	**2.2**	**(0-50)**	**SW846 8081A**
Dieldrin	**91**	**(71 - 121)**			**SW846 8081A**
	90	**(71 - 121)**	**1.0**	**(0-22)**	**SW846 8081A**
Endrin	**87**	**(59 - 133)**			**SW846 8081A**
	86	**(59 - 133)**	**0.50**	**(0-39)**	**SW846 8081A**
Heptachlor	**83**	**(51 - 117)**			**SW846 8081A**
	81	**(51 - 117)**	**2.7**	**(0-27)**	**SW846 8081A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	86	(53 - 127)
	92	(53 - 127)
Tetrachloro-m-xylene	78	(42 - 114)
	77	(42 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H66E11AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F090000-554 H66E11AD-LCSD
Prep Date.....: 06/10/06 **Analysis Date..:** 06/13/06
Prep Batch #...: 6160554 **Analysis Time..:** 20:57
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Aldrin	**0.500**	**0.394**	**ug/L**	**79**		**SW846 8081A**
	0.500	**0.384**	**ug/L**	**77**	**2.5**	**SW846 8081A**
gamma-BHC (Lindane)	**0.500**	**0.438**	**ug/L**	**88**		**SW846 8081A**
	0.500	**0.427**	**ug/L**	**85**	**2.5**	**SW846 8081A**
4,4'-DDT	**0.500**	**0.455**	**ug/L**	**91**		**SW846 8081A**
	0.500	**0.445**	**ug/L**	**89**	**2.2**	**SW846 8081A**
Dieldrin	**0.500**	**0.453**	**ug/L**	**91**		**SW846 8081A**
	0.500	**0.449**	**ug/L**	**90**	**1.0**	**SW846 8081A**
Endrin	**0.500**	**0.434**	**ug/L**	**87**		**SW846 8081A**
	0.500	**0.432**	**ug/L**	**86**	**0.50**	**SW846 8081A**
Heptachlor	**0.500**	**0.417**	**ug/L**	**83**		**SW846 8081A**
	0.500	**0.406**	**ug/L**	**81**	**2.7**	**SW846 8081A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	86	(53 - 127)
	92	(53 - 127)
Tetrachloro-m-xylene	78	(42 - 114)
	77	(42 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H61VN1EF-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F080262-004 H61VN1EG-MSD
Date Sampled...: 06/06/06 13:15 **Date Received..:** 06/08/06
Prep Date.....: 06/10/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6160554 **Analysis Time..:** 06:46
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aldrin	**90**	**(49 - 112)**			**SW846 8081A**
	86	**(49 - 112)**	**9.3**	**(0-41)**	**SW846 8081A**
gamma-BHC (Lindane)	**93**	**(51 - 123)**			**SW846 8081A**
	90	**(51 - 123)**	**7.3**	**(0-33)**	**SW846 8081A**
4,4'-DDT	**93**	**(37 - 127)**			**SW846 8081A**
	90	**(37 - 127)**	**8.9**	**(0-39)**	**SW846 8081A**
Dieldrin	**95**	**(56 - 121)**			**SW846 8081A**
	93	**(56 - 121)**	**6.9**	**(0-32)**	**SW846 8081A**
Endrin	**93**	**(55 - 121)**			**SW846 8081A**
	91	**(55 - 121)**	**7.3**	**(0-39)**	**SW846 8081A**
Heptachlor	**93**	**(37 - 130)**			**SW846 8081A**
	89	**(37 - 130)**	**8.7**	**(0-32)**	**SW846 8081A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	84	(20 - 144)
	91	(20 - 144)
Tetrachloro-m-xylene	89	(25 - 132)
	85	(25 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H61VN1EF-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F080262-004 H61VN1EG-MSD
Date Sampled...: 06/06/06 13:15 **Date Received..:** 06/08/06
Prep Date.....: 06/10/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6160554 **Analysis Time..:** 06:46
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Aldrin	**ND**	**0.515**	**0.463**	**ug/L**	**90**		**SW846 8081A**
	ND	**0.490**	**0.422**	**ug/L**	**86**	**9.3**	**SW846 8081A**
gamma-BHC (Lindane)	**ND**	**0.515**	**0.477**	**ug/L**	**93**		**SW846 8081A**
	ND	**0.490**	**0.443**	**ug/L**	**90**	**7.3**	**SW846 8081A**
4,4'-DDT	**ND**	**0.515**	**0.480**	**ug/L**	**93**		**SW846 8081A**
	ND	**0.490**	**0.439**	**ug/L**	**90**	**8.9**	**SW846 8081A**
Dieldrin	**ND**	**0.515**	**0.490**	**ug/L**	**95**		**SW846 8081A**
	ND	**0.490**	**0.458**	**ug/L**	**93**	**6.9**	**SW846 8081A**
Endrin	**ND**	**0.515**	**0.478**	**ug/L**	**93**		**SW846 8081A**
	ND	**0.490**	**0.445**	**ug/L**	**91**	**7.3**	**SW846 8081A**
Heptachlor	**ND**	**0.515**	**0.477**	**ug/L**	**93**		**SW846 8081A**
	ND	**0.490**	**0.437**	**ug/L**	**89**	**8.7**	**SW846 8081A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	84	(20 - 144)
	91	(20 - 144)
Tetrachloro-m-xylene	89	(25 - 132)
	85	(25 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H60LG1AA **Matrix.....:** WATER
MB Lot-Sample #: D6F080000-175

Prep Date.....: 06/08/06 **Analysis Time..:** 15:20

Analysis Date..: 06/13/06 **Prep Batch #...:** 6159175
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8082
Aroclor 1221	ND	1.0	ug/L	SW846 8082
Aroclor 1232	ND	1.0	ug/L	SW846 8082
Aroclor 1242	ND	1.0	ug/L	SW846 8082
Aroclor 1248	ND	1.0	ug/L	SW846 8082
Aroclor 1254	ND	1.0	ug/L	SW846 8082
Aroclor 1260	ND	1.0	ug/L	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	79	(51 - 122)
Decachlorobiphenyl	115	(41 - 138)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H66E31AA **Matrix.....:** WATER
MB Lot-Sample #: D6F090000-555

Prep Date.....: 06/10/06 **Analysis Time..:** 22:59

Analysis Date..: 06/14/06 **Prep Batch #...:** 6160555
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8082
Aroclor 1221	ND	1.0	ug/L	SW846 8082
Aroclor 1232	ND	1.0	ug/L	SW846 8082
Aroclor 1242	ND	1.0	ug/L	SW846 8082
Aroclor 1248	ND	1.0	ug/L	SW846 8082
Aroclor 1254	ND	1.0	ug/L	SW846 8082
Aroclor 1260	ND	1.0	ug/L	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	63	(51 - 122)
Decachlorobiphenyl	83	(41 - 138)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H60LG1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F080000-175 H60LG1AD-LCSD
Prep Date.....: 06/08/06 **Analysis Date..:** 06/13/06
Prep Batch #...: 6159175 **Analysis Time..:** 15:37
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**97**	**(61 - 125)**			**SW846 8082**
	91	**(61 - 125)**	**6.5**	**(0-24)**	**SW846 8082**
Aroclor 1260	**112**	**(63 - 129)**			**SW846 8082**
	111	**(63 - 129)**	**1.3**	**(0-24)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	74	(41 - 117)
	74	(41 - 117)
Decachlorobiphenyl	113	(29 - 143)
	117	(29 - 143)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H60LG1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F080000-175 H60LG1AD-LCSD
Prep Date.....: 06/08/06 **Analysis Date..:** 06/13/06
Prep Batch #...: 6159175 **Analysis Time..:** 15:37
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Aroclor 1016	**2.00**	**1.94**	**ug/L**	**97**		**SW846 8082**
	2.00	**1.82**	**ug/L**	**91**	**6.5**	**SW846 8082**
Aroclor 1260	**2.00**	**2.24**	**ug/L**	**112**		**SW846 8082**
	2.00	**2.21**	**ug/L**	**111**	**1.3**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	74	(41 - 117)
	74	(41 - 117)
Decachlorobiphenyl	113	(29 - 143)
	117	(29 - 143)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H66E31AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F090000-555 H66E31AD-LCSD
Prep Date.....: 06/10/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6160555 **Analysis Time..:** 23:16
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**93**	**(61 - 125)**			**SW846 8082**
	79	**(61 - 125)**	**17**	**(0-24)**	**SW846 8082**
Aroclor 1260	**103**	**(63 - 129)**			**SW846 8082**
	96	**(63 - 129)**	**6.8**	**(0-24)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	78	(41 - 117)
	65	(41 - 117)
Decachlorobiphenyl	93	(29 - 143)
	97	(29 - 143)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H66E31AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F090000-555 H66E31AD-LCSD
Prep Date.....: 06/10/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6160555 **Analysis Time..:** 23:16
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Aroclor 1016	**2.00**	**1.87**	**ug/L**	**93**		**SW846 8082**
	2.00	**1.58**	**ug/L**	**79**	**17**	**SW846 8082**
Aroclor 1260	**2.00**	**2.06**	**ug/L**	**103**		**SW846 8082**
	2.00	**1.92**	**ug/L**	**96**	**6.8**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	78	(41 - 117)
	65	(41 - 117)
Decachlorobiphenyl	93	(29 - 143)
	97	(29 - 143)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H61VN1EH-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F080262-004 H61VN1EJ-MSD
Date Sampled...: 06/06/06 13:15 **Date Received..:** 06/08/06
Prep Date.....: 06/10/06 **Analysis Date..:** 06/15/06
Prep Batch #...: 6160555 **Analysis Time..:** 02:19
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**90**	**(53 - 130)**			**SW846 8082**
	87	**(53 - 130)**	**4.2**	**(0-30)**	**SW846 8082**
Aroclor 1260	**109**	**(58 - 150)**			**SW846 8082**
	102	**(58 - 150)**	**7.4**	**(0-30)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	77	(51 - 122)
	78	(51 - 122)
Decachlorobiphenyl	92	(41 - 138)
	93	(41 - 138)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H61VN1EH-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F080262-004 H61VN1EJ-MSD
Date Sampled...: 06/06/06 13:15 **Date Received..:** 06/08/06
Prep Date.....: 06/10/06 **Analysis Date..:** 06/15/06
Prep Batch #...: 6160555 **Analysis Time..:** 02:19
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Aroclor 1016	**ND**	**1.95**	**1.77**	**ug/L**	**90**		**SW846 8082**
	ND	**1.94**	**1.69**	**ug/L**	**87**	**4.2**	**SW846 8082**
Aroclor 1260	**ND**	**1.95**	**2.14**	**ug/L**	**109**		**SW846 8082**
	ND	**1.94**	**1.98**	**ug/L**	**102**	**7.4**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	77	(51 - 122)
	78	(51 - 122)
Decachlorobiphenyl	92	(41 - 138)
	93	(41 - 138)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H63MC1AA **Matrix.....:** WATER
MB Lot-Sample #: D6F090000-093

Prep Date.....: 06/09/06 **Analysis Time..:** 00:44

Analysis Date..: 06/15/06 **Prep Batch #...:** 6160093
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4-D	ND	4.0	ug/L	SW846 8151A
Dinoseb	ND	0.60	ug/L	SW846 8151A
2,4,5-TP (Silvex)	ND	1.0	ug/L	SW846 8151A
2,4,5-T	ND	1.0	ug/L	SW846 8151A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
DCAA	86	(46 - 152)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H63MC1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F090000-093 H63MC1AD-LCSD
Prep Date.....: 06/09/06 **Analysis Date..:** 06/15/06
Prep Batch #...: 6160093 **Analysis Time..:** 01:24
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2,4-D	**54**	**(10 - 135)**			**SW846 8151A**
	54	**(10 - 135)**	**0.36**	**(0-30)**	**SW846 8151A**
2,4,5-TP (Silvex)	**96**	**(54 - 160)**			**SW846 8151A**
	76	**(54 - 160)**	**23**	**(0-30)**	**SW846 8151A**
2,4,5-T	**78**	**(17 - 161)**			**SW846 8151A**
	71	**(17 - 161)**	**9.4**	**(0-30)**	**SW846 8151A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
DCAA	95	(46 - 152)
	76	(46 - 152)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H63MC1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F090000-093 H63MC1AD-LCSD
Prep Date.....: 06/09/06 **Analysis Date..:** 06/15/06
Prep Batch #...: 6160093 **Analysis Time..:** 01:24
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2,4-D	**4.57**	**2.46**	**ug/L**	**54**		**SW846 8151A**
	4.57	**2.47**	**ug/L**	**54**	**0.36**	**SW846 8151A**
2,4,5-TP (Silvex)	**4.57**	**4.38**	**ug/L**	**96**		**SW846 8151A**
	4.57	**3.46**	**ug/L**	**76**	**23**	**SW846 8151A**
2,4,5-T	**4.62**	**3.60**	**ug/L**	**78**		**SW846 8151A**
	4.62	**3.28**	**ug/L**	**71**	**9.4**	**SW846 8151A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
DCAA	95	(46 - 152)
	76	(46 - 152)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H61VN1EK-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F080262-004 H61VN1EL-MSD
Date Sampled...: 06/06/06 13:15 **Date Received..:** 06/08/06
Prep Date.....: 06/09/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6160093 **Analysis Time..:** 23:22
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2,4-D	**78**	**(10 - 135)**			**SW846 8151A**
	63	**(10 - 135)**	**21**	**(0-30)**	**SW846 8151A**
2,4,5-TP (Silvex)	**101**	**(54 - 160)**			**SW846 8151A**
	84	**(54 - 160)**	**18**	**(0-30)**	**SW846 8151A**
2,4,5-T	**98**	**(17 - 161)**			**SW846 8151A**
	80	**(17 - 161)**	**20**	**(0-30)**	**SW846 8151A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
DCAA	100	(46 - 152)
	84	(46 - 152)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: CANNON9 **Work Order #...:** H61VN1EK-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F080262-004 H61VN1EL-MSD
Date Sampled...: 06/06/06 13:15 **Date Received..:** 06/08/06
Prep Date.....: 06/09/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6160093 **Analysis Time..:** 23:22
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2,4-D	**ND**	**4.38**	**3.44**	**ug/L**	**78**		**SW846 8151A**
	ND	**4.42**	**2.78**	**ug/L**	**63**	**21**	**SW846 8151A**
2,4,5-TP (Silvex)	**ND**	**4.38**	**4.43**	**ug/L**	**101**		**SW846 8151A**
	ND	**4.42**	**3.72**	**ug/L**	**84**	**18**	**SW846 8151A**
2,4,5-T	**ND**	**4.43**	**4.34**	**ug/L**	**98**		**SW846 8151A**
	ND	**4.46**	**3.56**	**ug/L**	**80**	**20**	**SW846 8151A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
DCAA	100	(46 - 152)
	84	(46 - 152)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: CANNON9 **Work Order #...:** H7G3K1AA **Matrix.....:** WATER
MB Lot-Sample #: G6F150000-384

Prep Date.....: 06/15/06 **Analysis Time..:** 08:41
Analysis Date..: 06/27/06 **Prep Batch #...:** 6166384
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
Total HxCDD	ND	0.23	ng/L	SW846 8280A
Total HxCDF	ND	0.19	ng/L	SW846 8280A
Total PeCDD	ND	0.76	ng/L	SW846 8280A
Total PeCDF	ND	0.21	ng/L	SW846 8280A
2,3,7,8-TCDD	ND	0.22	ng/L	SW846 8280A
Total TCDD	ND	0.22	ng/L	SW846 8280A
Total TCDF	ND	0.63	ng/L	SW846 8280A

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	75	(25 - 150)
13C-2,3,7,8-TCDF	74	(25 - 150)
13C-1,2,3,6,7,8-HxCDD	85	(25 - 150)
13C-1,2,3,4,6,7,8-HpCDF	86	(25 - 150)
13C-OCDD	88	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	86	(25 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: CANNON9 **Work Order #...:** H7G341AA **Matrix.....:** WATER
MB Lot-Sample #: G6F150000-386

Prep Date.....: 06/15/06 **Analysis Time..:** 18:49

Analysis Date..: 06/26/06 **Prep Batch #...:** 6166386
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
Total HxCDD	ND	0.12	ng/L	SW846 8280A
Total HxCDF	ND	0.16	ng/L	SW846 8280A
Total PeCDD	ND	0.60	ng/L	SW846 8280A
Total PeCDF	ND	0.18	ng/L	SW846 8280A
2,3,7,8-TCDD	ND	0.16	ng/L	SW846 8280A
Total TCDD	ND	0.16	ng/L	SW846 8280A
Total TCDF	ND	0.11	ng/L	SW846 8280A

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	71	(25 - 150)
13C-2,3,7,8-TCDF	65	(25 - 150)
13C-1,2,3,6,7,8-HxCDD	78	(25 - 150)
13C-1,2,3,4,6,7,8-HpCDF	78	(25 - 150)
13C-OCDD	84	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	82	(25 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: CANNON9 **Work Order #...:** H7G3K1AC **Matrix.....:** WATER
LCS Lot-Sample#: G6F150000-384
Prep Date.....: 06/15/06 **Analysis Date..:** 06/27/06
Prep Batch #...: 6166384 **Analysis Time..:** 09:30
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,2,3,7,8-PeCDD	**113**	**(68 - 140)**	**SW846 8280A**
1,2,3,4,7,8-HxCDD	**107**	**(66 - 126)**	**SW846 8280A**
1,2,3,6,7,8-HxCDD	**112**	**(68 - 128)**	**SW846 8280A**
1,2,3,7,8,9-HxCDD	**110**	**(68 - 128)**	**SW846 8280A**
1,2,3,4,6,7,8-HpCDD	**110**	**(67 - 127)**	**SW846 8280A**
OCDD	**100**	**(67 - 127)**	**SW846 8280A**
2,3,7,8-TCDF	**112**	**(70 - 130)**	**SW846 8280A**
1,2,3,7,8-PeCDF	**115**	**(69 - 138)**	**SW846 8280A**
2,3,4,7,8-PeCDF	**114**	**(69 - 137)**	**SW846 8280A**
1,2,3,4,7,8-HxCDF	**105**	**(64 - 129)**	**SW846 8280A**
1,2,3,6,7,8-HxCDF	**108**	**(68 - 128)**	**SW846 8280A**
2,3,4,6,7,8-HxCDF	**106**	**(71 - 131)**	**SW846 8280A**
1,2,3,7,8,9-HxCDF	**108**	**(70 - 130)**	**SW846 8280A**
1,2,3,4,6,7,8-HpCDF	**106**	**(68 - 128)**	**SW846 8280A**
1,2,3,4,7,8,9-HpCDF	**107**	**(69 - 129)**	**SW846 8280A**
2,3,7,8-TCDD	**111**	**(65 - 135)**	**SW846 8280A**
OCDF	**103**	**(66 - 126)**	**SW846 8280A**

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	80	(25 - 150)
13C-2,3,7,8-TCDF	77	(25 - 150)
13C-1,2,3,6,7,8-HxCDD	85	(25 - 150)
13C-1,2,3,4,6,7,8-HpCDF	88	(25 - 150)
13C-OCDD	91	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	95	(25 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: CANNON9 **Work Order #...:** H7G3K1AC **Matrix.....:** WATER
LCS Lot-Sample#: G6F150000-384
Prep Date.....: 06/15/06 **Analysis Date..:** 06/27/06
Prep Batch #...: 6166384 **Analysis Time..:** 09:30
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,2,3,7,8-PeCDD	**62.5**	**70.8**	**ng/L**	**113**	**SW846 8280A**
1,2,3,4,7,8-HxCDD	**62.5**	**66.9**	**ng/L**	**107**	**SW846 8280A**
1,2,3,6,7,8-HxCDD	**62.5**	**70.3**	**ng/L**	**112**	**SW846 8280A**
1,2,3,7,8,9-HxCDD	**62.5**	**68.9**	**ng/L**	**110**	**SW846 8280A**
1,2,3,4,6,7,8-HpCDD	**62.5**	**68.7**	**ng/L**	**110**	**SW846 8280A**
OCDD	**125**	**125**	**ng/L**	**100**	**SW846 8280A**
2,3,7,8-TCDF	**25.0**	**28.1**	**ng/L**	**112**	**SW846 8280A**
1,2,3,7,8-PeCDF	**62.5**	**72.1**	**ng/L**	**115**	**SW846 8280A**
2,3,4,7,8-PeCDF	**62.5**	**70.9**	**ng/L**	**114**	**SW846 8280A**
1,2,3,4,7,8-HxCDF	**62.5**	**65.7**	**ng/L**	**105**	**SW846 8280A**
1,2,3,6,7,8-HxCDF	**62.5**	**67.6**	**ng/L**	**108**	**SW846 8280A**
2,3,4,6,7,8-HxCDF	**62.5**	**66.0**	**ng/L**	**106**	**SW846 8280A**
1,2,3,7,8,9-HxCDF	**62.5**	**67.5**	**ng/L**	**108**	**SW846 8280A**
1,2,3,4,6,7,8-HpCDF	**62.5**	**66.4**	**ng/L**	**106**	**SW846 8280A**
1,2,3,4,7,8,9-HpCDF	**62.5**	**67.0**	**ng/L**	**107**	**SW846 8280A**
2,3,7,8-TCDD	**25.0**	**27.7**	**ng/L**	**111**	**SW846 8280A**
OCDF	**125**	**128**	**ng/L**	**103**	**SW846 8280A**

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	80	(25 - 150)
13C-2,3,7,8-TCDF	77	(25 - 150)
13C-1,2,3,6,7,8-HxCDD	85	(25 - 150)
13C-1,2,3,4,6,7,8-HpCDF	88	(25 - 150)
13C-OCDD	91	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	95	(25 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: CANNON9 **Work Order #...:** H7G341AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: G6F150000-386 H7G341AD-LCSD
Prep Date.....: 06/15/06 **Analysis Date..:** 06/26/06
Prep Batch #...: 6166386 **Analysis Time..:** 19:38
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2,3,7,8-PeCDD	120	(68 - 140)			SW846 8280A
	123	(68 - 140)	2.1	(0-72)	SW846 8280A
1,2,3,4,7,8-HxCDD	99	(66 - 126)			SW846 8280A
	99	(66 - 126)	0.14	(0-27)	SW846 8280A
1,2,3,6,7,8-HxCDD	98	(68 - 128)			SW846 8280A
	99	(68 - 128)	0.89	(0-24)	SW846 8280A
1,2,3,7,8,9-HxCDD	96	(68 - 128)			SW846 8280A
	99	(68 - 128)	2.3	(0-24)	SW846 8280A
1,2,3,4,6,7,8-HpCDD	102	(67 - 127)			SW846 8280A
	101	(67 - 127)	1.2	(0-20)	SW846 8280A
OCDD	96	(67 - 127)			SW846 8280A
	94	(67 - 127)	1.8	(0-21)	SW846 8280A
2,3,7,8-TCDF	108	(70 - 130)			SW846 8280A
	110	(70 - 130)	2.0	(0-57)	SW846 8280A
1,2,3,7,8-PeCDF	125	(69 - 138)			SW846 8280A
	124	(69 - 138)	0.97	(0-64)	SW846 8280A
2,3,4,7,8-PeCDF	115	(69 - 137)			SW846 8280A
	119	(69 - 137)	3.2	(0-53)	SW846 8280A
1,2,3,4,7,8-HxCDF	103	(64 - 129)			SW846 8280A
	103	(64 - 129)	0.21	(0-19)	SW846 8280A
1,2,3,6,7,8-HxCDF	104	(68 - 128)			SW846 8280A
	105	(68 - 128)	1.7	(0-32)	SW846 8280A
2,3,4,6,7,8-HxCDF	99	(71 - 131)			SW846 8280A
	104	(71 - 131)	4.9	(0-32)	SW846 8280A
1,2,3,7,8,9-HxCDF	101	(70 - 130)			SW846 8280A
	104	(70 - 130)	3.4	(0-27)	SW846 8280A
1,2,3,4,6,7,8-HpCDF	107	(68 - 128)			SW846 8280A
	108	(68 - 128)	0.31	(0-23)	SW846 8280A
1,2,3,4,7,8,9-HpCDF	106	(69 - 129)			SW846 8280A
	108	(69 - 129)	1.7	(0-20)	SW846 8280A
2,3,7,8-TCDD	109	(65 - 135)			SW846 8280A
	111	(65 - 135)	1.6	(0-57)	SW846 8280A
OCDF	100	(66 - 126)			SW846 8280A
	98	(66 - 126)	2.2	(0-24)	SW846 8280A

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: CANNON9 **Work Order #...:** H7G341AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: G6F150000-386 H7G341AD-LCSD

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	70	(25 - 150)
	81	(25 - 150)
13C-2,3,7,8-TCDF	68	(25 - 150)
	76	(25 - 150)
13C-1,2,3,6,7,8-HxCDD	82	(25 - 150)
	91	(25 - 150)
13C-1,2,3,4,6,7,8-HpCDF	80	(25 - 150)
	86	(25 - 150)
13C-OCDD	90	(25 - 150)
	99	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	80	(25 - 150)
	95	(25 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: CANNON9 **Work Order #...:** H7G341AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: G6F150000-386 H7G341AD-LCSD
Prep Date.....: 06/15/06 **Analysis Date..:** 06/26/06
Prep Batch #...: 6166386 **Analysis Time..:** 19:38
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,2,3,7,8-PeCDD	62.5	75.1	ng/L	120		SW846 8280A
	62.5	76.7	ng/L	123	2.1	SW846 8280A
1,2,3,4,7,8-HxCDD	62.5	62.0	ng/L	99		SW846 8280A
	62.5	62.1	ng/L	99	0.14	SW846 8280A
1,2,3,6,7,8-HxCDD	62.5	61.5	ng/L	98		SW846 8280A
	62.5	62.0	ng/L	99	0.89	SW846 8280A
1,2,3,7,8,9-HxCDD	62.5	60.2	ng/L	96		SW846 8280A
	62.5	61.6	ng/L	99	2.3	SW846 8280A
1,2,3,4,6,7,8-HpCDD	62.5	63.8	ng/L	102		SW846 8280A
	62.5	63.1	ng/L	101	1.2	SW846 8280A
OCDD	125	120	ng/L	96		SW846 8280A
	125	117	ng/L	94	1.8	SW846 8280A
2,3,7,8-TCDF	25.0	27.1	ng/L	108		SW846 8280A
	25.0	27.6	ng/L	110	2.0	SW846 8280A
1,2,3,7,8-PeCDF	62.5	78.3	ng/L	125		SW846 8280A
	62.5	77.6	ng/L	124	0.97	SW846 8280A
2,3,4,7,8-PeCDF	62.5	71.9	ng/L	115		SW846 8280A
	62.5	74.2	ng/L	119	3.2	SW846 8280A
1,2,3,4,7,8-HxCDF	62.5	64.3	ng/L	103		SW846 8280A
	62.5	64.4	ng/L	103	0.21	SW846 8280A
1,2,3,6,7,8-HxCDF	62.5	64.8	ng/L	104		SW846 8280A
	62.5	65.9	ng/L	105	1.7	SW846 8280A
2,3,4,6,7,8-HxCDF	62.5	61.6	ng/L	99		SW846 8280A
	62.5	64.7	ng/L	104	4.9	SW846 8280A
1,2,3,7,8,9-HxCDF	62.5	62.9	ng/L	101		SW846 8280A
	62.5	65.1	ng/L	104	3.4	SW846 8280A
1,2,3,4,6,7,8-HpCDF	62.5	67.0	ng/L	107		SW846 8280A
	62.5	67.2	ng/L	108	0.31	SW846 8280A
1,2,3,4,7,8,9-HpCDF	62.5	66.3	ng/L	106		SW846 8280A
	62.5	67.5	ng/L	108	1.7	SW846 8280A
2,3,7,8-TCDD	25.0	27.2	ng/L	109		SW846 8280A
	25.0	27.7	ng/L	111	1.6	SW846 8280A
OCDF	125	125	ng/L	100		SW846 8280A
	125	122	ng/L	98	2.2	SW846 8280A

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LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: CANNON9 **Work Order #...:** H7G341AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: G6F150000-386 H7G341AD-LCSD

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	70	(25 - 150)
	81	(25 - 150)
13C-2,3,7,8-TCDF	68	(25 - 150)
	76	(25 - 150)
13C-1,2,3,6,7,8-HxCDD	82	(25 - 150)
	91	(25 - 150)
13C-1,2,3,4,6,7,8-HpCDF	80	(25 - 150)
	86	(25 - 150)
13C-OCDD	90	(25 - 150)
	99	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	80	(25 - 150)
	95	(25 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: CANNON9 **Work Order #...:** H61VN1C2-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F080262-004 H61VN1C3-MSD
Date Sampled...: 06/06/06 13:15 **Date Received..:** 06/08/06
Prep Date.....: 06/15/06 **Analysis Date..:** 06/27/06
Prep Batch #...: 6166386 **Analysis Time..:** 00:31
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2,3,7,8-PeCDD	130	(68 - 140)			SW846 8280A
	148 a	(68 - 140)	13	(0-72)	SW846 8280A
1,2,3,4,7,8-HxCDD	106	(66 - 126)			SW846 8280A
	111	(66 - 126)	4.2	(0-27)	SW846 8280A
1,2,3,6,7,8-HxCDD	104	(68 - 128)			SW846 8280A
	114	(68 - 128)	9.1	(0-24)	SW846 8280A
1,2,3,7,8,9-HxCDD	103	(68 - 128)			SW846 8280A
	110	(68 - 128)	6.6	(0-24)	SW846 8280A
1,2,3,4,6,7,8-HpCDD	110	(67 - 127)			SW846 8280A
	119	(67 - 127)	7.8	(0-20)	SW846 8280A
OCDD	101	(67 - 127)			SW846 8280A
	111	(67 - 127)	9.0	(0-21)	SW846 8280A
2,3,7,8-TCDF	111	(70 - 130)			SW846 8280A
	121	(70 - 130)	9.2	(0-57)	SW846 8280A
1,2,3,7,8-PeCDF	130	(69 - 138)			SW846 8280A
	141 a	(69 - 138)	8.3	(0-64)	SW846 8280A
2,3,4,7,8-PeCDF	120	(69 - 137)			SW846 8280A
	127	(69 - 137)	5.3	(0-53)	SW846 8280A
1,2,3,4,7,8-HxCDF	106	(64 - 129)			SW846 8280A
	116	(64 - 129)	9.4	(0-19)	SW846 8280A
1,2,3,6,7,8-HxCDF	110	(68 - 128)			SW846 8280A
	118	(68 - 128)	7.4	(0-32)	SW846 8280A
2,3,4,6,7,8-HxCDF	101	(71 - 131)			SW846 8280A
	110	(71 - 131)	9.0	(0-32)	SW846 8280A
1,2,3,7,8,9-HxCDF	105	(70 - 130)			SW846 8280A
	114	(70 - 130)	8.0	(0-27)	SW846 8280A
1,2,3,4,6,7,8-HpCDF	113	(68 - 128)			SW846 8280A
	124	(68 - 128)	9.1	(0-23)	SW846 8280A
1,2,3,4,7,8,9-HpCDF	113	(69 - 129)			SW846 8280A
	122	(69 - 129)	7.5	(0-20)	SW846 8280A
2,3,7,8-TCDD	114	(65 - 135)			SW846 8280A
	127	(65 - 135)	11	(0-57)	SW846 8280A
OCDF	106	(66 - 126)			SW846 8280A
	116	(66 - 126)	8.8	(0-24)	SW846 8280A

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	68	(25 - 150)
	57	(25 - 150)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: CANNON9 **Work Order #...:** H61VN1C2-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F080262-004 H61VN1C3-MSD

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDF	67	(25 - 150)
	57	(25 - 150)
13C-1,2,3,6,7,8-HxCDD	79	(25 - 150)
	68	(25 - 150)
13C-1,2,3,4,6,7,8-HpCDF	78	(25 - 150)
	67	(25 - 150)
13C-OCDD	90	(25 - 150)
	76	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	78	(25 - 150)
	74	(25 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: CANNON9 **Work Order #...:** H61VN1C2-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F080262-004 H61VN1C3-MSD
Date Sampled...: 06/06/06 13:15 **Date Received..:** 06/08/06
Prep Date.....: 06/15/06 **Analysis Date..:** 06/27/06
Prep Batch #...: 6166386 **Analysis Time..:** 00:31
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,2,3,7,8-PeCDD	ND	62.5	81.2	ng/L	130		SW846 8280A
	ND	62.5	92.3	ng/L	148 a	13	SW846 8280A
1,2,3,4,7,8-HxCDD	ND	62.5	66.4	ng/L	106		SW846 8280A
	ND	62.5	69.3	ng/L	111	4.2	SW846 8280A
1,2,3,6,7,8-HxCDD	ND	62.5	65.1	ng/L	104		SW846 8280A
	ND	62.5	71.3	ng/L	114	9.1	SW846 8280A
1,2,3,7,8,9-HxCDD	ND	62.5	64.2	ng/L	103		SW846 8280A
	ND	62.5	68.5	ng/L	110	6.6	SW846 8280A
1,2,3,4,6,7,8-HpCDD	ND	62.5	68.9	ng/L	110		SW846 8280A
	ND	62.5	74.5	ng/L	119	7.8	SW846 8280A
OCDD	ND	125	126	ng/L	101		SW846 8280A
	ND	125	138	ng/L	111	9.0	SW846 8280A
2,3,7,8-TCDF	ND	25.0	27.7	ng/L	111		SW846 8280A
	ND	25.0	30.4	ng/L	121	9.2	SW846 8280A
1,2,3,7,8-PeCDF	ND	62.5	81.0	ng/L	130		SW846 8280A
	ND	62.5	88.1	ng/L	141 a	8.3	SW846 8280A
2,3,4,7,8-PeCDF	ND	62.5	75.1	ng/L	120		SW846 8280A
	ND	62.5	79.3	ng/L	127	5.3	SW846 8280A
1,2,3,4,7,8-HxCDF	ND	62.5	66.0	ng/L	106		SW846 8280A
	ND	62.5	72.6	ng/L	116	9.4	SW846 8280A
1,2,3,6,7,8-HxCDF	ND	62.5	68.6	ng/L	110		SW846 8280A
	ND	62.5	73.8	ng/L	118	7.4	SW846 8280A
2,3,4,6,7,8-HxCDF	ND	62.5	63.0	ng/L	101		SW846 8280A
	ND	62.5	68.9	ng/L	110	9.0	SW846 8280A
1,2,3,7,8,9-HxCDF	ND	62.5	65.7	ng/L	105		SW846 8280A
	ND	62.5	71.2	ng/L	114	8.0	SW846 8280A
1,2,3,4,6,7,8-HpCDF	ND	62.5	70.9	ng/L	113		SW846 8280A
	ND	62.5	77.7	ng/L	124	9.1	SW846 8280A
1,2,3,4,7,8,9-HpCDF	ND	62.5	70.7	ng/L	113		SW846 8280A
	ND	62.5	76.2	ng/L	122	7.5	SW846 8280A
2,3,7,8-TCDD	ND	25.0	28.5	ng/L	114		SW846 8280A
	ND	25.0	31.7	ng/L	127	11	SW846 8280A
OCDF	ND	125	133	ng/L	106		SW846 8280A
	ND	125	145	ng/L	116	8.8	SW846 8280A

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	68	(25 - 150)
	57	(25 - 150)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: CANNON9 **Work Order #...:** H61VN1C2-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F080262-004 H61VN1C3-MSD

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDF	67	(25 - 150)
	57	(25 - 150)
13C-1,2,3,6,7,8-HxCDD	79	(25 - 150)
	68	(25 - 150)
13C-1,2,3,4,6,7,8-HpCDF	78	(25 - 150)
	67	(25 - 150)
13C-OCDD	90	(25 - 150)
	76	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	78	(25 - 150)
	74	(25 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

METHOD BLANK REPORT

HPLC

Client Lot #...: CANNON9 **Work Order #...:** H61H11AA **Matrix.....:** WATER
MB Lot-Sample #: R6F080000-389

Prep Date.....: 06/08/06 **Analysis Time..:** 15:47

Analysis Date..: 06/08/06 **Prep Batch #...:** 6159389
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Perchlorate	ND	0.010	ug/L	SW846 6860

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: CANNON9 **Work Order #...:** H64LC1AA **Matrix.....:** WATER
MB Lot-Sample #: R6F090000-357

Prep Date.....: 06/09/06 **Analysis Time..:** 10:34

Analysis Date..: 06/10/06 **Prep Batch #...:** 6160357
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Perchlorate	ND	0.010	ug/L	SW846 6860

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: CANNON9 **Work Order #...:** H61H11AC **Matrix.....:** WATER
LCS Lot-Sample#: R6F080000-389
Prep Date.....: 06/08/06 **Analysis Date..:** 06/08/06
Prep Batch #...: 6159389 **Analysis Time..:** 16:11
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Perchlorate	**101**	**(69 - 138)**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: CANNON9 **Work Order #...:** H61H11AC **Matrix.....:** WATER
LCS Lot-Sample#: R6F080000-389
Prep Date.....: 06/08/06 **Analysis Date..:** 06/08/06
Prep Batch #...: 6159389 **Analysis Time..:** 16:11
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Perchlorate	**0.100**	**0.101**	**ug/L**	**101**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: CANNON9 **Work Order #...:** H64LC1AC **Matrix.....:** WATER
LCS Lot-Sample#: R6F090000-357
Prep Date.....: 06/09/06 **Analysis Date..:** 06/10/06
Prep Batch #...: 6160357 **Analysis Time..:** 10:58
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Perchlorate	**101**	**(69 - 138)**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: CANNON9 **Work Order #...:** H64LC1AC **Matrix.....:** WATER
LCS Lot-Sample#: R6F090000-357
Prep Date.....: 06/09/06 **Analysis Date..:** 06/10/06
Prep Batch #...: 6160357 **Analysis Time..:** 10:58
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Perchlorate	**0.100**	**0.101**	**ug/L**	**101**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: CANNON9 **Work Order #...:** H6WG71CP-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F070231-001 H6WG71CQ-MSD
Date Sampled...: 06/06/06 10:00 **Date Received..:** 06/07/06
Prep Date.....: 06/08/06 **Analysis Date..:** 06/10/06
Prep Batch #...: 6159389 **Analysis Time..:** 08:08
Dilution Factor: 5

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Perchlorate	**90**	**(52 - 141)**			**SW846 6860**
	84	**(52 - 141)**	**1.6**	**(0-20)**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: CANNON9 **Work Order #...:** H6WG71CP-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F070231-001 H6WG71CQ-MSD
Date Sampled...: 06/06/06 10:00 **Date Received..:** 06/07/06
Prep Date.....: 06/08/06 **Analysis Date..:** 06/10/06
Prep Batch #...: 6159389 **Analysis Time..:** 08:08
Dilution Factor: 5

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Perchlorate	**1.2**	**0.500**	**1.68**	**ug/L**	**90**		**SW846 6860**
	1.2	**0.500**	**1.65**	**ug/L**	**84**	**1.6**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: CANNON9 **Work Order #...:** H61VN1F0-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F080262-004 H61VN1F1-MSD
Date Sampled...: 06/06/06 12:55 **Date Received..:** 06/08/06
Prep Date.....: 06/09/06 **Analysis Date..:** 06/15/06
Prep Batch #...: 6160357 **Analysis Time..:** 23:11
Dilution Factor: 10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Perchlorate	**99**	**(52 - 141)**			**SW846 6860**
	102	**(52 - 141)**	**2.3**	**(0-20)**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: CANNON9 **Work Order #...:** H61VN1F0-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F080262-004 H61VN1F1-MSD
Date Sampled...: 06/06/06 12:55 **Date Received..:** 06/08/06
Prep Date.....: 06/09/06 **Analysis Date..:** 06/15/06
Prep Batch #...: 6160357 **Analysis Time..:** 23:11
Dilution Factor: 10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Perchlorate	**0.25**	**1.00**	**1.24**	**ug/L**	**99**		**SW846 6860**
	0.25	**1.00**	**1.27**	**ug/L**	**102**	**2.3**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

HPLC

Client Lot #...: CANNON9 **Work Order #...:** H66AK1AA **Matrix.....:** WATER
MB Lot-Sample #: D6F090000-539

Prep Date.....: 06/09/06 **Analysis Time..:** 11:15

Analysis Date..: 06/13/06 **Prep Batch #...:** 6160539
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	1.0	ug/L	SW846 8310
Acenaphthylene	ND	1.0	ug/L	SW846 8310
Anthracene	ND	0.20	ug/L	SW846 8310
Benzo(a)anthracene	ND	0.20	ug/L	SW846 8310
Benzo(b)fluoranthene	ND	0.10	ug/L	SW846 8310
Benzo(k)fluoranthene	ND	0.10	ug/L	SW846 8310
Benzo(ghi)perylene	ND	0.20	ug/L	SW846 8310
Benzo(a)pyrene	ND	0.10	ug/L	SW846 8310
Chrysene	ND	0.20	ug/L	SW846 8310
Dibenzo(a,h)anthracene	ND	0.20	ug/L	SW846 8310
Fluoranthene	ND	0.20	ug/L	SW846 8310
Fluorene	ND	0.20	ug/L	SW846 8310
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	SW846 8310
2-Methylnaphthalene	ND	1.0	ug/L	SW846 8310
1-Methylnaphthalene	ND	1.0	ug/L	SW846 8310
Naphthalene	ND	1.0	ug/L	SW846 8310
Phenanthrene	ND	0.20	ug/L	SW846 8310
Pyrene	ND	0.20	ug/L	SW846 8310

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	78	(67 - 107)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: CANNON9 **Work Order #...:** H67PL1AA **Matrix.....:** WATER
MB Lot-Sample #: D6F120000-113

Prep Date.....: 06/12/06 **Analysis Time..:** 16:17

Analysis Date..: 06/14/06 **Prep Batch #...:** 6163113
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	1.0	ug/L	SW846 8310
Acenaphthylene	ND	1.0	ug/L	SW846 8310
Anthracene	ND	0.20	ug/L	SW846 8310
Benzo(a)anthracene	ND	0.20	ug/L	SW846 8310
Benzo(b)fluoranthene	ND	0.10	ug/L	SW846 8310
Benzo(k)fluoranthene	ND	0.10	ug/L	SW846 8310
Benzo(ghi)perylene	ND	0.20	ug/L	SW846 8310
Benzo(a)pyrene	ND	0.10	ug/L	SW846 8310
Chrysene	ND	0.20	ug/L	SW846 8310
Dibenzo(a,h)anthracene	ND	0.20	ug/L	SW846 8310
Fluoranthene	ND	0.20	ug/L	SW846 8310
Fluorene	ND	0.20	ug/L	SW846 8310
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	SW846 8310
2-Methylnaphthalene	ND	1.0	ug/L	SW846 8310
1-Methylnaphthalene	ND	1.0	ug/L	SW846 8310
Naphthalene	ND	1.0	ug/L	SW846 8310
Phenanthrene	ND	0.20	ug/L	SW846 8310
Pyrene	ND	0.20	ug/L	SW846 8310

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	82	(67 - 107)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: CANNON9 **Work Order #...:** H66AK1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F090000-539 H66AK1AD-LCSD
Prep Date.....: 06/09/06 **Analysis Date..:** 06/13/06
Prep Batch #...: 6160539 **Analysis Time..:** 11:45
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzo(a)pyrene	**83**	**(60 - 100)**			**SW846 8310**
	75	**(60 - 100)**	**9.8**	**(0-21)**	**SW846 8310**
Fluorene	**97**	**(60 - 102)**			**SW846 8310**
	84	**(60 - 102)**	**15**	**(0-22)**	**SW846 8310**
Indeno(1,2,3-cd)pyrene	**86**	**(68 - 108)**			**SW846 8310**
	79	**(68 - 108)**	**9.3**	**(0-24)**	**SW846 8310**
Naphthalene	**86**	**(44 - 98)**			**SW846 8310**
	74	**(44 - 98)**	**15**	**(0-23)**	**SW846 8310**
Pyrene	**89**	**(69 - 109)**			**SW846 8310**
	79	**(69 - 109)**	**12**	**(0-23)**	**SW846 8310**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	82	(67 - 107)
	72	(67 - 107)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: CANNON9 **Work Order #...:** H66AK1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F090000-539 H66AK1AD-LCSD
Prep Date.....: 06/09/06 **Analysis Date..:** 06/13/06
Prep Batch #...: 6160539 **Analysis Time..:** 11:45
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzo(a)pyrene	**20.0**	**16.6**	**ug/L**	**83**		**SW846 8310**
	20.0	**15.1**	**ug/L**	**75**	**9.8**	**SW846 8310**
Fluorene	**20.0**	**19.4**	**ug/L**	**97**		**SW846 8310**
	20.0	**16.7**	**ug/L**	**84**	**15**	**SW846 8310**
Indeno(1,2,3-cd)pyrene	**20.0**	**17.2**	**ug/L**	**86**		**SW846 8310**
	20.0	**15.7**	**ug/L**	**79**	**9.3**	**SW846 8310**
Naphthalene	**20.0**	**17.2**	**ug/L**	**86**		**SW846 8310**
	20.0	**14.8**	**ug/L**	**74**	**15**	**SW846 8310**
Pyrene	**20.0**	**17.7**	**ug/L**	**89**		**SW846 8310**
	20.0	**15.7**	**ug/L**	**79**	**12**	**SW846 8310**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	82	(67 - 107)
	72	(67 - 107)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: CANNON9 **Work Order #...:** H67PL1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F120000-113 H67PL1AD-LCSD
Prep Date.....: 06/12/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6163113 **Analysis Time..:** 16:47
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzo(a)pyrene	**84**	**(60 - 100)**			**SW846 8310**
	84	**(60 - 100)**	**0.23**	**(0-21)**	**SW846 8310**
Fluorene	**97**	**(60 - 102)**			**SW846 8310**
	96	**(60 - 102)**	**1.4**	**(0-22)**	**SW846 8310**
Indeno(1,2,3-cd)pyrene	**88**	**(68 - 108)**			**SW846 8310**
	88	**(68 - 108)**	**0.28**	**(0-24)**	**SW846 8310**
Naphthalene	**76**	**(44 - 98)**			**SW846 8310**
	76	**(44 - 98)**	**0.59**	**(0-23)**	**SW846 8310**
Pyrene	**91**	**(69 - 109)**			**SW846 8310**
	89	**(69 - 109)**	**1.9**	**(0-23)**	**SW846 8310**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	83	(67 - 107)
	82	(67 - 107)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: CANNON9 **Work Order #...:** H67PL1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F120000-113 H67PL1AD-LCSD
Prep Date.....: 06/12/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6163113 **Analysis Time..:** 16:47
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzo(a)pyrene	**20.0**	**16.8**	**ug/L**	**84**		**SW846 8310**
	20.0	**16.8**	**ug/L**	**84**	**0.23**	**SW846 8310**
Fluorene	**20.0**	**19.5**	**ug/L**	**97**		**SW846 8310**
	20.0	**19.2**	**ug/L**	**96**	**1.4**	**SW846 8310**
Indeno(1,2,3-cd)pyrene	**20.0**	**17.6**	**ug/L**	**88**		**SW846 8310**
	20.0	**17.6**	**ug/L**	**88**	**0.28**	**SW846 8310**
Naphthalene	**20.0**	**15.2**	**ug/L**	**76**		**SW846 8310**
	20.0	**15.3**	**ug/L**	**76**	**0.59**	**SW846 8310**
Pyrene	**20.0**	**18.1**	**ug/L**	**91**		**SW846 8310**
	20.0	**17.8**	**ug/L**	**89**	**1.9**	**SW846 8310**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	83	(67 - 107)
	82	(67 - 107)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: CANNON9 **Work Order #...:** H61VN1EM-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F080262-004 H61VN1EN-MSD
Date Sampled...: 06/06/06 13:15 **Date Received..:** 06/08/06
Prep Date.....: 06/12/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6163113 **Analysis Time..:** 19:50
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzo(a)pyrene	**78**	**(60 - 100)**			**SW846 8310**
	69	**(60 - 100)**	**14**	**(0-21)**	**SW846 8310**
Fluorene	**104 a**	**(60 - 102)**			**SW846 8310**
	105 a	**(60 - 102)**	**0.78**	**(0-22)**	**SW846 8310**
Indeno(1,2,3-cd)pyrene	**81**	**(68 - 108)**			**SW846 8310**
	83	**(68 - 108)**	**0.80**	**(0-24)**	**SW846 8310**
Naphthalene	**94**	**(44 - 98)**			**SW846 8310**
	95	**(44 - 98)**	**0.48**	**(0-23)**	**SW846 8310**
Pyrene	**93**	**(69 - 109)**			**SW846 8310**
	94	**(69 - 109)**	**0.27**	**(0-23)**	**SW846 8310**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	84	(67 - 107)
	86	(67 - 107)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: CANNON9 **Work Order #...:** H61VN1EM-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F080262-004 H61VN1EN-MSD
Date Sampled...: 06/06/06 13:15 **Date Received..:** 06/08/06
Prep Date.....: 06/12/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6163113 **Analysis Time..:** 19:50
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzo(a)pyrene	**ND**	**19.8**	**15.5**	**ug/L**	**78**		**SW846 8310**
	ND	**19.5**	**13.4**	**ug/L**	**69**	**14**	**SW846 8310**
Fluorene	**ND**	**19.8**	**20.6**	**ug/L**	**104 a**		**SW846 8310**
	ND	**19.5**	**20.4**	**ug/L**	**105 a**	**0.78**	**SW846 8310**
Indeno(1,2,3-cd)pyrene	**ND**	**19.8**	**16.1**	**ug/L**	**81**		**SW846 8310**
	ND	**19.5**	**16.2**	**ug/L**	**83**	**0.80**	**SW846 8310**
Naphthalene	**ND**	**19.8**	**18.6**	**ug/L**	**94**		**SW846 8310**
	ND	**19.5**	**18.5**	**ug/L**	**95**	**0.48**	**SW846 8310**
Pyrene	**ND**	**19.8**	**18.4**	**ug/L**	**93**		**SW846 8310**
	ND	**19.5**	**18.3**	**ug/L**	**94**	**0.27**	**SW846 8310**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	84	(67 - 107)
	86	(67 - 107)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: CANNON9 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D6F080000-310 **Prep Batch #...:** 6159310						
Mercury	ND	0.20	ug/L	SW846 7470A	06/08/06	H60361AA
		Dilution Factor: 1				
		Analysis Time..: 18:47				
MB Lot-Sample #: D6F080000-567 **Prep Batch #...:** 6159567						
Antimony	ND	2.0	ug/L	SW846 6020	06/10-06/13/06	H62RP1AA
		Dilution Factor: 1				
		Analysis Time..: 03:24				
Arsenic	ND	5.0	ug/L	SW846 6020	06/10-06/13/06	H62RP1AC
		Dilution Factor: 1				
		Analysis Time..: 03:24				
Cadmium	ND	1.0	ug/L	SW846 6020	06/10-06/13/06	H62RP1AD
		Dilution Factor: 1				
		Analysis Time..: 03:24				
Chromium	ND	2.0	ug/L	SW846 6020	06/10-06/13/06	H62RP1AJ
		Dilution Factor: 1				
		Analysis Time..: 03:24				
Lead	ND	1.0	ug/L	SW846 6020	06/10-06/13/06	H62RP1AE
		Dilution Factor: 1				
		Analysis Time..: 03:24				
Selenium	ND	5.0	ug/L	SW846 6020	06/10-06/13/06	H62RP1AF
		Dilution Factor: 1				
		Analysis Time..: 03:24				
Silver	ND	5.0	ug/L	SW846 6020	06/10-06/13/06	H62RP1AG
		Dilution Factor: 1				
		Analysis Time..: 03:24				
Thallium	ND	1.0	ug/L	SW846 6020	06/10-06/13/06	H62RP1AH
		Dilution Factor: 1				
		Analysis Time..: 03:24				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: CANNON9 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D6F080000-602 **Prep Batch #...:** 6159602						
Aluminum	ND	100	ug/L	SW846 6010B	06/10-06/12/06	H623L1AA
		Dilution Factor: 1				
		Analysis Time..: 20:10				
Barium	ND	10	ug/L	SW846 6010B	06/10-06/12/06	H623L1AC
		Dilution Factor: 1				
		Analysis Time..: 20:10				
Beryllium	ND	5.0	ug/L	SW846 6010B	06/10-06/12/06	H623L1AD
		Dilution Factor: 1				
		Analysis Time..: 20:10				
Boron	**6.6 B**	**100**	**ug/L**	**SW846 6010B**	**06/10-06/12/06**	**H623L1AU**
		Dilution Factor: 1				
		Analysis Time..: 20:10				
Calcium	ND	200	ug/L	SW846 6010B	06/10-06/12/06	H623L1AL
		Dilution Factor: 1				
		Analysis Time..: 20:10				
Cobalt	ND	10	ug/L	SW846 6010B	06/10-06/12/06	H623L1AM
		Dilution Factor: 1				
		Analysis Time..: 20:10				
Copper	ND	20	ug/L	SW846 6010B	06/10-06/12/06	H623L1AE
		Dilution Factor: 1				
		Analysis Time..: 20:10				
Iron	ND	100	ug/L	SW846 6010B	06/10-06/12/06	H623L1AF
		Dilution Factor: 1				
		Analysis Time..: 20:10				
Magnesium	ND	200	ug/L	SW846 6010B	06/10-06/12/06	H623L1AP
		Dilution Factor: 1				
		Analysis Time..: 20:10				
Manganese	ND	10	ug/L	SW846 6010B	06/10-06/12/06	H623L1AG
		Dilution Factor: 1				
		Analysis Time..: 20:10				
Molybdenum	ND	20	ug/L	SW846 6010B	06/10-06/12/06	H623L1AQ
		Dilution Factor: 1				
		Analysis Time..: 20:10				

(Continued on next page)

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: CANNON9 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	ND	40	ug/L	SW846 6010B	06/10-06/12/06	H623L1AH
		Dilution Factor: 1				
		Analysis Time..: 20:10				
Potassium	ND	3000	ug/L	SW846 6010B	06/10-06/12/06	H623L1AN
		Dilution Factor: 1				
		Analysis Time..: 20:10				
Silica	ND	1100	ug/L	SW846 6010B	06/10-06/12/06	H623L1AT
		Dilution Factor: 1				
		Analysis Time..: 20:10				
Sodium	ND	5000	ug/L	SW846 6010B	06/10-06/12/06	H623L1AR
		Dilution Factor: 1				
		Analysis Time..: 20:10				
Tin	ND	100	ug/L	SW846 6010B	06/10-06/12/06	H623L1AV
		Dilution Factor: 1				
		Analysis Time..: 20:10				
Vanadium	ND	10	ug/L	SW846 6010B	06/10-06/12/06	H623L1AJ
		Dilution Factor: 1				
		Analysis Time..: 20:10				
Zinc	ND	20	ug/L	SW846 6010B	06/10-06/12/06	H623L1AK
		Dilution Factor: 1				
		Analysis Time..: 20:10				

MB Lot-Sample #: D6F190000-376 **Prep Batch #...:** 6170376

Mercury	ND	0.20	ug/L	SW846 7470A	06/26/06	H7QP01AA
		Dilution Factor: 1				
		Analysis Time..: 18:07				

MB Lot-Sample #: D6F220000-296 **Prep Batch #...:** 6173296

Antimony	ND	2.0	ug/L	SW846 6020	06/28/06	H70L81AA
		Dilution Factor: 1				
		Analysis Time..: 20:01				
Arsenic	ND	5.0	ug/L	SW846 6020	06/28/06	H70L81AC
		Dilution Factor: 1				
		Analysis Time..: 20:01				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: CANNON9 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cadmium	ND	1.0	ug/L	SW846 6020	06/28/06	H70L81AD
		Dilution Factor: 1				
		Analysis Time..: 20:01				
Chromium	**0.61 B**	**2.0**	**ug/L**	**SW846 6020**	**06/28/06**	**H70L81AJ**
		Dilution Factor: 1				
		Analysis Time..: 20:01				
Lead	ND	1.0	ug/L	SW846 6020	06/28/06	H70L81AE
		Dilution Factor: 1				
		Analysis Time..: 20:01				
Selenium	ND	5.0	ug/L	SW846 6020	06/28/06	H70L81AF
		Dilution Factor: 1				
		Analysis Time..: 20:01				
Silver	ND	5.0	ug/L	SW846 6020	06/28/06	H70L81AG
		Dilution Factor: 1				
		Analysis Time..: 20:01				
Thallium	ND	1.0	ug/L	SW846 6020	06/28/06	H70L81AH
		Dilution Factor: 1				
		Analysis Time..: 20:01				

MB Lot-Sample #: D6F220000-338 **Prep Batch #...:** 6173338

Aluminum	**19 B**	**100**	**ug/L**	**SW846 6010B**	**06/28/06**	**H70T51AA**
		Dilution Factor: 1				
		Analysis Time..: 18:18				
Barium	ND	10	ug/L	SW846 6010B	06/28/06	H70T51AC
		Dilution Factor: 1				
		Analysis Time..: 18:18				
Beryllium	ND	5.0	ug/L	SW846 6010B	06/28/06	H70T51AD
		Dilution Factor: 1				
		Analysis Time..: 18:18				
Boron	ND	100	ug/L	SW846 6010B	06/28/06	H70T51AU
		Dilution Factor: 1				
		Analysis Time..: 18:18				
Calcium	**57 B**	**200**	**ug/L**	**SW846 6010B**	**06/28/06**	**H70T51AL**
		Dilution Factor: 1				
		Analysis Time..: 18:18				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: CANNON9 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	ND	10	ug/L	SW846 6010B	06/28/06	H70T51AM
		Dilution Factor: 1				
		Analysis Time..: 18:18				
Copper	ND	20	ug/L	SW846 6010B	06/28/06	H70T51AE
		Dilution Factor: 1				
		Analysis Time..: 18:18				
Iron	ND	100	ug/L	SW846 6010B	06/28/06	H70T51AF
		Dilution Factor: 1				
		Analysis Time..: 18:18				
Magnesium	ND	200	ug/L	SW846 6010B	06/28/06	H70T51AP
		Dilution Factor: 1				
		Analysis Time..: 18:18				
Manganese	ND	10	ug/L	SW846 6010B	06/28/06	H70T51AG
		Dilution Factor: 1				
		Analysis Time..: 18:18				
Molybdenum	ND	20	ug/L	SW846 6010B	06/28/06	H70T51AQ
		Dilution Factor: 1				
		Analysis Time..: 18:18				
Nickel	ND	40	ug/L	SW846 6010B	06/28/06	H70T51AH
		Dilution Factor: 1				
		Analysis Time..: 18:18				
Potassium	ND	3000	ug/L	SW846 6010B	06/28/06	H70T51AN
		Dilution Factor: 1				
		Analysis Time..: 18:18				
Silica	ND	1100	ug/L	SW846 6010B	06/28/06	H70T51AT
		Dilution Factor: 1				
		Analysis Time..: 18:18				
Sodium	**160 B**	**5000**	**ug/L**	**SW846 6010B**	**06/28/06**	**H70T51AR**
		Dilution Factor: 1				
		Analysis Time..: 18:18				
Tin	ND	100	ug/L	SW846 6010B	06/28/06	H70T51AV
		Dilution Factor: 1				
		Analysis Time..: 18:18				
Vanadium	ND	10	ug/L	SW846 6010B	06/28/06	H70T51AJ
		Dilution Factor: 1				
		Analysis Time..: 18:18				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: CANNON9 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**6.5 B**	**20**	**ug/L**	**SW846 6010B**	**06/28-06/29/06**	**H70T51AK**

Dilution Factor: 1
Analysis Time..: 14:10

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: CANNON9 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Mercury	102	(85 - 114)			SW846 7470A	06/08/06	6159310
	102	(85 - 114)	0.44	(0-10)	SW846 7470A	06/08/06	6159310
		Dilution Factor: 1			Analysis Time..: 18:49		
Antimony	94	(71 - 128)			SW846 6020	06/10-06/13/06	6159567
	94	(71 - 128)	0.08	(0-20)	SW846 6020	06/10-06/13/06	6159567
		Dilution Factor: 1			Analysis Time..: 03:28		
Arsenic	93	(89 - 111)			SW846 6020	06/10-06/13/06	6159567
	95	(89 - 111)	2.1	(0-20)	SW846 6020	06/10-06/13/06	6159567
		Dilution Factor: 1			Analysis Time..: 03:28		
Cadmium	97	(89 - 111)			SW846 6020	06/10-06/13/06	6159567
	95	(89 - 111)	1.6	(0-20)	SW846 6020	06/10-06/13/06	6159567
		Dilution Factor: 1			Analysis Time..: 03:28		
Chromium	105	(86 - 124)			SW846 6020	06/10-06/13/06	6159567
	106	(86 - 124)	1.2	(0-20)	SW846 6020	06/10-06/13/06	6159567
		Dilution Factor: 1			Analysis Time..: 03:28		
Lead	100	(88 - 119)			SW846 6020	06/10-06/13/06	6159567
	101	(88 - 119)	0.87	(0-20)	SW846 6020	06/10-06/13/06	6159567
		Dilution Factor: 1			Analysis Time..: 03:28		
Selenium	85	(82 - 114)			SW846 6020	06/10-06/13/06	6159567
	91	(82 - 114)	6.5	(0-20)	SW846 6020	06/10-06/13/06	6159567
		Dilution Factor: 1			Analysis Time..: 03:28		
Silver	98	(90 - 114)			SW846 6020	06/10-06/13/06	6159567
	98	(90 - 114)	0.30	(0-20)	SW846 6020	06/10-06/13/06	6159567
		Dilution Factor: 1			Analysis Time..: 03:28		
Thallium	100	(86 - 124)			SW846 6020	06/10-06/13/06	6159567
	100	(86 - 124)	0.03	(0-20)	SW846 6020	06/10-06/13/06	6159567
		Dilution Factor: 1			Analysis Time..: 03:28		
Aluminum	95	(87 - 111)			SW846 6010B	06/10-06/12/06	6159602
	95	(87 - 111)	0.19	(0-20)	SW846 6010B	06/10-06/12/06	6159602
		Dilution Factor: 1			Analysis Time..: 20:16		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: CANNON9 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Barium	103	(92 - 112)			SW846 6010B	06/10-06/12/06	6159602
	105	(92 - 112)	1.2	(0-20)	SW846 6010B	06/10-06/12/06	6159602
		Dilution Factor: 1			Analysis Time..: 20:16		
Beryllium	100	(89 - 113)			SW846 6010B	06/10-06/12/06	6159602
	100	(89 - 113)	0.70	(0-20)	SW846 6010B	06/10-06/12/06	6159602
		Dilution Factor: 1			Analysis Time..: 20:16		
Boron	101	(86 - 110)			SW846 6010B	06/10-06/12/06	6159602
	102	(86 - 110)	1.2	(0-20)	SW846 6010B	06/10-06/12/06	6159602
		Dilution Factor: 1			Analysis Time..: 20:16		
Calcium	102	(90 - 111)			SW846 6010B	06/10-06/12/06	6159602
	103	(90 - 111)	1.2	(0-20)	SW846 6010B	06/10-06/12/06	6159602
		Dilution Factor: 1			Analysis Time..: 20:16		
Cobalt	101	(89 - 111)			SW846 6010B	06/10-06/12/06	6159602
	102	(89 - 111)	0.81	(0-20)	SW846 6010B	06/10-06/12/06	6159602
		Dilution Factor: 1			Analysis Time..: 20:16		
Copper	106	(86 - 112)			SW846 6010B	06/10-06/12/06	6159602
	108	(86 - 112)	1.4	(0-20)	SW846 6010B	06/10-06/12/06	6159602
		Dilution Factor: 1			Analysis Time..: 20:16		
Iron	103	(89 - 116)			SW846 6010B	06/10-06/12/06	6159602
	104	(89 - 116)	0.90	(0-20)	SW846 6010B	06/10-06/12/06	6159602
		Dilution Factor: 1			Analysis Time..: 20:16		
Magnesium	102	(92 - 113)			SW846 6010B	06/10-06/12/06	6159602
	104	(92 - 113)	1.3	(0-20)	SW846 6010B	06/10-06/12/06	6159602
		Dilution Factor: 1			Analysis Time..: 20:16		
Manganese	101	(90 - 110)			SW846 6010B	06/10-06/12/06	6159602
	102	(90 - 110)	1.0	(0-20)	SW846 6010B	06/10-06/12/06	6159602
		Dilution Factor: 1			Analysis Time..: 20:16		
Molybdenum	105	(90 - 110)			SW846 6010B	06/10-06/12/06	6159602
	105	(90 - 110)	0.87	(0-20)	SW846 6010B	06/10-06/12/06	6159602
		Dilution Factor: 1			Analysis Time..: 20:16		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: CANNON9 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Nickel	102	(89 - 111)			SW846 6010B	06/10-06/12/06	6159602
	102	(89 - 111)	0.74	(0-20)	SW846 6010B	06/10-06/12/06	6159602
		Dilution Factor: 1			Analysis Time..: 20:16		
Potassium	105	(89 - 114)			SW846 6010B	06/10-06/12/06	6159602
	107	(89 - 114)	1.1	(0-20)	SW846 6010B	06/10-06/12/06	6159602
		Dilution Factor: 1			Analysis Time..: 20:16		
Silica	100	(93 - 113)			SW846 6010B	06/10-06/12/06	6159602
	102	(93 - 113)	1.4	(0-20)	SW846 6010B	06/10-06/12/06	6159602
		Dilution Factor: 1			Analysis Time..: 20:16		
Sodium	103	(90 - 117)			SW846 6010B	06/10-06/12/06	6159602
	105	(90 - 117)	2.0	(0-20)	SW846 6010B	06/10-06/12/06	6159602
		Dilution Factor: 1			Analysis Time..: 20:16		
Tin	102	(85 - 113)			SW846 6010B	06/10-06/12/06	6159602
	103	(85 - 113)	0.73	(0-20)	SW846 6010B	06/10-06/12/06	6159602
		Dilution Factor: 1			Analysis Time..: 20:16		
Vanadium	102	(91 - 111)			SW846 6010B	06/10-06/12/06	6159602
	103	(91 - 111)	0.70	(0-20)	SW846 6010B	06/10-06/12/06	6159602
		Dilution Factor: 1			Analysis Time..: 20:16		
Zinc	102	(84 - 111)			SW846 6010B	06/10-06/12/06	6159602
	103	(84 - 111)	0.79	(0-20)	SW846 6010B	06/10-06/12/06	6159602
		Dilution Factor: 1			Analysis Time..: 20:16		
Mercury	100	(85 - 114)			SW846 7470A	06/26/06	6170376
	104	(85 - 114)	3.4	(0-10)	SW846 7470A	06/26/06	6170376
		Dilution Factor: 1			Analysis Time..: 18:09		
Antimony	93	(71 - 128)			SW846 6020	06/28/06	6173296
	94	(71 - 128)	1.6	(0-20)	SW846 6020	06/28/06	6173296
		Dilution Factor: 1			Analysis Time..: 20:05		
Arsenic	90	(89 - 111)			SW846 6020	06/28/06	6173296
	90	(89 - 111)	0.52	(0-20)	SW846 6020	06/28/06	6173296
		Dilution Factor: 1			Analysis Time..: 20:05		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: CANNON9 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Cadmium	92	(89 - 111)			SW846 6020	06/28/06	6173296
	93	(89 - 111)	0.85	(0-20)	SW846 6020	06/28/06	6173296
		Dilution Factor: 1			Analysis Time..: 20:05		
Chromium	108	(86 - 124)			SW846 6020	06/28/06	6173296
	109	(86 - 124)	0.74	(0-20)	SW846 6020	06/28/06	6173296
		Dilution Factor: 1			Analysis Time..: 20:05		
Lead	97	(88 - 119)			SW846 6020	06/28/06	6173296
	96	(88 - 119)	1.7	(0-20)	SW846 6020	06/28/06	6173296
		Dilution Factor: 1			Analysis Time..: 20:05		
Selenium	84	(82 - 114)			SW846 6020	06/28/06	6173296
	85	(82 - 114)	1.0	(0-20)	SW846 6020	06/28/06	6173296
		Dilution Factor: 1			Analysis Time..: 20:05		
Silver	98	(90 - 114)			SW846 6020	06/28/06	6173296
	99	(90 - 114)	1.2	(0-20)	SW846 6020	06/28/06	6173296
		Dilution Factor: 1			Analysis Time..: 20:05		
Thallium	98	(86 - 124)			SW846 6020	06/28/06	6173296
	98	(86 - 124)	0.67	(0-20)	SW846 6020	06/28/06	6173296
		Dilution Factor: 1			Analysis Time..: 20:05		
Aluminum	89	(87 - 111)			SW846 6010B	06/28/06	6173338
	87	(87 - 111)	2.9	(0-20)	SW846 6010B	06/28/06	6173338
		Dilution Factor: 1			Analysis Time..: 18:24		
Barium	100	(92 - 112)			SW846 6010B	06/28/06	6173338
	96	(92 - 112)	4.2	(0-20)	SW846 6010B	06/28/06	6173338
		Dilution Factor: 1			Analysis Time..: 18:24		
Beryllium	96	(89 - 113)			SW846 6010B	06/28/06	6173338
	92	(89 - 113)	4.9	(0-20)	SW846 6010B	06/28/06	6173338
		Dilution Factor: 1			Analysis Time..: 18:24		
Boron	98	(86 - 110)			SW846 6010B	06/28/06	6173338
	96	(86 - 110)	1.4	(0-20)	SW846 6010B	06/28/06	6173338
		Dilution Factor: 1			Analysis Time..: 18:24		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: CANNON9 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Calcium	100	(90 - 111)			SW846 6010B	06/28/06	6173338
	95	(90 - 111)	5.2	(0-20)	SW846 6010B	06/28/06	6173338
		Dilution Factor: 1			Analysis Time..: 18:24		
Cobalt	99	(89 - 111)			SW846 6010B	06/28/06	6173338
	95	(89 - 111)	4.1	(0-20)	SW846 6010B	06/28/06	6173338
		Dilution Factor: 1			Analysis Time..: 18:24		
Copper	104	(86 - 112)			SW846 6010B	06/28/06	6173338
	98	(86 - 112)	5.8	(0-20)	SW846 6010B	06/28/06	6173338
		Dilution Factor: 1			Analysis Time..: 18:24		
Iron	99	(89 - 116)			SW846 6010B	06/28/06	6173338
	94	(89 - 116)	5.1	(0-20)	SW846 6010B	06/28/06	6173338
		Dilution Factor: 1			Analysis Time..: 18:24		
Magnesium	100	(92 - 113)			SW846 6010B	06/28/06	6173338
	95	(92 - 113)	4.5	(0-20)	SW846 6010B	06/28/06	6173338
		Dilution Factor: 1			Analysis Time..: 18:24		
Manganese	100	(90 - 110)			SW846 6010B	06/28/06	6173338
	94	(90 - 110)	5.4	(0-20)	SW846 6010B	06/28/06	6173338
		Dilution Factor: 1			Analysis Time..: 18:24		
Molybdenum	102	(90 - 110)			SW846 6010B	06/28/06	6173338
	101	(90 - 110)	1.3	(0-20)	SW846 6010B	06/28/06	6173338
		Dilution Factor: 1			Analysis Time..: 18:24		
Nickel	99	(89 - 111)			SW846 6010B	06/28/06	6173338
	95	(89 - 111)	3.9	(0-20)	SW846 6010B	06/28/06	6173338
		Dilution Factor: 1			Analysis Time..: 18:24		
Potassium	103	(89 - 114)			SW846 6010B	06/28/06	6173338
	98	(89 - 114)	4.1	(0-20)	SW846 6010B	06/28/06	6173338
		Dilution Factor: 1			Analysis Time..: 18:24		
Silica	97	(93 - 113)			SW846 6010B	06/28/06	6173338
	96	(93 - 113)	1.8	(0-20)	SW846 6010B	06/28/06	6173338
		Dilution Factor: 1			Analysis Time..: 18:24		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: CANNON9 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Sodium	100	(90 - 117)			SW846 6010B	06/28/06	6173338
	96	(90 - 117)	4.1	(0-20)	SW846 6010B	06/28/06	6173338
		Dilution Factor: 1			Analysis Time..: 18:24		
Tin	100	(85 - 113)			SW846 6010B	06/28/06	6173338
	98	(85 - 113)	1.8	(0-20)	SW846 6010B	06/28/06	6173338
		Dilution Factor: 1			Analysis Time..: 18:24		
Vanadium	100	(91 - 111)			SW846 6010B	06/28/06	6173338
	95	(91 - 111)	4.4	(0-20)	SW846 6010B	06/28/06	6173338
		Dilution Factor: 1			Analysis Time..: 18:24		
Zinc	101	(84 - 111)			SW846 6010B	06/28/06	6173338
	95	(84 - 111)	6.1	(0-20)	SW846 6010B	06/28/06	6173338
		Dilution Factor: 1			Analysis Time..: 18:24		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: CANNON9 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Mercury	5.00	5.11	ug/L	102		SW846 7470A	06/08/06	6159310
	5.00	5.08	ug/L	102	0.44	SW846 7470A	06/08/06	6159310
			Dilution Factor: 1			Analysis Time..: 18:49		
Antimony	40.0	37.7	ug/L	94		SW846 6020	06/10-06/13/06	6159567
	40.0	37.7	ug/L	94	0.08	SW846 6020	06/10-06/13/06	6159567
			Dilution Factor: 1			Analysis Time..: 03:28		
Arsenic	40.0	37.2	ug/L	93		SW846 6020	06/10-06/13/06	6159567
	40.0	38.0	ug/L	95	2.1	SW846 6020	06/10-06/13/06	6159567
			Dilution Factor: 1			Analysis Time..: 03:28		
Cadmium	40.0	38.7	ug/L	97		SW846 6020	06/10-06/13/06	6159567
	40.0	38.1	ug/L	95	1.6	SW846 6020	06/10-06/13/06	6159567
			Dilution Factor: 1			Analysis Time..: 03:28		
Chromium	40.0	42.0	ug/L	105		SW846 6020	06/10-06/13/06	6159567
	40.0	42.5	ug/L	106	1.2	SW846 6020	06/10-06/13/06	6159567
			Dilution Factor: 1			Analysis Time..: 03:28		
Lead	40.0	40.1	ug/L	100		SW846 6020	06/10-06/13/06	6159567
	40.0	40.4	ug/L	101	0.87	SW846 6020	06/10-06/13/06	6159567
			Dilution Factor: 1			Analysis Time..: 03:28		
Selenium	40.0	34.2	ug/L	85		SW846 6020	06/10-06/13/06	6159567
	40.0	36.5	ug/L	91	6.5	SW846 6020	06/10-06/13/06	6159567
			Dilution Factor: 1			Analysis Time..: 03:28		
Silver	40.0	39.3	ug/L	98		SW846 6020	06/10-06/13/06	6159567
	40.0	39.2	ug/L	98	0.30	SW846 6020	06/10-06/13/06	6159567
			Dilution Factor: 1			Analysis Time..: 03:28		
Thallium	40.0	39.9	ug/L	100		SW846 6020	06/10-06/13/06	6159567
	40.0	39.9	ug/L	100	0.03	SW846 6020	06/10-06/13/06	6159567
			Dilution Factor: 1			Analysis Time..: 03:28		
Aluminum	2000	1890	ug/L	95		SW846 6010B	06/10-06/12/06	6159602
	2000	1900	ug/L	95	0.19	SW846 6010B	06/10-06/12/06	6159602
			Dilution Factor: 1			Analysis Time..: 20:16		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: CANNON9 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Barium	2000	2070	ug/L	103		SW846 6010B	06/10-06/12/06	6159602
	2000	2090	ug/L	105	1.2	SW846 6010B	06/10-06/12/06	6159602
			Dilution Factor: 1			Analysis Time..: 20:16		
Beryllium	50.0	49.8	ug/L	100		SW846 6010B	06/10-06/12/06	6159602
	50.0	50.2	ug/L	100	0.70	SW846 6010B	06/10-06/12/06	6159602
			Dilution Factor: 1			Analysis Time..: 20:16		
Boron	1000	1010	ug/L	101		SW846 6010B	06/10-06/12/06	6159602
	1000	1020	ug/L	102	1.2	SW846 6010B	06/10-06/12/06	6159602
			Dilution Factor: 1			Analysis Time..: 20:16		
Calcium	50000	50800	ug/L	102		SW846 6010B	06/10-06/12/06	6159602
	50000	51400	ug/L	103	1.2	SW846 6010B	06/10-06/12/06	6159602
			Dilution Factor: 1			Analysis Time..: 20:16		
Cobalt	500	504	ug/L	101		SW846 6010B	06/10-06/12/06	6159602
	500	508	ug/L	102	0.81	SW846 6010B	06/10-06/12/06	6159602
			Dilution Factor: 1			Analysis Time..: 20:16		
Copper	250	266	ug/L	106		SW846 6010B	06/10-06/12/06	6159602
	250	270	ug/L	108	1.4	SW846 6010B	06/10-06/12/06	6159602
			Dilution Factor: 1			Analysis Time..: 20:16		
Iron	1000	1030	ug/L	103		SW846 6010B	06/10-06/12/06	6159602
	1000	1040	ug/L	104	0.90	SW846 6010B	06/10-06/12/06	6159602
			Dilution Factor: 1			Analysis Time..: 20:16		
Magnesium	50000	51200	ug/L	102		SW846 6010B	06/10-06/12/06	6159602
	50000	51800	ug/L	104	1.3	SW846 6010B	06/10-06/12/06	6159602
			Dilution Factor: 1			Analysis Time..: 20:16		
Manganese	500	506	ug/L	101		SW846 6010B	06/10-06/12/06	6159602
	500	512	ug/L	102	1.0	SW846 6010B	06/10-06/12/06	6159602
			Dilution Factor: 1			Analysis Time..: 20:16		
Molybdenum	1000	1050	ug/L	105		SW846 6010B	06/10-06/12/06	6159602
	1000	1050	ug/L	105	0.87	SW846 6010B	06/10-06/12/06	6159602
			Dilution Factor: 1			Analysis Time..: 20:16		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: CANNON9 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nickel	500	508	ug/L	102		SW846 6010B	06/10-06/12/06	6159602
	500	512	ug/L	102	0.74	SW846 6010B	06/10-06/12/06	6159602
			Dilution Factor: 1			Analysis Time..: 20:16		
Potassium	50000	52600	ug/L	105		SW846 6010B	06/10-06/12/06	6159602
	50000	53300	ug/L	107	1.1	SW846 6010B	06/10-06/12/06	6159602
			Dilution Factor: 1			Analysis Time..: 20:16		
Silica	21400	21500	ug/L	100		SW846 6010B	06/10-06/12/06	6159602
	21400	21800	ug/L	102	1.4	SW846 6010B	06/10-06/12/06	6159602
			Dilution Factor: 1			Analysis Time..: 20:16		
Sodium	50000	51600	ug/L	103		SW846 6010B	06/10-06/12/06	6159602
	50000	52700	ug/L	105	2.0	SW846 6010B	06/10-06/12/06	6159602
			Dilution Factor: 1			Analysis Time..: 20:16		
Tin	2000	2040	ug/L	102		SW846 6010B	06/10-06/12/06	6159602
	2000	2060	ug/L	103	0.73	SW846 6010B	06/10-06/12/06	6159602
			Dilution Factor: 1			Analysis Time..: 20:16		
Vanadium	500	511	ug/L	102		SW846 6010B	06/10-06/12/06	6159602
	500	515	ug/L	103	0.70	SW846 6010B	06/10-06/12/06	6159602
			Dilution Factor: 1			Analysis Time..: 20:16		
Zinc	500	511	ug/L	102		SW846 6010B	06/10-06/12/06	6159602
	500	515	ug/L	103	0.79	SW846 6010B	06/10-06/12/06	6159602
			Dilution Factor: 1			Analysis Time..: 20:16		
Mercury	5.00	5.02	ug/L	100		SW846 7470A	06/26/06	6170376
	5.00	5.19	ug/L	104	3.4	SW846 7470A	06/26/06	6170376
			Dilution Factor: 1			Analysis Time..: 18:09		
Antimony	40.0	37.1	ug/L	93		SW846 6020	06/28/06	6173296
	40.0	37.7	ug/L	94	1.6	SW846 6020	06/28/06	6173296
			Dilution Factor: 1			Analysis Time..: 20:05		
Arsenic	40.0	35.9	ug/L	90		SW846 6020	06/28/06	6173296
	40.0	36.1	ug/L	90	0.52	SW846 6020	06/28/06	6173296
			Dilution Factor: 1			Analysis Time..: 20:05		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: CANNON9 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cadmium	40.0	37.0	ug/L	92		SW846 6020	06/28/06	6173296
	40.0	37.3	ug/L	93	0.85	SW846 6020	06/28/06	6173296
			Dilution Factor: 1			Analysis Time..: 20:05		
Chromium	40.0	43.1	ug/L	108		SW846 6020	06/28/06	6173296
	40.0	43.4	ug/L	109	0.74	SW846 6020	06/28/06	6173296
			Dilution Factor: 1			Analysis Time..: 20:05		
Lead	40.0	38.9	ug/L	97		SW846 6020	06/28/06	6173296
	40.0	38.3	ug/L	96	1.7	SW846 6020	06/28/06	6173296
			Dilution Factor: 1			Analysis Time..: 20:05		
Selenium	40.0	33.6	ug/L	84		SW846 6020	06/28/06	6173296
	40.0	34.0	ug/L	85	1.0	SW846 6020	06/28/06	6173296
			Dilution Factor: 1			Analysis Time..: 20:05		
Silver	40.0	39.3	ug/L	98		SW846 6020	06/28/06	6173296
	40.0	39.7	ug/L	99	1.2	SW846 6020	06/28/06	6173296
			Dilution Factor: 1			Analysis Time..: 20:05		
Thallium	40.0	39.0	ug/L	98		SW846 6020	06/28/06	6173296
	40.0	39.3	ug/L	98	0.67	SW846 6020	06/28/06	6173296
			Dilution Factor: 1			Analysis Time..: 20:05		
Aluminum	2000	1790	ug/L	89		SW846 6010B	06/28/06	6173338
	2000	1740	ug/L	87	2.9	SW846 6010B	06/28/06	6173338
			Dilution Factor: 1			Analysis Time..: 18:24		
Barium	2000	2000	ug/L	100		SW846 6010B	06/28/06	6173338
	2000	1920	ug/L	96	4.2	SW846 6010B	06/28/06	6173338
			Dilution Factor: 1			Analysis Time..: 18:24		
Beryllium	50.0	48.1	ug/L	96		SW846 6010B	06/28/06	6173338
	50.0	45.8	ug/L	92	4.9	SW846 6010B	06/28/06	6173338
			Dilution Factor: 1			Analysis Time..: 18:24		
Boron	1000	978	ug/L	98		SW846 6010B	06/28/06	6173338
	1000	964	ug/L	96	1.4	SW846 6010B	06/28/06	6173338
			Dilution Factor: 1			Analysis Time..: 18:24		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: CANNON9 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Calcium	50000	50200	ug/L	100		SW846 6010B	06/28/06	6173338
	50000	47700	ug/L	95	5.2	SW846 6010B	06/28/06	6173338
			Dilution Factor: 1			Analysis Time..: 18:24		
Cobalt	500	493	ug/L	99		SW846 6010B	06/28/06	6173338
	500	473	ug/L	95	4.1	SW846 6010B	06/28/06	6173338
			Dilution Factor: 1			Analysis Time..: 18:24		
Copper	250	261	ug/L	104		SW846 6010B	06/28/06	6173338
	250	246	ug/L	98	5.8	SW846 6010B	06/28/06	6173338
			Dilution Factor: 1			Analysis Time..: 18:24		
Iron	1000	990	ug/L	99		SW846 6010B	06/28/06	6173338
	1000	941	ug/L	94	5.1	SW846 6010B	06/28/06	6173338
			Dilution Factor: 1			Analysis Time..: 18:24		
Magnesium	50000	49900	ug/L	100		SW846 6010B	06/28/06	6173338
	50000	47700	ug/L	95	4.5	SW846 6010B	06/28/06	6173338
			Dilution Factor: 1			Analysis Time..: 18:24		
Manganese	500	499	ug/L	100		SW846 6010B	06/28/06	6173338
	500	472	ug/L	94	5.4	SW846 6010B	06/28/06	6173338
			Dilution Factor: 1			Analysis Time..: 18:24		
Molybdenum	1000	1020	ug/L	102		SW846 6010B	06/28/06	6173338
	1000	1010	ug/L	101	1.3	SW846 6010B	06/28/06	6173338
			Dilution Factor: 1			Analysis Time..: 18:24		
Nickel	500	494	ug/L	99		SW846 6010B	06/28/06	6173338
	500	475	ug/L	95	3.9	SW846 6010B	06/28/06	6173338
			Dilution Factor: 1			Analysis Time..: 18:24		
Potassium	50000	51300	ug/L	103		SW846 6010B	06/28/06	6173338
	50000	49200	ug/L	98	4.1	SW846 6010B	06/28/06	6173338
			Dilution Factor: 1			Analysis Time..: 18:24		
Silica	21400	20900	ug/L	97		SW846 6010B	06/28/06	6173338
	21400	20500	ug/L	96	1.8	SW846 6010B	06/28/06	6173338
			Dilution Factor: 1			Analysis Time..: 18:24		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: CANNON9 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sodium	50000	49800	ug/L	100		SW846 6010B	06/28/06	6173338
	50000	47800	ug/L	96	4.1	SW846 6010B	06/28/06	6173338
			Dilution Factor: 1			Analysis Time..: 18:24		
Tin	2000	2000	ug/L	100		SW846 6010B	06/28/06	6173338
	2000	1960	ug/L	98	1.8	SW846 6010B	06/28/06	6173338
			Dilution Factor: 1			Analysis Time..: 18:24		
Vanadium	500	499	ug/L	100		SW846 6010B	06/28/06	6173338
	500	477	ug/L	95	4.4	SW846 6010B	06/28/06	6173338
			Dilution Factor: 1			Analysis Time..: 18:24		
Zinc	500	503	ug/L	101		SW846 6010B	06/28/06	6173338
	500	474	ug/L	95	6.1	SW846 6010B	06/28/06	6173338
			Dilution Factor: 1			Analysis Time..: 18:24		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: CANNON9 **Matrix.....:** WATER
Date Sampled...: 06/06/06 10:55 **Date Received..:** 06/07/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D6F070190-001 **Prep Batch #...:** 6159310							
Mercury	106	(85 - 114)			SW846 7470A	06/08/06	H6V1P1A6
	103	(85 - 114)	3.0	(0-10)	SW846 7470A	06/08/06	H6V1P1A7
		Dilution Factor: 1					
		Analysis Time..: 18:54					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: CANNON9 **Matrix.....:** WATER
Date Sampled...: 06/06/06 10:55 **Date Received..:** 06/07/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D6F070190-001 **Prep Batch #...:** 6159310									
Mercury									
	ND	5.00	5.28	ug/L	106		SW846 7470A	06/08/06	H6V1P1A6
	ND	5.00	5.13	ug/L	103	3.0	SW846 7470A	06/08/06	H6V1P1A7

Dilution Factor: 1
Analysis Time..: 18:54

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: CANNON9 **Matrix.....:** WATER
Date Sampled...: 06/06/06 08:45 **Date Received..:** 06/07/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D6F070234-002 **Prep Batch #...:** 6159567							
Antimony	95	(71 - 128)			SW846 6020	06/10-06/13/06	H6WKP1C0
	98	(71 - 128)	3.8	(0-20)	SW846 6020	06/10-06/13/06	H6WKP1C1
		Dilution Factor: 1					
		Analysis Time..: 04:07					
Arsenic	95	(89 - 111)			SW846 6020	06/10-06/13/06	H6WKP1C2
	96	(89 - 111)	1.1	(0-20)	SW846 6020	06/10-06/13/06	H6WKP1C3
		Dilution Factor: 1					
		Analysis Time..: 04:07					
Cadmium	95	(89 - 111)			SW846 6020	06/10-06/13/06	H6WKP1C4
	98	(89 - 111)	2.8	(0-20)	SW846 6020	06/10-06/13/06	H6WKP1C5
		Dilution Factor: 1					
		Analysis Time..: 04:07					
Chromium	103	(86 - 124)			SW846 6020	06/10-06/13/06	H6WKP1DF
	105	(86 - 124)	2.1	(0-20)	SW846 6020	06/10-06/13/06	H6WKP1DG
		Dilution Factor: 1					
		Analysis Time..: 04:07					
Lead	99	(88 - 119)			SW846 6020	06/10-06/13/06	H6WKP1C6
	102	(88 - 119)	2.3	(0-20)	SW846 6020	06/10-06/13/06	H6WKP1C7
		Dilution Factor: 1					
		Analysis Time..: 04:07					
Selenium	90	(82 - 114)			SW846 6020	06/10-06/13/06	H6WKP1C8
	92	(82 - 114)	1.5	(0-20)	SW846 6020	06/10-06/13/06	H6WKP1C9
		Dilution Factor: 1					
		Analysis Time..: 04:07					
Silver	93	(90 - 114)			SW846 6020	06/10-06/13/06	H6WKP1DA
	96	(90 - 114)	3.2	(0-20)	SW846 6020	06/10-06/13/06	H6WKP1DC
		Dilution Factor: 1					
		Analysis Time..: 04:07					
Thallium	98	(86 - 124)			SW846 6020	06/10-06/13/06	H6WKP1DD
	102	(86 - 124)	3.0	(0-20)	SW846 6020	06/10-06/13/06	H6WKP1DE
		Dilution Factor: 1					
		Analysis Time..: 04:07					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: CANNON9 **Matrix.....:** WATER
Date Sampled...: 06/06/06 08:45 **Date Received..:** 06/07/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D6F070234-002 **Prep Batch #...:** 6159567									
Antimony									
	ND	40.0	37.8	ug/L	95		SW846 6020	06/10-06/13/06	H6WKP1C0
	ND	40.0	39.3	ug/L	98	3.8	SW846 6020	06/10-06/13/06	H6WKP1C1
			Dilution Factor: 1						
			Analysis Time..: 04:07						
Arsenic									
	4.9	40.0	42.9	ug/L	95		SW846 6020	06/10-06/13/06	H6WKP1C2
	4.9	40.0	43.4	ug/L	96	1.1	SW846 6020	06/10-06/13/06	H6WKP1C3
			Dilution Factor: 1						
			Analysis Time..: 04:07						
Cadmium									
	ND	40.0	38.2	ug/L	95		SW846 6020	06/10-06/13/06	H6WKP1C4
	ND	40.0	39.3	ug/L	98	2.8	SW846 6020	06/10-06/13/06	H6WKP1C5
			Dilution Factor: 1						
			Analysis Time..: 04:07						
Chromium									
	1.8	40.0	42.8	ug/L	103		SW846 6020	06/10-06/13/06	H6WKP1DF
	1.8	40.0	43.7	ug/L	105	2.1	SW846 6020	06/10-06/13/06	H6WKP1DG
			Dilution Factor: 1						
			Analysis Time..: 04:07						
Lead									
	0.28	40.0	40.0	ug/L	99		SW846 6020	06/10-06/13/06	H6WKP1C6
	0.28	40.0	40.9	ug/L	102	2.3	SW846 6020	06/10-06/13/06	H6WKP1C7
			Dilution Factor: 1						
			Analysis Time..: 04:07						
Selenium									
	6.7	40.0	42.6	ug/L	90		SW846 6020	06/10-06/13/06	H6WKP1C8
	6.7	40.0	43.3	ug/L	92	1.5	SW846 6020	06/10-06/13/06	H6WKP1C9
			Dilution Factor: 1						
			Analysis Time..: 04:07						
Silver									
	ND	40.0	37.2	ug/L	93		SW846 6020	06/10-06/13/06	H6WKP1DA
	ND	40.0	38.4	ug/L	96	3.2	SW846 6020	06/10-06/13/06	H6WKP1DC
			Dilution Factor: 1						
			Analysis Time..: 04:07						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: CANNON9 **Matrix.....:** WATER
Date Sampled...: 06/06/06 08:45 **Date Received..:** 06/07/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium									
	0.038	40.0	39.4	ug/L	98		SW846 6020	06/10-06/13/06	H6WKP1DD
	0.038	40.0	40.6	ug/L	102	3.0	SW846 6020	06/10-06/13/06	H6WKP1DE

Dilution Factor: 1
Analysis Time..: 04:07

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: CANNON9 **Matrix.....:** WATER
Date Sampled...: 06/06/06 10:00 **Date Received..:** 06/07/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D6F070231-001 **Prep Batch #...:** 6159602							
Aluminum	96	(83 - 119)			SW846 6010B	06/10-06/12/06	H6WG71CR
	98	(83 - 119)	1.3	(0-25)	SW846 6010B	06/10-06/12/06	H6WG71CT
		Dilution Factor: 1					
		Analysis Time..: 21:33					
Barium	104	(85 - 120)			SW846 6010B	06/10-06/12/06	H6WG71CU
	107	(85 - 120)	2.4	(0-25)	SW846 6010B	06/10-06/12/06	H6WG71CV
		Dilution Factor: 1					
		Analysis Time..: 21:33					
Beryllium	102	(79 - 121)			SW846 6010B	06/10-06/12/06	H6WG71CW
	102	(79 - 121)	0.66	(0-25)	SW846 6010B	06/10-06/12/06	H6WG71CX
		Dilution Factor: 1					
		Analysis Time..: 21:33					
Boron	102	(87 - 113)			SW846 6010B	06/10-06/12/06	H6WG71DU
	105	(87 - 113)	2.6	(0-25)	SW846 6010B	06/10-06/12/06	H6WG71DV
		Dilution Factor: 1					
		Analysis Time..: 21:33					
Calcium	104	(48 - 153)			SW846 6010B	06/10-06/12/06	H6WG71DD
	104	(48 - 153)	0.09	(0-25)	SW846 6010B	06/10-06/12/06	H6WG71DE
		Dilution Factor: 1					
		Analysis Time..: 21:33					
Cobalt	101	(82 - 119)			SW846 6010B	06/10-06/12/06	H6WG71DF
	103	(82 - 119)	1.4	(0-25)	SW846 6010B	06/10-06/12/06	H6WG71DG
		Dilution Factor: 1					
		Analysis Time..: 21:33					
Copper	110	(82 - 129)			SW846 6010B	06/10-06/12/06	H6WG71C0
	111	(82 - 129)	1.7	(0-25)	SW846 6010B	06/10-06/12/06	H6WG71C1
		Dilution Factor: 1					
		Analysis Time..: 21:33					
Iron	104	(52 - 155)			SW846 6010B	06/10-06/12/06	H6WG71C2
	105	(52 - 155)	0.21	(0-25)	SW846 6010B	06/10-06/12/06	H6WG71C3
		Dilution Factor: 1					
		Analysis Time..: 21:33					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: CANNON9 **Matrix.....:** WATER
Date Sampled...: 06/06/06 10:00 **Date Received..:** 06/07/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	107	(62 - 146)			SW846 6010B	06/10-06/12/06	H6WG71DK
	107	(62 - 146)	0.0	(0-25)	SW846 6010B	06/10-06/12/06	H6WG71DL
		Dilution Factor: 1					
		Analysis Time..: 21:33					
Manganese	102	(79 - 121)			SW846 6010B	06/10-06/12/06	H6WG71C4
	103	(79 - 121)	0.43	(0-25)	SW846 6010B	06/10-06/12/06	H6WG71C5
		Dilution Factor: 1					
		Analysis Time..: 21:33					
Molybdenum	105	(83 - 109)			SW846 6010B	06/10-06/12/06	H6WG71DM
	108	(83 - 109)	2.4	(0-25)	SW846 6010B	06/10-06/12/06	H6WG71DN
		Dilution Factor: 1					
		Analysis Time..: 21:33					
Nickel	102	(84 - 120)			SW846 6010B	06/10-06/12/06	H6WG71C6
	103	(84 - 120)	1.5	(0-25)	SW846 6010B	06/10-06/12/06	H6WG71C7
		Dilution Factor: 1					
		Analysis Time..: 21:33					
Potassium	108	(76 - 132)			SW846 6010B	06/10-06/12/06	H6WG71DH
	110	(76 - 132)	1.9	(0-25)	SW846 6010B	06/10-06/12/06	H6WG71DJ
		Dilution Factor: 1					
		Analysis Time..: 21:33					
Silica	102	(79 - 140)			SW846 6010B	06/10-06/12/06	H6WG71DR
	105	(79 - 140)	1.3	(0-25)	SW846 6010B	06/10-06/12/06	H6WG71DT
		Dilution Factor: 1					
		Analysis Time..: 21:33					
Sodium	105	(70 - 203)			SW846 6010B	06/10-06/12/06	H6WG71DP
	108	(70 - 203)	1.8	(0-40)	SW846 6010B	06/10-06/12/06	H6WG71DQ
		Dilution Factor: 1					
		Analysis Time..: 21:33					
Tin	103	(77 - 126)			SW846 6010B	06/10-06/12/06	H6WG71DW
	105	(77 - 126)	1.8	(0-25)	SW846 6010B	06/10-06/12/06	H6WG71DX
		Dilution Factor: 1					
		Analysis Time..: 21:33					
Vanadium	103	(85 - 120)			SW846 6010B	06/10-06/12/06	H6WG71C8
	104	(85 - 120)	0.61	(0-25)	SW846 6010B	06/10-06/12/06	H6WG71C9
		Dilution Factor: 1					
		Analysis Time..: 21:33					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: CANNON9 **Matrix.....:** WATER
Date Sampled...: 06/06/06 10:00 **Date Received..:** 06/07/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	103	(60 - 137)			SW846 6010B	06/10-06/12/06	H6WG71DA
	103	(60 - 137)	0.10	(0-25)	SW846 6010B	06/10-06/12/06	H6WG71DC

Dilution Factor: 1
Analysis Time..: 21:33

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: CANNON9 **Matrix.....:** WATER
Date Sampled...: 06/06/06 10:00 **Date Received..:** 06/07/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D6F070231-001 **Prep Batch #...:** 6159602									
Aluminum									
	26	2000	1950	ug/L	96		SW846 6010B	06/10-06/12/06	H6WG71CR
	26	2000	1980	ug/L	98	1.3	SW846 6010B	06/10-06/12/06	H6WG71CT
			Dilution Factor: 1						
			Analysis Time..: 21:33						
Barium									
	67	2000	2150	ug/L	104		SW846 6010B	06/10-06/12/06	H6WG71CU
	67	2000	2210	ug/L	107	2.4	SW846 6010B	06/10-06/12/06	H6WG71CV
			Dilution Factor: 1						
			Analysis Time..: 21:33						
Beryllium									
	ND	50.0	50.9	ug/L	102		SW846 6010B	06/10-06/12/06	H6WG71CW
	ND	50.0	51.2	ug/L	102	0.66	SW846 6010B	06/10-06/12/06	H6WG71CX
			Dilution Factor: 1						
			Analysis Time..: 21:33						
Boron									
	160	1000	1180	ug/L	102		SW846 6010B	06/10-06/12/06	H6WG71DU
	160	1000	1210	ug/L	105	2.6	SW846 6010B	06/10-06/12/06	H6WG71DV
			Dilution Factor: 1						
			Analysis Time..: 21:33						
Calcium									
	27000	50000	79000	ug/L	104		SW846 6010B	06/10-06/12/06	H6WG71DD
	27000	50000	79100	ug/L	104	0.09	SW846 6010B	06/10-06/12/06	H6WG71DE
			Dilution Factor: 1						
			Analysis Time..: 21:33						
Cobalt									
	1.3	500	508	ug/L	101		SW846 6010B	06/10-06/12/06	H6WG71DF
	1.3	500	515	ug/L	103	1.4	SW846 6010B	06/10-06/12/06	H6WG71DG
			Dilution Factor: 1						
			Analysis Time..: 21:33						
Copper									
	ND	250	277	ug/L	110		SW846 6010B	06/10-06/12/06	H6WG71C0
	ND	250	281	ug/L	111	1.7	SW846 6010B	06/10-06/12/06	H6WG71C1
			Dilution Factor: 1						
			Analysis Time..: 21:33						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: CANNON9 **Matrix.....:** WATER
Date Sampled...: 06/06/06 10:00 **Date Received..:** 06/07/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron									
	25	1000	1070	ug/L	104		SW846 6010B	06/10-06/12/06	H6WG71C2
	25	1000	1070	ug/L	105	0.21	SW846 6010B	06/10-06/12/06	H6WG71C3
			Dilution Factor: 1						
			Analysis Time..: 21:33						
Magnesium									
	23000	50000	76500	ug/L	107		SW846 6010B	06/10-06/12/06	H6WG71DK
	23000	50000	76500	ug/L	107	0.0	SW846 6010B	06/10-06/12/06	H6WG71DL
			Dilution Factor: 1						
			Analysis Time..: 21:33						
Manganese									
	1.9	500	513	ug/L	102		SW846 6010B	06/10-06/12/06	H6WG71C4
	1.9	500	515	ug/L	103	0.43	SW846 6010B	06/10-06/12/06	H6WG71C5
			Dilution Factor: 1						
			Analysis Time..: 21:33						
Molybdenum									
	10	1000	1070	ug/L	105		SW846 6010B	06/10-06/12/06	H6WG71DM
	10	1000	1090	ug/L	108	2.4	SW846 6010B	06/10-06/12/06	H6WG71DN
			Dilution Factor: 1						
			Analysis Time..: 21:33						
Nickel									
	ND	500	511	ug/L	102		SW846 6010B	06/10-06/12/06	H6WG71C6
	ND	500	519	ug/L	103	1.5	SW846 6010B	06/10-06/12/06	H6WG71C7
			Dilution Factor: 1						
			Analysis Time..: 21:33						
Potassium									
	6100	50000	59900	ug/L	108		SW846 6010B	06/10-06/12/06	H6WG71DH
	6100	50000	61000	ug/L	110	1.9	SW846 6010B	06/10-06/12/06	H6WG71DJ
			Dilution Factor: 1						
			Analysis Time..: 21:33						
Silica									
	38000	21400	59600	ug/L	102		SW846 6010B	06/10-06/12/06	H6WG71DR
	38000	21400	60300	ug/L	105	1.3	SW846 6010B	06/10-06/12/06	H6WG71DT
			Dilution Factor: 1						
			Analysis Time..: 21:33						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: CANNON9 **Matrix.....:** WATER
Date Sampled...: 06/06/06 10:00 **Date Received..:** 06/07/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium									
	45000	50000	97200	ug/L	105		SW846 6010B	06/10-06/12/06	H6WG71DP
	45000	50000	99000	ug/L	108	1.8	SW846 6010B	06/10-06/12/06	H6WG71DQ
			Dilution Factor: 1						
			Analysis Time..: 21:33						
Tin									
	ND	2000	2060	ug/L	103		SW846 6010B	06/10-06/12/06	H6WG71DW
	ND	2000	2100	ug/L	105	1.8	SW846 6010B	06/10-06/12/06	H6WG71DX
			Dilution Factor: 1						
			Analysis Time..: 21:33						
Vanadium									
	51	500	567	ug/L	103		SW846 6010B	06/10-06/12/06	H6WG71C8
	51	500	570	ug/L	104	0.61	SW846 6010B	06/10-06/12/06	H6WG71C9
			Dilution Factor: 1						
			Analysis Time..: 21:33						
Zinc									
	15	500	528	ug/L	103		SW846 6010B	06/10-06/12/06	H6WG71DA
	15	500	528	ug/L	103	0.10	SW846 6010B	06/10-06/12/06	H6WG71DC
			Dilution Factor: 1						
			Analysis Time..: 21:33						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: CANNON9 **Matrix.....:** WATER
Date Sampled...: 06/06/06 13:15 **Date Received..:** 06/08/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D6F080262-004 **Prep Batch #...:** 6170376							
Mercury	99	(85 - 114)			SW846 7470A	06/26/06	H61VN1FD
	99	(85 - 114)	0.04	(0-10)	SW846 7470A	06/26/06	H61VN1FE
		Dilution Factor: 1					
		Analysis Time..: 18:33					
MS Lot-Sample #: D6F080262-004 **Prep Batch #...:** 6173296							
Antimony	95	(71 - 128)			SW846 6020	06/28/06	H61VN1EU
	94	(71 - 128)	0.61	(0-20)	SW846 6020	06/28/06	H61VN1EV
		Dilution Factor: 1					
		Analysis Time..: 20:41					
Arsenic	93	(89 - 111)			SW846 6020	06/28/06	H61VN1EW
	91	(89 - 111)	1.6	(0-20)	SW846 6020	06/28/06	H61VN1EX
		Dilution Factor: 1					
		Analysis Time..: 20:41					
Cadmium	93	(89 - 111)			SW846 6020	06/28/06	H61VN1E0
	92	(89 - 111)	0.65	(0-20)	SW846 6020	06/28/06	H61VN1E1
		Dilution Factor: 1					
		Analysis Time..: 20:41					
Chromium	109	(86 - 124)			SW846 6020	06/28/06	H61VN1FA
	107	(86 - 124)	1.9	(0-20)	SW846 6020	06/28/06	H61VN1FC
		Dilution Factor: 1					
		Analysis Time..: 20:41					
Lead	96	(88 - 119)			SW846 6020	06/28/06	H61VN1E2
	93	(88 - 119)	2.4	(0-20)	SW846 6020	06/28/06	H61VN1E3
		Dilution Factor: 1					
		Analysis Time..: 20:41					
Selenium	89	(82 - 114)			SW846 6020	06/28/06	H61VN1E4
	84	(82 - 114)	4.9	(0-20)	SW846 6020	06/28/06	H61VN1E5
		Dilution Factor: 1					
		Analysis Time..: 20:41					
Silver	93	(90 - 114)			SW846 6020	06/28/06	H61VN1E6
	93	(90 - 114)	0.14	(0-20)	SW846 6020	06/28/06	H61VN1E7
		Dilution Factor: 1					
		Analysis Time..: 20:41					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: CANNON9 **Matrix.....:** WATER
Date Sampled...: 06/06/06 13:15 **Date Received..:** 06/08/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	99	(86 - 124)			SW846 6020	06/28/06	H61VN1E8
	96	(86 - 124)	2.9	(0-20)	SW846 6020	06/28/06	H61VN1E9
		Dilution Factor: 1					
		Analysis Time..: 20:41					

MS Lot-Sample #: D6F080262-004 **Prep Batch #...:** 6173338

Aluminum	89	(83 - 119)			SW846 6010B	06/28/06	H61VN1C4
	84	(83 - 119)	5.7	(0-25)	SW846 6010B	06/28/06	H61VN1C5
		Dilution Factor: 1					
		Analysis Time..: 19:23					
Barium	100	(85 - 120)			SW846 6010B	06/28/06	H61VN1C6
	97	(85 - 120)	3.0	(0-25)	SW846 6010B	06/28/06	H61VN1C7
		Dilution Factor: 1					
		Analysis Time..: 19:23					
Beryllium	95	(79 - 121)			SW846 6010B	06/28/06	H61VN1C8
	92	(79 - 121)	3.1	(0-25)	SW846 6010B	06/28/06	H61VN1C9
		Dilution Factor: 1					
		Analysis Time..: 19:23					
Boron	98	(87 - 113)			SW846 6010B	06/28/06	H61VN1D6
	98	(87 - 113)	0.53	(0-25)	SW846 6010B	06/28/06	H61VN1D7
		Dilution Factor: 1					
		Analysis Time..: 19:23					
Calcium	94	(48 - 153)			SW846 6010B	06/28/06	H61VN1DP
	93	(48 - 153)	0.53	(0-25)	SW846 6010B	06/28/06	H61VN1DQ
		Dilution Factor: 1					
		Analysis Time..: 19:23					
Cobalt	97	(82 - 119)			SW846 6010B	06/28/06	H61VN1DR
	94	(82 - 119)	3.2	(0-25)	SW846 6010B	06/28/06	H61VN1DT
		Dilution Factor: 1					
		Analysis Time..: 19:23					
Copper	102	(82 - 129)			SW846 6010B	06/28/06	H61VN1DA
	99	(82 - 129)	3.5	(0-25)	SW846 6010B	06/28/06	H61VN1DC
		Dilution Factor: 1					
		Analysis Time..: 19:23					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: CANNON9 **Matrix.....:** WATER
Date Sampled...: 06/06/06 13:15 **Date Received..:** 06/08/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	96	(52 - 155)			SW846 6010B	06/28/06	H61VN1DD
	94	(52 - 155)	1.8	(0-25)	SW846 6010B	06/28/06	H61VN1DE
		Dilution Factor: 1					
		Analysis Time..: 19:23					
Magnesium	97	(62 - 146)			SW846 6010B	06/28/06	H61VN1DW
	96	(62 - 146)	0.19	(0-25)	SW846 6010B	06/28/06	H61VN1DX
		Dilution Factor: 1					
		Analysis Time..: 19:23					
Manganese	98	(79 - 121)			SW846 6010B	06/28/06	H61VN1DF
	94	(79 - 121)	4.0	(0-25)	SW846 6010B	06/28/06	H61VN1DG
		Dilution Factor: 1					
		Analysis Time..: 19:23					
Molybdenum	102	(83 - 109)			SW846 6010B	06/28/06	H61VN1D0
	102	(83 - 109)	0.25	(0-25)	SW846 6010B	06/28/06	H61VN1D1
		Dilution Factor: 1					
		Analysis Time..: 19:23					
Nickel	97	(84 - 120)			SW846 6010B	06/28/06	H61VN1DH
	94	(84 - 120)	3.1	(0-25)	SW846 6010B	06/28/06	H61VN1DJ
		Dilution Factor: 1					
		Analysis Time..: 19:23					
Potassium	103	(76 - 132)			SW846 6010B	06/28/06	H61VN1DU
	100	(76 - 132)	2.8	(0-25)	SW846 6010B	06/28/06	H61VN1DV
		Dilution Factor: 1					
		Analysis Time..: 19:23					
Silica	83	(79 - 140)			SW846 6010B	06/28/06	H61VN1D4
	90	(79 - 140)	2.3	(0-25)	SW846 6010B	06/28/06	H61VN1D5
		Dilution Factor: 1					
		Analysis Time..: 19:23					
Sodium	94	(70 - 203)			SW846 6010B	06/28/06	H61VN1D2
	93	(70 - 203)	0.43	(0-40)	SW846 6010B	06/28/06	H61VN1D3
		Dilution Factor: 1					
		Analysis Time..: 19:23					
Tin	100	(77 - 126)			SW846 6010B	06/28/06	H61VN1D8
	99	(77 - 126)	0.20	(0-25)	SW846 6010B	06/28/06	H61VN1D9
		Dilution Factor: 1					
		Analysis Time..: 19:23					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: CANNON9 **Matrix.....:** WATER
Date Sampled...: 06/06/06 13:15 **Date Received..:** 06/08/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	98	(85 - 120)			SW846 6010B	06/28/06	H61VN1DK
	95	(85 - 120)	2.6	(0-25)	SW846 6010B	06/28/06	H61VN1DL
		Dilution Factor: 1					
		Analysis Time..: 19:23					
Zinc	97	(60 - 137)			SW846 6010B	06/28/06	H61VN1DM
	91	(60 - 137)	6.2	(0-25)	SW846 6010B	06/28/06	H61VN1DN
		Dilution Factor: 1					
		Analysis Time..: 19:23					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: CANNON9 **Matrix.....:** WATER
Date Sampled...: 06/06/06 13:15 **Date Received..:** 06/08/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D6F080262-004 **Prep Batch #...:** 6170376									
Mercury									
	ND	5.00	4.97	ug/L	99		SW846 7470A	06/26/06	H61VN1FD
	ND	5.00	4.97	ug/L	99	0.04	SW846 7470A	06/26/06	H61VN1FE
			Dilution Factor: 1						
			Analysis Time..: 18:33						
MS Lot-Sample #: D6F080262-004 **Prep Batch #...:** 6173296									
Antimony									
	0.24	40.0	38.2	ug/L	95		SW846 6020	06/28/06	H61VN1EU
	0.24	40.0	38.0	ug/L	94	0.61	SW846 6020	06/28/06	H61VN1EV
			Dilution Factor: 1						
			Analysis Time..: 20:41						
Arsenic									
	4.6	40.0	41.7	ug/L	93		SW846 6020	06/28/06	H61VN1EW
	4.6	40.0	41.0	ug/L	91	1.6	SW846 6020	06/28/06	H61VN1EX
			Dilution Factor: 1						
			Analysis Time..: 20:41						
Cadmium									
	ND	40.0	37.1	ug/L	93		SW846 6020	06/28/06	H61VN1E0
	ND	40.0	36.9	ug/L	92	0.65	SW846 6020	06/28/06	H61VN1E1
			Dilution Factor: 1						
			Analysis Time..: 20:41						
Chromium									
	1.2	40.0	44.7	ug/L	109		SW846 6020	06/28/06	H61VN1FA
	1.2	40.0	43.9	ug/L	107	1.9	SW846 6020	06/28/06	H61VN1FC
			Dilution Factor: 1						
			Analysis Time..: 20:41						
Lead									
	0.36	40.0	38.6	ug/L	96		SW846 6020	06/28/06	H61VN1E2
	0.36	40.0	37.7	ug/L	93	2.4	SW846 6020	06/28/06	H61VN1E3
			Dilution Factor: 1						
			Analysis Time..: 20:41						
Selenium									
	ND	40.0	35.6	ug/L	89		SW846 6020	06/28/06	H61VN1E4
	ND	40.0	33.9	ug/L	84	4.9	SW846 6020	06/28/06	H61VN1E5
			Dilution Factor: 1						
			Analysis Time..: 20:41						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: CANNON9 **Matrix.....:** WATER
Date Sampled...: 06/06/06 13:15 **Date Received..:** 06/08/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver									
	ND	40.0	37.3	ug/L	93		SW846 6020	06/28/06	H61VN1E6
	ND	40.0	37.3	ug/L	93	0.14	SW846 6020	06/28/06	H61VN1E7
			Dilution Factor: 1						
			Analysis Time..: 20:41						
Thallium									
	ND	40.0	39.4	ug/L	99		SW846 6020	06/28/06	H61VN1E8
	ND	40.0	38.3	ug/L	96	2.9	SW846 6020	06/28/06	H61VN1E9
			Dilution Factor: 1						
			Analysis Time..: 20:41						

MS Lot-Sample #: D6F080262-004 **Prep Batch #...:** 6173338

Aluminum									
	25	2000	1810	ug/L	89		SW846 6010B	06/28/06	H61VN1C4
	25	2000	1710	ug/L	84	5.7	SW846 6010B	06/28/06	H61VN1C5
			Dilution Factor: 1						
			Analysis Time..: 19:23						
Barium									
	93	2000	2090	ug/L	100		SW846 6010B	06/28/06	H61VN1C6
	93	2000	2020	ug/L	97	3.0	SW846 6010B	06/28/06	H61VN1C7
			Dilution Factor: 1						
			Analysis Time..: 19:23						
Beryllium									
	ND	50.0	47.3	ug/L	95		SW846 6010B	06/28/06	H61VN1C8
	ND	50.0	45.9	ug/L	92	3.1	SW846 6010B	06/28/06	H61VN1C9
			Dilution Factor: 1						
			Analysis Time..: 19:23						
Boron									
	200	1000	1170	ug/L	98		SW846 6010B	06/28/06	H61VN1D6
	200	1000	1180	ug/L	98	0.53	SW846 6010B	06/28/06	H61VN1D7
			Dilution Factor: 1						
			Analysis Time..: 19:23						
Calcium									
	34000	50000	81100	ug/L	94		SW846 6010B	06/28/06	H61VN1DP
	34000	50000	80600	ug/L	93	0.53	SW846 6010B	06/28/06	H61VN1DQ
			Dilution Factor: 1						
			Analysis Time..: 19:23						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: CANNON9 **Matrix.....:** WATER
Date Sampled...: 06/06/06 13:15 **Date Received..:** 06/08/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt									
	ND	500	486	ug/L	97		SW846 6010B	06/28/06	H61VN1DR
	ND	500	470	ug/L	94	3.2	SW846 6010B	06/28/06	H61VN1DT
			Dilution Factor: 1						
			Analysis Time..: 19:23						
Copper									
	8.2	250	264	ug/L	102		SW846 6010B	06/28/06	H61VN1DA
	8.2	250	254	ug/L	99	3.5	SW846 6010B	06/28/06	H61VN1DC
			Dilution Factor: 1						
			Analysis Time..: 19:23						
Iron									
	200	1000	1170	ug/L	96		SW846 6010B	06/28/06	H61VN1DD
	200	1000	1140	ug/L	94	1.8	SW846 6010B	06/28/06	H61VN1DE
			Dilution Factor: 1						
			Analysis Time..: 19:23						
Magnesium									
	32000	50000	80800	ug/L	97		SW846 6010B	06/28/06	H61VN1DW
	32000	50000	80600	ug/L	96	0.19	SW846 6010B	06/28/06	H61VN1DX
			Dilution Factor: 1						
			Analysis Time..: 19:23						
Manganese									
	4.3	500	495	ug/L	98		SW846 6010B	06/28/06	H61VN1DF
	4.3	500	476	ug/L	94	4.0	SW846 6010B	06/28/06	H61VN1DG
			Dilution Factor: 1						
			Analysis Time..: 19:23						
Molybdenum									
	ND	1000	1020	ug/L	102		SW846 6010B	06/28/06	H61VN1D0
	ND	1000	1020	ug/L	102	0.25	SW846 6010B	06/28/06	H61VN1D1
			Dilution Factor: 1						
			Analysis Time..: 19:23						
Nickel									
	ND	500	486	ug/L	97		SW846 6010B	06/28/06	H61VN1DH
	ND	500	471	ug/L	94	3.1	SW846 6010B	06/28/06	H61VN1DJ
			Dilution Factor: 1						
			Analysis Time..: 19:23						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: CANNON9 **Matrix.....:** WATER
Date Sampled...: 06/06/06 13:15 **Date Received..:** 06/08/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium									
	6300	50000	58000	ug/L	103		SW846 6010B	06/28/06	H61VN1DU
	6300	50000	56400	ug/L	100	2.8	SW846 6010B	06/28/06	H61VN1DV
			Dilution Factor: 1						
			Analysis Time..: 19:23						
Silica									
	41000	21400	59300	ug/L	83		SW846 6010B	06/28/06	H61VN1D4
	41000	21400	60700	ug/L	90	2.3	SW846 6010B	06/28/06	H61VN1D5
			Dilution Factor: 1						
			Analysis Time..: 19:23						
Sodium									
	49000	50000	95800	ug/L	94		SW846 6010B	06/28/06	H61VN1D2
	49000	50000	95400	ug/L	93	0.43	SW846 6010B	06/28/06	H61VN1D3
			Dilution Factor: 1						
			Analysis Time..: 19:23						
Tin									
	ND	2000	1990	ug/L	100		SW846 6010B	06/28/06	H61VN1D8
	ND	2000	1990	ug/L	99	0.20	SW846 6010B	06/28/06	H61VN1D9
			Dilution Factor: 1						
			Analysis Time..: 19:23						
Vanadium									
	39	500	529	ug/L	98		SW846 6010B	06/28/06	H61VN1DK
	39	500	515	ug/L	95	2.6	SW846 6010B	06/28/06	H61VN1DL
			Dilution Factor: 1						
			Analysis Time..: 19:23						
Zinc									
	16	500	500	ug/L	97		SW846 6010B	06/28/06	H61VN1DM
	16	500	470	ug/L	91	6.2	SW846 6010B	06/28/06	H61VN1DN
			Dilution Factor: 1						
			Analysis Time..: 19:23						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: CANNON9 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide		Work Order #: H68H01AA		MB Lot-Sample #:	D6F080000-590	
	ND	0.20	mg/L	MCAWW 300.0A	06/07/06	6159590
		Dilution Factor: 1				
		Analysis Time..: 12:08				
Bromide		Work Order #: H657L1AA		MB Lot-Sample #:	D6F090000-525	
	ND	0.20	mg/L	MCAWW 300.0A	06/08/06	6160525
		Dilution Factor: 1				
		Analysis Time..: 12:52				
Chloride		Work Order #: H68HT1AA		MB Lot-Sample #:	D6F080000-586	
	ND	3.0	mg/L	MCAWW 300.0A	06/07/06	6159586
		Dilution Factor: 1				
		Analysis Time..: 12:08				
Chloride		Work Order #: H657H1AA		MB Lot-Sample #:	D6F090000-520	
	ND	3.0	mg/L	MCAWW 300.0A	06/08/06	6160520
		Dilution Factor: 1				
		Analysis Time..: 12:52				
Fluoride		Work Order #: H68HP1AA		MB Lot-Sample #:	D6F080000-587	
	ND	1.0	mg/L	MCAWW 300.0A	06/07/06	6159587
		Dilution Factor: 1				
		Analysis Time..: 12:08				
Fluoride		Work Order #: H657E1AA		MB Lot-Sample #:	D6F090000-521	
	ND	1.0	mg/L	MCAWW 300.0A	06/08/06	6160521
		Dilution Factor: 1				
		Analysis Time..: 12:52				
Nitrate		Work Order #: H68H31AA		MB Lot-Sample #:	D6F080000-585	
	ND	0.50	mg/L	MCAWW 300.0A	06/07/06	6159585
		Dilution Factor: 1				
		Analysis Time..: 12:08				
Nitrate		Work Order #: H7D931AA		MB Lot-Sample #:	D6F140000-218	
	ND	0.10	mg/L	MCAWW 353.2	06/07/06	6165218
		Dilution Factor: 1				
		Analysis Time..: 18:25				
Nitrate		Work Order #: H657M1AA		MB Lot-Sample #:	D6F090000-522	
	ND	0.50	mg/L	MCAWW 300.0A	06/08/06	6160522
		Dilution Factor: 1				
		Analysis Time..: 12:52				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: CANNON9 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate		Work Order #: H8H7H1AA		MB Lot-Sample #:	D6F300000-252	
	ND	0.10	mg/L	MCAWW 353.2	06/08/06	6181252
		Dilution Factor: 1				
		Analysis Time..: 18:30				
Phosphate as P, Ortho		Work Order #: H68H61AA		MB Lot-Sample #:	D6F080000-588	
	ND	0.50	mg/L	MCAWW 300.0A	06/07/06	6159588
		Dilution Factor: 1				
		Analysis Time..: 12:08				
Phosphate as P, Ortho		Work Order #: H657W1AA		MB Lot-Sample #:	D6F090000-523	
	ND	0.50	mg/L	MCAWW 300.0A	06/08/06	6160523
		Dilution Factor: 1				
		Analysis Time..: 12:52				
Sulfate		Work Order #: H68H91AA		MB Lot-Sample #:	D6F080000-589	
	0.88 B	**5.0**	**mg/L**	**MCAWW 300.0A**	**06/07/06**	**6159589**
		Dilution Factor: 1				
		Analysis Time..: 12:08				
Sulfate		Work Order #: H65721AA		MB Lot-Sample #:	D6F090000-524	
	0.98 B	**5.0**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160524**
		Dilution Factor: 1				
		Analysis Time..: 12:52				
Total Alkalinity		Work Order #: H676D1AA		MB Lot-Sample #:	D6F120000-130	
	ND	5.0	mg/L	MCAWW 310.1	06/09/06	6163130
		Dilution Factor: 1				
		Analysis Time..: 11:00				
Total Alkalinity		Work Order #: H7NVQ1AA		MB Lot-Sample #:	D6F160000-114	
	ND	5.0	mg/L	MCAWW 310.1	06/15/06	6167114
		Dilution Factor: 1				
		Analysis Time..: 15:30				
Total Cyanide		Work Order #: H64M11AA		MB Lot-Sample #:	D6F090000-362	
	ND	0.010	mg/L	MCAWW 335.3	06/08/06	6160362
		Dilution Factor: 1				
		Analysis Time..: 11:00				
Total Cyanide		Work Order #: H7HRR1AA		MB Lot-Sample #:	D6F150000-489	
	ND	0.010	mg/L	MCAWW 335.3	06/14-06/15/06	6166489
		Dilution Factor: 1				
		Analysis Time..: 09:00				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: CANNON9 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		Work Order #: H7HRV1AA		MB Lot-Sample #:	D6F150000-491	
	ND	0.010	mg/L	MCAWW 335.3	06/14-06/15/06	6166491
		Dilution Factor: 1				
		Analysis Time..: 13:00				
Total Dissolved Solids		Work Order #: H695A1AA		MB Lot-Sample #:	D6F090000-112	
	ND	10	mg/L	MCAWW 160.1	06/08/06	6160112
		Dilution Factor: 1				
		Analysis Time..: 14:30				
Total Dissolved Solids		Work Order #: H7F481AA		MB Lot-Sample #:	D6F130000-155	
	ND	10	mg/L	MCAWW 160.1	06/12/06	6164155
		Dilution Factor: 1				
		Analysis Time..: 16:00				
Total Dissolved Solids		Work Order #: H7ANM1AC		MB Lot-Sample #:	D6F130000-156	
	ND	10	mg/L	MCAWW 160.1	06/12/06	6164156
		Dilution Factor: 1				
		Analysis Time..: 17:00				
Total Organic Halogens		Work Order #: H63NM1AA		MB Lot-Sample #:	D6F090000-107	
	ND	30	ug/L	SW846 9020B	06/08/06	6160107
		Dilution Factor: 1				
		Analysis Time..: 10:00				
Total Organic Halogens		Work Order #: H8NKT1AA		MB Lot-Sample #:	D6G050000-117	
	ND	30	ug/L	SW846 9020B	07/03/06	6186117
		Dilution Factor: 1				
		Analysis Time..: 10:00				
Total Organic Carbon		Work Order #: H7GEC1AA		MB Lot-Sample #:	D6F150000-242	
	0.24 B	**1.0**	**mg/L**	**SW846 9060**	**06/09-06/10/06**	**6166242**
		Dilution Factor: 1				
		Analysis Time..: 04:45				
Total Organic Carbon		Work Order #: H8GD71AA		MB Lot-Sample #:	D6F290000-385	
	0.62 B	**1.0**	**mg/L**	**SW846 9060**	**06/28/06**	**6180385**
		Dilution Factor: 1				
		Analysis Time..: 16:45				

NOTE(S):

off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: CANNON9 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide		WO#:H657L1AC-LCS/H657L1AD-LCSD				LCS Lot-Sample#: D6F090000-525	
	95	(90 - 110)			MCAWW 300.0A	06/08/06	6160525
	94	(90 - 110)	0.63	(0-10)	MCAWW 300.0A	06/08/06	6160525
		Dilution Factor: 1			Analysis Time..: 12:18		
Bromide		WO#:H68H01AC-LCS/H68H01AD-LCSD				LCS Lot-Sample#: D6F080000-590	
	101	(90 - 110)			MCAWW 300.0A	06/07/06	6159590
	101	(90 - 110)	0.33	(0-10)	MCAWW 300.0A	06/07/06	6159590
		Dilution Factor: 1			Analysis Time..: 11:35		
Chloride		WO#:H657H1AC-LCS/H657H1AD-LCSD				LCS Lot-Sample#: D6F090000-520	
	92	(90 - 110)			MCAWW 300.0A	06/08/06	6160520
	91	(90 - 110)	0.53	(0-10)	MCAWW 300.0A	06/08/06	6160520
		Dilution Factor: 1			Analysis Time..: 12:18		
Chloride		WO#:H68HT1AC-LCS/H68HT1AD-LCSD				LCS Lot-Sample#: D6F080000-586	
	98	(90 - 110)			MCAWW 300.0A	06/07/06	6159586
	98	(90 - 110)	0.12	(0-10)	MCAWW 300.0A	06/07/06	6159586
		Dilution Factor: 1			Analysis Time..: 11:35		
Fluoride		WO#:H657E1AC-LCS/H657E1AD-LCSD				LCS Lot-Sample#: D6F090000-521	
	94	(90 - 110)			MCAWW 300.0A	06/08/06	6160521
	94	(90 - 110)	0.05	(0-10)	MCAWW 300.0A	06/08/06	6160521
		Dilution Factor: 1			Analysis Time..: 12:18		
Fluoride		WO#:H68HP1AC-LCS/H68HP1AD-LCSD				LCS Lot-Sample#: D6F080000-587	
	100	(90 - 110)			MCAWW 300.0A	06/07/06	6159587
	100	(90 - 110)	0.73	(0-10)	MCAWW 300.0A	06/07/06	6159587
		Dilution Factor: 1			Analysis Time..: 11:35		
Nitrate		WO#:H657M1AC-LCS/H657M1AD-LCSD				LCS Lot-Sample#: D6F090000-522	
	90	(90 - 110)			MCAWW 300.0A	06/08/06	6160522
	90	(90 - 110)	0.50	(0-10)	MCAWW 300.0A	06/08/06	6160522
		Dilution Factor: 1			Analysis Time..: 12:18		
Nitrate		WO#:H68H31AC-LCS/H68H31AD-LCSD				LCS Lot-Sample#: D6F080000-585	
	96	(90 - 110)			MCAWW 300.0A	06/07/06	6159585
	96	(90 - 110)	0.18	(0-10)	MCAWW 300.0A	06/07/06	6159585
		Dilution Factor: 1			Analysis Time..: 11:35		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: CANNON9 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate		WO#:H7D931AC-LCS/H7D931AD-LCSD				LCS Lot-Sample#: D6F140000-218	
	103	(86 - 110)			MCAWW 353.2	06/07/06	6165218
	103	(86 - 110)	0.0	(0-10)	MCAWW 353.2	06/07/06	6165218
		Dilution Factor: 1			Analysis Time..: 18:25		
Nitrate		WO#:H8H7H1AC-LCS/H8H7H1AD-LCSD				LCS Lot-Sample#: D6F300000-252	
	108	(86 - 110)			MCAWW 353.2	06/08/06	6181252
	97 *	(86 - 110)	12	(0-10)	MCAWW 353.2	06/08/06	6181252
		Dilution Factor: 1			Analysis Time..: 18:30		
Phosphate as P, Ortho		WO#:H657W1AC-LCS/H657W1AD-LCSD				LCS Lot-Sample#: D6F090000-523	
	95	(90 - 110)			MCAWW 300.0A	06/08/06	6160523
	95	(90 - 110)	0.21	(0-10)	MCAWW 300.0A	06/08/06	6160523
		Dilution Factor: 1			Analysis Time..: 12:18		
Phosphate as P, Ortho		WO#:H68H61AC-LCS/H68H61AD-LCSD				LCS Lot-Sample#: D6F080000-588	
	101	(90 - 110)			MCAWW 300.0A	06/07/06	6159588
	103	(90 - 110)	2.2	(0-10)	MCAWW 300.0A	06/07/06	6159588
		Dilution Factor: 1			Analysis Time..: 11:35		
Sulfate		WO#:H65721AC-LCS/H65721AD-LCSD				LCS Lot-Sample#: D6F090000-524	
	90	(90 - 110)			MCAWW 300.0A	06/08/06	6160524
	90	(90 - 110)	0.0	(0-10)	MCAWW 300.0A	06/08/06	6160524
		Dilution Factor: 1			Analysis Time..: 12:18		
Sulfate		WO#:H68H91AC-LCS/H68H91AD-LCSD				LCS Lot-Sample#: D6F080000-589	
	97	(90 - 110)			MCAWW 300.0A	06/07/06	6159589
	97	(90 - 110)	0.27	(0-10)	MCAWW 300.0A	06/07/06	6159589
		Dilution Factor: 1			Analysis Time..: 11:35		
Total Alkalinity		WO#:H676D1AC-LCS/H676D1AD-LCSD				LCS Lot-Sample#: D6F120000-130	
	97	(90 - 110)			MCAWW 310.1	06/09/06	6163130
	98	(90 - 110)	0.38	(0-10)	MCAWW 310.1	06/09/06	6163130
		Dilution Factor: 1			Analysis Time..: 11:00		
Total Alkalinity		WO#:H7NVQ1AC-LCS/H7NVQ1AD-LCSD				LCS Lot-Sample#: D6F160000-114	
	96	(90 - 110)			MCAWW 310.1	06/15/06	6167114
	95	(90 - 110)	0.91	(0-10)	MCAWW 310.1	06/15/06	6167114
		Dilution Factor: 1			Analysis Time..: 15:30		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: CANNON9 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		WO#:H64M11AC-LCS/H64M11AD-LCSD				LCS Lot-Sample#: D6F090000-362	
	109	(82 - 114)			MCAWW 335.3	06/08/06	6160362
	109	(82 - 114)	0.0	(0-10)	MCAWW 335.3	06/08/06	6160362
		Dilution Factor: 1			Analysis Time..: 11:00		
Total Cyanide		WO#:H7HRR1AC-LCS/H7HRR1AD-LCSD				LCS Lot-Sample#: D6F150000-489	
	109	(82 - 114)			MCAWW 335.3	06/14-06/15/06	6166489
	109	(82 - 114)	0.0	(0-10)	MCAWW 335.3	06/14-06/15/06	6166489
		Dilution Factor: 1			Analysis Time..: 09:00		
Total Cyanide		WO#:H7HRV1AC-LCS/H7HRV1AD-LCSD				LCS Lot-Sample#: D6F150000-491	
	103	(82 - 114)			MCAWW 335.3	06/14-06/15/06	6166491
	100	(82 - 114)	3.2	(0-10)	MCAWW 335.3	06/14-06/15/06	6166491
		Dilution Factor: 1			Analysis Time..: 13:00		
Total Dissolved Solids		WO#:H695A1AC-LCS/H695A1AD-LCSD				LCS Lot-Sample#: D6F090000-112	
	101	(86 - 106)			MCAWW 160.1	06/08/06	6160112
	101	(86 - 106)	0.19	(0-20)	MCAWW 160.1	06/08/06	6160112
		Dilution Factor: 1			Analysis Time..: 14:30		
Total Dissolved Solids		WO#:H7ANM1AD-LCS/H7ANM1AE-LCSD				LCS Lot-Sample#: D6F130000-156	
	99	(86 - 106)			MCAWW 160.1	06/12/06	6164156
	100	(86 - 106)	1.2	(0-20)	MCAWW 160.1	06/12/06	6164156
		Dilution Factor: 1			Analysis Time..: 17:00		
Total Dissolved Solids		WO#:H7F481AC-LCS/H7F481AD-LCSD				LCS Lot-Sample#: D6F130000-155	
	99	(86 - 106)			MCAWW 160.1	06/12/06	6164155
	101	(86 - 106)	1.4	(0-20)	MCAWW 160.1	06/12/06	6164155
		Dilution Factor: 1			Analysis Time..: 16:00		
Total Organic Halogens		WO#:H63NM1AC-LCS/H63NM1AD-LCSD				LCS Lot-Sample#: D6F090000-107	
	95	(78 - 114)			SW846 9020B	06/08/06	6160107
	98	(78 - 114)	3.1	(0-23)	SW846 9020B	06/08/06	6160107
		Dilution Factor: 1			Analysis Time..: 10:00		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: CANNON9 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Halogens		WO#:H8NKT1AC-LCS/H8NKT1AD-LCSD				LCS Lot-Sample#: D6G050000-117	
	102	(78 - 114)			SW846 9020B	07/03/06	6186117
	103	(78 - 114)	0.97	(0-23)	SW846 9020B	07/03/06	6186117
		Dilution Factor: 1			Analysis Time..: 10:00		
Total Organic Carbon		WO#:H7GEC1AC-LCS/H7GEC1AD-LCSD				LCS Lot-Sample#: D6F150000-242	
	90	(86 - 114)			SW846 9060	06/09-06/10/06	6166242
	94	(86 - 114)	5.4	(0-12)	SW846 9060	06/09-06/10/06	6166242
		Dilution Factor: 1			Analysis Time..: 04:30		
Total Organic Carbon		WO#:H8GD71AC-LCS/H8GD71AD-LCSD				LCS Lot-Sample#: D6F290000-385	
	101	(86 - 114)			SW846 9060	06/28/06	6180385
	101	(86 - 114)	0.11	(0-12)	SW846 9060	06/28/06	6180385
		Dilution Factor: 1			Analysis Time..: 16:00		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

* Relative percent difference (RPD) is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: CANNON9 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide			WO#:H657L1AC-LCS/H657L1AD-LCSD			LCS Lot-Sample#: D6F090000-525		
	4.00	3.79	mg/L	95		MCAWW 300.0A	06/08/06	6160525
	4.00	3.76	mg/L	94	0.63	MCAWW 300.0A	06/08/06	6160525
			Dilution Factor: 1			Analysis Time..: 12:18		
Bromide			WO#:H68H01AC-LCS/H68H01AD-LCSD			LCS Lot-Sample#: D6F080000-590		
	4.00	4.03	mg/L	101		MCAWW 300.0A	06/07/06	6159590
	4.00	4.04	mg/L	101	0.33	MCAWW 300.0A	06/07/06	6159590
			Dilution Factor: 1			Analysis Time..: 11:35		
Chloride			WO#:H657H1AC-LCS/H657H1AD-LCSD			LCS Lot-Sample#: D6F090000-520		
	20.0	18.4	mg/L	92		MCAWW 300.0A	06/08/06	6160520
	20.0	18.3	mg/L	91	0.53	MCAWW 300.0A	06/08/06	6160520
			Dilution Factor: 1			Analysis Time..: 12:18		
Chloride			WO#:H68HT1AC-LCS/H68HT1AD-LCSD			LCS Lot-Sample#: D6F080000-586		
	20.0	19.7	mg/L	98		MCAWW 300.0A	06/07/06	6159586
	20.0	19.7	mg/L	98	0.12	MCAWW 300.0A	06/07/06	6159586
			Dilution Factor: 1			Analysis Time..: 11:35		
Fluoride			WO#:H657E1AC-LCS/H657E1AD-LCSD			LCS Lot-Sample#: D6F090000-521		
	4.00	3.75	mg/L	94		MCAWW 300.0A	06/08/06	6160521
	4.00	3.75	mg/L	94	0.05	MCAWW 300.0A	06/08/06	6160521
			Dilution Factor: 1			Analysis Time..: 12:18		
Fluoride			WO#:H68HP1AC-LCS/H68HP1AD-LCSD			LCS Lot-Sample#: D6F080000-587		
	4.00	3.98	mg/L	100		MCAWW 300.0A	06/07/06	6159587
	4.00	4.01	mg/L	100	0.73	MCAWW 300.0A	06/07/06	6159587
			Dilution Factor: 1			Analysis Time..: 11:35		
Nitrate			WO#:H657M1AC-LCS/H657M1AD-LCSD			LCS Lot-Sample#: D6F090000-522		
	4.00	3.61	mg/L	90		MCAWW 300.0A	06/08/06	6160522
	4.00	3.59	mg/L	90	0.50	MCAWW 300.0A	06/08/06	6160522
			Dilution Factor: 1			Analysis Time..: 12:18		
Nitrate			WO#:H68H31AC-LCS/H68H31AD-LCSD			LCS Lot-Sample#: D6F080000-585		
	4.00	3.83	mg/L	96		MCAWW 300.0A	06/07/06	6159585
	4.00	3.84	mg/L	96	0.18	MCAWW 300.0A	06/07/06	6159585
			Dilution Factor: 1			Analysis Time..: 11:35		

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: CANNON9 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate		WO#:H7D931AC-LCS/H7D931AD-LCSD				LCS Lot-Sample#: D6F140000-218		
	0.0500	0.0514	mg/L	103		MCAWW 353.2	06/07/06	6165218
	0.0500	0.0514	mg/L	103	0.0	MCAWW 353.2	06/07/06	6165218
		Dilution Factor: 1				Analysis Time..: 18:25		
Nitrate		WO#:H8H7H1AC-LCS/H8H7H1AD-LCSD				LCS Lot-Sample#: D6F300000-252		
	0.0500	0.0542	mg/L	108		MCAWW 353.2	06/08/06	6181252
	0.0500	0.0483 *	mg/L	97	12	MCAWW 353.2	06/08/06	6181252
		Dilution Factor: 1				Analysis Time..: 18:30		
Phosphate as P, Ortho		WO#:H657W1AC-LCS/H657W1AD-LCSD				LCS Lot-Sample#: D6F090000-523		
	4.00	3.79	mg/L	95		MCAWW 300.0A	06/08/06	6160523
	4.00	3.78	mg/L	95	0.21	MCAWW 300.0A	06/08/06	6160523
		Dilution Factor: 1				Analysis Time..: 12:18		
Phosphate as P, Ortho		WO#:H68H61AC-LCS/H68H61AD-LCSD				LCS Lot-Sample#: D6F080000-588		
	4.00	4.05	mg/L	101		MCAWW 300.0A	06/07/06	6159588
	4.00	4.14	mg/L	103	2.2	MCAWW 300.0A	06/07/06	6159588
		Dilution Factor: 1				Analysis Time..: 11:35		
Sulfate		WO#:H65721AC-LCS/H65721AD-LCSD				LCS Lot-Sample#: D6F090000-524		
	20.0	18.1	mg/L	90		MCAWW 300.0A	06/08/06	6160524
	20.0	18.1	mg/L	90	0.0	MCAWW 300.0A	06/08/06	6160524
		Dilution Factor: 1				Analysis Time..: 12:18		
Sulfate		WO#:H68H91AC-LCS/H68H91AD-LCSD				LCS Lot-Sample#: D6F080000-589		
	20.0	19.3	mg/L	97		MCAWW 300.0A	06/07/06	6159589
	20.0	19.4	mg/L	97	0.27	MCAWW 300.0A	06/07/06	6159589
		Dilution Factor: 1				Analysis Time..: 11:35		
Total Alkalinity		WO#:H676D1AC-LCS/H676D1AD-LCSD				LCS Lot-Sample#: D6F120000-130		
	200	195	mg/L	97		MCAWW 310.1	06/09/06	6163130
	200	195	mg/L	98	0.38	MCAWW 310.1	06/09/06	6163130
		Dilution Factor: 1				Analysis Time..: 11:00		
Total Alkalinity		WO#:H7NVQ1AC-LCS/H7NVQ1AD-LCSD				LCS Lot-Sample#: D6F160000-114		
	200	191	mg/L	96		MCAWW 310.1	06/15/06	6167114
	200	190	mg/L	95	0.91	MCAWW 310.1	06/15/06	6167114
		Dilution Factor: 1				Analysis Time..: 15:30		

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: CANNON9 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		WO#:H64M11AC-LCS/H64M11AD-LCSD				LCS Lot-Sample#: D6F090000-362		
	0.100	0.109	mg/L	109		MCAWW 335.3	06/08/06	6160362
	0.100	0.109	mg/L	109	0.0	MCAWW 335.3	06/08/06	6160362
		Dilution Factor: 1				Analysis Time..: 11:00		
Total Cyanide		WO#:H7HRR1AC-LCS/H7HRR1AD-LCSD				LCS Lot-Sample#: D6F150000-489		
	0.100	0.109	mg/L	109		MCAWW 335.3	06/14-06/15/06	6166489
	0.100	0.109	mg/L	109	0.0	MCAWW 335.3	06/14-06/15/06	6166489
		Dilution Factor: 1				Analysis Time..: 09:00		
Total Cyanide		WO#:H7HRV1AC-LCS/H7HRV1AD-LCSD				LCS Lot-Sample#: D6F150000-491		
	0.100	0.103	mg/L	103		MCAWW 335.3	06/14-06/15/06	6166491
	0.100	0.0997	mg/L	100	3.2	MCAWW 335.3	06/14-06/15/06	6166491
		Dilution Factor: 1				Analysis Time..: 13:00		
Total Dissolved Solids		WO#:H695A1AC-LCS/H695A1AD-LCSD				LCS Lot-Sample#: D6F090000-112		
	500	505	mg/L	101		MCAWW 160.1	06/08/06	6160112
	500	504	mg/L	101	0.19	MCAWW 160.1	06/08/06	6160112
		Dilution Factor: 1				Analysis Time..: 14:30		
Total Dissolved Solids		WO#:H7ANM1AD-LCS/H7ANM1AE-LCSD				LCS Lot-Sample#: D6F130000-156		
	500	495	mg/L	99		MCAWW 160.1	06/12/06	6164156
	500	501	mg/L	100	1.2	MCAWW 160.1	06/12/06	6164156
		Dilution Factor: 1				Analysis Time..: 17:00		
Total Dissolved Solids		WO#:H7F481AC-LCS/H7F481AD-LCSD				LCS Lot-Sample#: D6F130000-155		
	500	497	mg/L	99		MCAWW 160.1	06/12/06	6164155
	500	504	mg/L	101	1.4	MCAWW 160.1	06/12/06	6164155
		Dilution Factor: 1				Analysis Time..: 16:00		
Total Organic Halogens		WO#:H63NM1AC-LCS/H63NM1AD-LCSD				LCS Lot-Sample#: D6F090000-107		
	100	95.0	ug/L	95		SW846 9020B	06/08/06	6160107
	100	98.0	ug/L	98	3.1	SW846 9020B	06/08/06	6160107
		Dilution Factor: 1				Analysis Time..: 10:00		

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: CANNON9 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Halogens		WO#:H8NKT1AC-LCS/H8NKT1AD-LCSD					LCS Lot-Sample#: D6G050000-117	
	100	102	ug/L	102		SW846 9020B	07/03/06	6186117
	100	103	ug/L	103	0.97	SW846 9020B	07/03/06	6186117
		Dilution Factor: 1				Analysis Time..: 10:00		
Total Organic Carbon		WO#:H7GEC1AC-LCS/H7GEC1AD-LCSD					LCS Lot-Sample#: D6F150000-242	
	25.0	22.4	mg/L	90		SW846 9060	06/09-06/10/06	6166242
	25.0	23.6	mg/L	94	5.4	SW846 9060	06/09-06/10/06	6166242
		Dilution Factor: 1				Analysis Time..: 04:30		
Total Organic Carbon		WO#:H8GD71AC-LCS/H8GD71AD-LCSD					LCS Lot-Sample#: D6F290000-385	
	25.0	25.2	mg/L	101		SW846 9060	06/28/06	6180385
	25.0	25.2	mg/L	101	0.11	SW846 9060	06/28/06	6180385
		Dilution Factor: 1				Analysis Time..: 16:00		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

* Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: CANNON9 **Matrix.....:** WATER
Date Sampled...: 05/23/06 10:53 **Date Received..:** 05/25/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide		WO#: H6WG71D4-MS/H6WG71D5-MSD				MS Lot-Sample #:	D6F070231-001
	106	(80 - 120)			MCAWW 300.0A	06/07/06	6159590
	107	(80 - 120)	1.6	(0-20)	MCAWW 300.0A	06/07/06	6159590
		Dilution Factor: 1					
		Analysis Time..: 14:39					
Bromide		WO#: H61VN1FW-MS/H61VN1FX-MSD				MS Lot-Sample #:	D6F080262-004
	99	(80 - 120)			MCAWW 300.0A	06/08/06	6160525
	100	(80 - 120)	0.63	(0-20)	MCAWW 300.0A	06/08/06	6160525
		Dilution Factor: 1					
		Analysis Time..: 18:58					
Chloride		WO#: H6WG71D2-MS/H6WG71D3-MSD				MS Lot-Sample #:	D6F070231-001
	117	(80 - 120)			MCAWW 300.0A	06/07/06	6159586
	119	(80 - 120)	0.91	(0-20)	MCAWW 300.0A	06/07/06	6159586
		Dilution Factor: 1					
		Analysis Time..: 14:39					
Chloride		WO#: H61VN1FH-MS/H61VN1FJ-MSD				MS Lot-Sample #:	D6F080262-004
	104	(80 - 120)			MCAWW 300.0A	06/08/06	6160520
	105	(80 - 120)	0.53	(0-20)	MCAWW 300.0A	06/08/06	6160520
		Dilution Factor: 1					
		Analysis Time..: 18:58					
Cyanide, Total		WO#: H6RGJ1CE-MS/H6RGJ1CF-MSD				MS Lot-Sample #:	D6F060192-001
	111	(64 - 126)			MCAWW 335.3	06/08/06	6159563
	112	(64 - 126)	0.86	(0-10)	MCAWW 335.3	06/08/06	6159563
		Dilution Factor: 1					
		Analysis Time..: 11:00					
Fluoride		WO#: H6WG71D0-MS/H6WG71D1-MSD				MS Lot-Sample #:	D6F070231-001
	115	(80 - 120)			MCAWW 300.0A	06/07/06	6159587
	116	(80 - 120)	0.46	(0-20)	MCAWW 300.0A	06/07/06	6159587
		Dilution Factor: 1					
		Analysis Time..: 14:39					
Fluoride		WO#: H61VN1FK-MS/H61VN1FL-MSD				MS Lot-Sample #:	D6F080262-004
	104	(80 - 120)			MCAWW 300.0A	06/08/06	6160521
	105	(80 - 120)	1.0	(0-20)	MCAWW 300.0A	06/08/06	6160521
		Dilution Factor: 1					
		Analysis Time..: 18:58					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: CANNON9 **Matrix.....:** WATER
Date Sampled...: 05/23/06 10:53 **Date Received..:** 05/25/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate		WO#: H6WG71D6-MS/H6WG71D7-MSD				MS Lot-Sample #: D6F070231-001	
	109	(80 - 120)			MCAWW 300.0A	06/07/06	6159585
	111	(80 - 120)	1.2	(0-20)	MCAWW 300.0A	06/07/06	6159585
		Dilution Factor: 1					
		Analysis Time..: 14:39					
Nitrate		WO#: H61VN1FM-MS/H61VN1FN-MSD				MS Lot-Sample #: D6F080262-004	
	100	(80 - 120)			MCAWW 300.0A	06/08/06	6160522
	100	(80 - 120)	0.34	(0-20)	MCAWW 300.0A	06/08/06	6160522
		Dilution Factor: 1					
		Analysis Time..: 18:58					
Phosphate as P, Ortho		WO#: H6WG71D8-MS/H6WG71D9-MSD				MS Lot-Sample #: D6F070231-001	
	146 N	(80 - 120)			MCAWW 300.0A	06/07/06	6159588
	136 N	(80 - 120)	7.7	(0-20)	MCAWW 300.0A	06/07/06	6159588
		Dilution Factor: 1					
		Analysis Time..: 14:39					
Phosphate as P, Ortho		WO#: H61VN1FP-MS/H61VN1FQ-MSD				MS Lot-Sample #: D6F080262-004	
	81	(80 - 120)			MCAWW 300.0A	06/08/06	6160523
	80	(80 - 120)	1.3	(0-20)	MCAWW 300.0A	06/08/06	6160523
		Dilution Factor: 1					
		Analysis Time..: 18:58					
Sulfate		WO#: H6WG71EA-MS/H6WG71EC-MSD				MS Lot-Sample #: D6F070231-001	
	137 N	(80 - 120)			MCAWW 300.0A	06/07/06	6159589
	140 N	(80 - 120)	0.81	(0-20)	MCAWW 300.0A	06/07/06	6159589
		Dilution Factor: 1					
		Analysis Time..: 14:39					
Sulfate		WO#: H61VN1FR-MS/H61VN1FT-MSD				MS Lot-Sample #: D6F080262-004	
	120 I	(80 - 120)			MCAWW 300.0A	06/08/06	6160524
	120 I	(80 - 120)	0.24	(0-20)	MCAWW 300.0A	06/08/06	6160524
		Dilution Factor: 1					
		Analysis Time..: 18:58					
Total Cyanide		WO#: H61VN1F2-MS/H61VN1F3-MSD				MS Lot-Sample #: D6F080262-004	
	100	(64 - 126)			MCAWW 335.3	06/14-06/15/06	6166491
	99	(64 - 126)	0.98	(0-10)	MCAWW 335.3	06/14-06/15/06	6166491
		Dilution Factor: 1					
		Analysis Time..: 13:00					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: CANNON9 **Matrix.....:** WATER
Date Sampled...: 05/23/06 10:53 **Date Received..:** 05/25/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		WO#: H65DT1AF-MS/H65DT1AG-MSD				MS Lot-Sample #: D6F090298-008	
	116	(64 - 126)			MCAWW 335.3	06/14-06/15/06	6166489
	117	(64 - 126)	0.83	(0-10)	MCAWW 335.3	06/14-06/15/06	6166489
		Dilution Factor: 1					
		Analysis Time..: 09:00					
Total Organic Halogens		WO#: H6WJN1C0-MS/H6WJN1C1-MSD				MS Lot-Sample #: D6F070234-001	
	93	(78 - 114)			SW846 9020B	06/08/06	6160107
	92	(78 - 114)	1.0	(0-23)	SW846 9020B	06/08/06	6160107
		Dilution Factor: 1					
		Analysis Time..: 10:00					
Total Organic Halogens		WO#: H61VN1EP-MS/H61VN1EQ-MSD				MS Lot-Sample #: D6F080262-004	
	92	(78 - 114)			SW846 9020B	07/03/06	6186117
	89	(78 - 114)	3.3	(0-23)	SW846 9020B	07/03/06	6186117
		Dilution Factor: 1					
		Analysis Time..: 10:00					
Total Organic Carbon		WO#: H568L1AG-MS/H568L1AH-MSD				MS Lot-Sample #: D6E250262-003	
	93	(65 - 139)			SW846 9060	06/09-06/10/06	6166244
	91	(65 - 139)	1.4	(0-41)	SW846 9060	06/09-06/10/06	6166244
		Dilution Factor: 1					
		Analysis Time..: 08:30					
Total Organic Carbon		WO#: H61VN1FF-MS/H61VN1FG-MSD				MS Lot-Sample #: D6F080262-004	
	98	(65 - 139)			SW846 9060	06/28/06	6180385
	101	(65 - 139)	2.6	(0-41)	SW846 9060	06/28/06	6180385
		Dilution Factor: 1					
		Analysis Time..: 18:00					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

I Estimated result. Result concentration exceeds the calibration range.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: CANNON9 **Matrix.....:** WATER
Date Sampled...: 05/23/06 10:53 **Date Received..:** 05/25/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide			WO#: H6WG71D4-MS/H6WG71D5-MSD MS Lot-Sample #: D6F070231-001						
	0.19	5.00	5.47	mg/L	106		MCAWW 300.0A	06/07/06	6159590
	0.19	5.00	5.56	mg/L	107	1.6	MCAWW 300.0A	06/07/06	6159590
			Dilution Factor: 1						
			Analysis Time..: 14:39						
Bromide			WO#: H61VN1FW-MS/H61VN1FX-MSD MS Lot-Sample #: D6F080262-004						
	0.20	5.00	5.17	mg/L	99		MCAWW 300.0A	06/08/06	6160525
	0.20	5.00	5.21	mg/L	100	0.63	MCAWW 300.0A	06/08/06	6160525
			Dilution Factor: 1						
			Analysis Time..: 18:58						
Chloride			WO#: H6WG71D2-MS/H6WG71D3-MSD MS Lot-Sample #: D6F070231-001						
	19	25.0	47.8	mg/L	117		MCAWW 300.0A	06/07/06	6159586
	19	25.0	48.3	mg/L	119	0.91	MCAWW 300.0A	06/07/06	6159586
			Dilution Factor: 1						
			Analysis Time..: 14:39						
Chloride			WO#: H61VN1FH-MS/H61VN1FJ-MSD MS Lot-Sample #: D6F080262-004						
	8.8	25.0	34.8	mg/L	104		MCAWW 300.0A	06/08/06	6160520
	8.8	25.0	35.0	mg/L	105	0.53	MCAWW 300.0A	06/08/06	6160520
			Dilution Factor: 1						
			Analysis Time..: 18:58						
Cyanide, Total			WO#: H6RGJ1CE-MS/H6RGJ1CF-MSD MS Lot-Sample #: D6F060192-001						
	0.0042	0.100	0.115	mg/L	111		MCAWW 335.3	06/08/06	6159563
	0.0042	0.100	0.116	mg/L	112	0.86	MCAWW 335.3	06/08/06	6159563
			Dilution Factor: 1						
			Analysis Time..: 11:00						
Fluoride			WO#: H6WG71D0-MS/H6WG71D1-MSD MS Lot-Sample #: D6F070231-001						
	2.7	5.00	8.43	mg/L	115		MCAWW 300.0A	06/07/06	6159587
	2.7	5.00	8.47	mg/L	116	0.46	MCAWW 300.0A	06/07/06	6159587
			Dilution Factor: 1						
			Analysis Time..: 14:39						
Fluoride			WO#: H61VN1FK-MS/H61VN1FL-MSD MS Lot-Sample #: D6F080262-004						
	2.0	5.00	7.17	mg/L	104		MCAWW 300.0A	06/08/06	6160521
	2.0	5.00	7.25	mg/L	105	1.0	MCAWW 300.0A	06/08/06	6160521
			Dilution Factor: 1						
			Analysis Time..: 18:58						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: CANNON9 **Matrix.....:** WATER
Date Sampled...: 05/23/06 10:53 **Date Received..:** 05/25/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate			WO#: H6WG71D6-MS/H6WG71D7-MSD				MS Lot-Sample #: D6F070231-001		
	1.7	5.00	7.17	mg/L	109		MCAWW 300.0A	06/07/06	6159585
	1.7	5.00	7.26	mg/L	111	1.2	MCAWW 300.0A	06/07/06	6159585
			Dilution Factor: 1						
			Analysis Time..: 14:39						
Nitrate			WO#: H61VN1FM-MS/H61VN1FN-MSD				MS Lot-Sample #: D6F080262-004		
	1.3	5.00	6.32	mg/L	100		MCAWW 300.0A	06/08/06	6160522
	1.3	5.00	6.34	mg/L	100	0.34	MCAWW 300.0A	06/08/06	6160522
			Dilution Factor: 1						
			Analysis Time..: 18:58						
Phosphate as P, Ortho			WO#: H6WG71D8-MS/H6WG71D9-MSD				MS Lot-Sample #: D6F070231-001		
	ND	5.00	7.32 N	mg/L	146		MCAWW 300.0A	06/07/06	6159588
	ND	5.00	6.78 N	mg/L	136	7.7	MCAWW 300.0A	06/07/06	6159588
			Dilution Factor: 1						
			Analysis Time..: 14:39						
Phosphate as P, Ortho			WO#: H61VN1FP-MS/H61VN1FQ-MSD				MS Lot-Sample #: D6F080262-004		
	ND	5.00	4.06	mg/L	81		MCAWW 300.0A	06/08/06	6160523
	ND	5.00	4.01	mg/L	80	1.3	MCAWW 300.0A	06/08/06	6160523
			Dilution Factor: 1						
			Analysis Time..: 18:58						
Sulfate			WO#: H6WG71EA-MS/H6WG71EC-MSD				MS Lot-Sample #: D6F070231-001		
	47	25.0	81.1 N	mg/L	137		MCAWW 300.0A	06/07/06	6159589
	47	25.0	81.8 N	mg/L	140	0.81	MCAWW 300.0A	06/07/06	6159589
			Dilution Factor: 1						
			Analysis Time..: 14:39						
Sulfate			WO#: H61VN1FR-MS/H61VN1FT-MSD				MS Lot-Sample #: D6F080262-004		
	29	25.0	58.7 I	mg/L	120		MCAWW 300.0A	06/08/06	6160524
	29	25.0	58.9 I	mg/L	120	0.24	MCAWW 300.0A	06/08/06	6160524
			Dilution Factor: 1						
			Analysis Time..: 18:58						
Total Cyanide			WO#: H61VN1F2-MS/H61VN1F3-MSD				MS Lot-Sample #: D6F080262-004		
	ND	0.100	0.102	mg/L	100		MCAWW 335.3	06/14-06/15/06	6166491
	ND	0.100	0.101	mg/L	99	0.98	MCAWW 335.3	06/14-06/15/06	6166491
			Dilution Factor: 1						
			Analysis Time..: 13:00						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: CANNON9 **Matrix.....:** WATER
Date Sampled...: 05/23/06 10:53 **Date Received..:** 05/25/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide			WO#: H65DT1AF-MS/H65DT1AG-MSD				MS Lot-Sample #: D6F090298-008		
	0.0036	0.100	0.120	mg/L	116		MCAWW 335.3	06/14-06/15/06	6166489
	0.0036	0.100	0.121	mg/L	117	0.83	MCAWW 335.3	06/14-06/15/06	6166489
			Dilution Factor: 1						
			Analysis Time..: 09:00						
Total Organic Halogens			WO#: H6WJN1C0-MS/H6WJN1C1-MSD				MS Lot-Sample #: D6F070234-001		
	ND	100	97.0	ug/L	93		SW846 9020B	06/08/06	6160107
	ND	100	96.0	ug/L	92	1.0	SW846 9020B	06/08/06	6160107
			Dilution Factor: 1						
			Analysis Time..: 10:00						
Total Organic Halogens			WO#: H61VN1EP-MS/H61VN1EQ-MSD				MS Lot-Sample #: D6F080262-004		
	ND	100	92.0	ug/L	92		SW846 9020B	07/03/06	6186117
	ND	100	89.0	ug/L	89	3.3	SW846 9020B	07/03/06	6186117
			Dilution Factor: 1						
			Analysis Time..: 10:00						
Total Organic Carbon			WO#: H568L1AG-MS/H568L1AH-MSD				MS Lot-Sample #: D6E250262-003		
	0.88	25.0	24.1	mg/L	93		SW846 9060	06/09-06/10/06	6166244
	0.88	25.0	23.8	mg/L	91	1.4	SW846 9060	06/09-06/10/06	6166244
			Dilution Factor: 1						
			Analysis Time..: 08:30						
Total Organic Carbon			WO#: H61VN1FF-MS/H61VN1FG-MSD				MS Lot-Sample #: D6F080262-004		
	0.82	25.0	25.3	mg/L	98		SW846 9060	06/28/06	6180385
	0.82	25.0	26.0	mg/L	101	2.6	SW846 9060	06/28/06	6180385
			Dilution Factor: 1						
			Analysis Time..: 18:00						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

I Estimated result. Result concentration exceeds the calibration range.

N Spiked analyte recovery is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D6F070234 **Work Order #...:** H6VTA-SMP H6VTA-DUP **Matrix.....:** WATER

Date Sampled...: 06/06/06 09:50 **Date Received..:** 06/07/06

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #:	D6F070166-004	
	2500	2400	mg/L	1.5	(0-20)	MCAWW 160.1	06/08/06	6160112
			Dilution Factor: 1			Analysis Time..: 14:30		

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D6F070234 **Work Order #...:** H6VXC-SMP H6VXC-DUP **Matrix.....:** WATER

Date Sampled...: 06/06/06 12:12 **Date Received..:** 06/07/06

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #:	D6F070183-001	
	460	460	mg/L	0.61	(0-10)	MCAWW 310.1	06/09/06	6163130

Dilution Factor: 1 Analysis Time..: 11:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D6F070234 **Work Order #...:** H6WE1-SMP H6WE1-DUP **Matrix.....:** WATER

Date Sampled...: 06/06/06 14:11 **Date Received..:** 06/07/06

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #:	D6F070222-002	
	1600	1600	mg/L	0.37	(0-20)	MCAWW 160.1	06/12/06	6164155

Dilution Factor: 1 Analysis Time..: 16:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D6F070234 **Work Order #...:** H64CH-SMP H64CH-DUP **Matrix.....:** WATER

Date Sampled...: 06/06/06 09:10 **Date Received..:** 06/09/06

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #:	D6F090211-001	
	1900	1800	mg/L	0.92	(0-20)	MCAWW 160.1	06/12/06	6164156

Dilution Factor: 1 Analysis Time..: 17:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D6F070234 **Work Order #...:** H62KJ-SMP H62KJ-DUP **Matrix.....:** WATER

Date Sampled...: 06/05/06 11:46 **Date Received..:** 06/08/06

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #:	D6F080370-015	
	66	66	mg/L	0.20	(0-10)	MCAWW 310.1	06/15/06	6167115

Dilution Factor: 1 Analysis Time..: 15:30

21
6/7/06
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U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number	PACKING AND SHIPPING DETAILS	
Cannon Air Force Base, Ground Water Sampling 8636-9JV01	Packed and Sealed for Shipping by ~~R. Wilcox~~ J. LANGMAN	Seal Number 845513
Sampling Location: Landfill 5, (Wells A, B, C, D, S, T, U) Cannon Air Force Base, NM	Delivered to Shipper by ~~R. Wilcox~~ J. LANGMAN	Airbill Number 856592100701
Team Leader: Project chief -- Fred Gebhardt	Sampling Status ☐ Done ☑ Continuing	

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
June, 5 2006	1325	CAFB- A	Ground-water	18	Apx-IX: SW8260B, 8270C, 8280A, 8310, 8081A, 8082, 8151A T.-metals: SW6010(Al, B, Ba, Be, Ca,Co, Cu, Fe, Mg, Mn, Mo Ni, K, Na, Si, Sn, V, Zn), SW6020-ICP-MS(Sb, Ag, As, Cd, Cr, Pb, Se, Tl), SW7470 (Hg), SW9060, 9020B, Perc. 6860, E353.2 (N), E300.0A(Anions), E310.1, E160.1, E335.3	Environmental Sample
		PARTIAL SET REMAINDER OF 18 BOTTLE SET FROM CAFB-A IN COOLER #2 SEAL #845463				

Additional Comments PLEASE BATCH SAMPLES BY SAMPLE LOCATION (LANDFILL 5).

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt ☐ Yes ☐ No
Fredrick S. Gebhardt	TO FEDERAL EXPRESS	6/6/06	1600	SEVERN TRENT SERVICES 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0184 Attention: Karen Kuoppala	Condition of Contents
	[signature]	6-7-06	0930		Contents Temperature
					Laboratory Project Number

I-339

August 2006

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U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

COOLER 1 OF

Project Name & Number	PACKING AND SHIPPING DETAILS	
Cannon Air Force Base, Ground Water Sampling 8636-9JV01	Packed and Sealed for Shipping by ~~R. Wilcox~~ J. LANGMAN	Seal Number 845453
Sampling Location: Landfill 5, (Wells A, B, C, D, S, T, U) Cannon Air Force Base, NM	Delivered to Shipper by ~~R. Wilcox~~ J. LANGMAN	Airbill Number 8565 9210 0701
Team Leader: Project chief -- Fred Gebhardt	Sampling Status ☐ Done ☑ Continuing	

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters) STET = 8310, 8081A, 8082, 8151A	Remarks
June, 6 2006	0845	CAFB- B	Ground-water	18	Apx-IX: SW8260B, 8270C, 8280A, ~~8310, 8081A, 8082, 8151A~~ T.-metals: SW6010(Al, B, Ba, Be, Ca,Co, Cu, Fe, Mg, Mn, Mo Ni, K, Na, Si, Sn, V, Zn), SW6020-ICP-MS(Sb, Ag, As, Cd, Cr, Pb, Se, Tl). SW7470 (Hg), SW9060, 9020B, Perc. 6860, E353.2 (N), E300.0A(Anions), E310.1, E160.1, E335.3	Environmental Sample
		PARTIAL SET - REMAINDER OF 18 BOTTLE SET FROM CAFB-B IN COOLER #2 SEAL # 845463				

Additional Comments PLEASE BATCH SAMPLES BY SAMPLING LOCATION (LANDFILL 5).

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt ☐ Yes ☐ No
Fredrick E. Gebhardt	TO FEDERAL EXPRESS	6/6/06	1600	SEVERN TRENT SERVICES 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0184 Attention: Karen Kuoppala	Condition of Contents
	[signature]	6-7-06	0900		Contents Temperature
					Laboratory Project Number

I-340

August 2006

2.5
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U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number	PACKING AND SHIPPING DETAILS	
Cannon Air Force Base, Ground Water Sampling 8636-9JV01	Packed and Sealed for Shipping by ~~R. Wilcox~~ J. LANGMAN	Seal Number 845543
Sampling Location: Landfill 5, (Wells A, B, C, D, S, T, U) Cannon Air Force Base, NM	Delivered to Shipper by ~~R. Wilcox~~ J. LANGMAN	Airbill Number 856592100701
Team Leader: Project chief -- Fred Gebhardt	Sampling Status ☐ Done ☒ Continuing	

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
June, 5 2006	1515	CAFB-U	Ground-water	18	Apx-IX: SW8260B, 8270C, 8280A, 8310, 8081A, 8082, 8151A T.-metals: SW6010(Al, B, Ba, Be, Ca,Co, Cu, Fe, Mg, Mn, Mo Ni, K, Na, Si, Sn, V, Zn), SW6020-ICP-MS(Sb, Ag, As, Cd, Cr, Pb, Se, Tl), SW7470 (Hg), SW9060, 9020B, Perc. 6860, E353.2 (N), E300.0A(Anions), E310.1, E160.1, E335.3	Environmental Sample
		PARTIAL SET - REMAINDER OF 18 BOTTLE SET FROM CAFB-U				IN COOLER # 5 SEAL # 845533

Additional Comments PLEASE BATCH SAMPLES BY SAMPLE LOCATION (LANDFILL 5).

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt ☐ Yes ☐ No
Fredrick E. Gebhardt	TO FEDERAL EXPRESS	6/6/06	1600	SEVERN TRENT SERVICES 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0184 Attention: Karen Kuoppala	Condition of Contents
	[illegible]	6-7-06	0900		Contents Temperature
					Laboratory Project Number

I-341

August 2006

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U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

COOLER 8
LANDFILL

Project Name & Number: Cannon Air Force Base, Ground Water Sampling 8636-9JV01	PACKING AND SHIPPING DETAILS 637373
Sampling Location: Landfill 5, (Wells A, B, C, D, S, T, U) Cannon Air Force Base, NM	Packed and Sealed for Shipping by: R. Wilcox; Seal Number: 637323
Team Leader: Project chief -- Fred Gebhardt	Delivered to Shipper by: R. Wilcox; Airbill Number:
	Sampling Status: ☑ Done ☐ Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
June, 6 2006	1005	CAFB- T	Ground-water	18	Apx-IX: SW8260B, 8270C, 8280A, 8310, 8081A, 8082, 8151A T.-metals: SW6010(Al, B, Ba, Be, Ca,Co, Cu, Fe, Mg, Mn, Mo Ni, K, Na, Si, Sn, V, Zn), SW6020-ICP-MS(Sb, Ag, As, Cd, Cr, Pb, Se, Tl), SW7470 (Hg), SW9060, 9020B, Perc. 6860, E353.2 (N), E300.0A(Anions), E310.1, E160.1, E335.3	Environmental Sample
		REMAINDER OF SAMPLE SET IN COOLERS #9 AND #11				

Additional Comments: PLEASE BATCH SAMPLES BY SAMPLING LOCATION - "LANDFILL 5"

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt ☐ Yes ☐ No
[signature]	FEDEX	6/7/06	1600	SEVERN TRENT SERVICES 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0184 Attention: Karen Kuoppala	Condition of Contents
	[signature]	6/8/06	0915		Contents Temperature
					Laboratory Project Number

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August 2006

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U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

COOLER 1
LANDFILL 5

Project Name & Number	PACKING AND SHIPPING DETAILS	
Cannon Air Force Base, Ground Water Sampling 8636-9JV01	Packed and Sealed for Shipping by: R. Wilcox	Seal Number: 556144
Sampling Location: Landfill 5, (Wells A, B, C, D, S, T, U) Cannon Air Force Base, NM	Delivered to Shipper by: R. Wilcox	Airbill Number: 8565 9210 0664
Team Leader: Project chief -- Fred Gebhardt	Sampling Status: ☑ Done ☐ Continuing	

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
June, 6 2006	1555	CAFB- C	Ground-water	18	Apx-IX: SW8260B, 8270C, 8280A, 8310, 8081A, 8082, 8151A T.-metals: SW6010(Al, B, Ba, Be, Ca,Co, Cu, Fe, Mg, Mn, Mo Ni, K, Na, Si, Sn, V, Zn), SW6020-ICP-MS(Sb, Ag, As, Cd, Cr, Pb, Se, Tl), SW7470 (Hg), SW9060, 9020B, Perc. 6860, E353.2 (N), E300.0A(Anions), E310.1, E160.1, E335.3	Environmental Sample
		REMAINDER OF SAMPLE SET IN COOLERS #3 AND #11				

Additional Comments: PLEASE BATCH BY SAMPLING LOCATION - LANDFILL 5

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt ☐ Yes ☐ No
[signature]	FEDEX	6/7/06	1600	SEVERN TRENT SERVICES 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0184 Attention: Karen Kuoppala	Condition of Contents
	[signature]	6/8/06	0915		Contents Temperature
					Laboratory Project Numbe

I-343

August 2006

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U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

COOLER 7 C
LANDFILL 5

Project Name & Number: Cannon Air Force Base, Ground Water Sampling 8636-9JV01	PACKING AND SHIPPING DETAILS 637313
Sampling Location: Landfill 5, (Wells A, B, C, D, S, T, U) Cannon Air Force Base, NM	Packed and Sealed for Shipping by: R. Wilcox; Seal Number: 637303
Team Leader: Project chief -- Fred Gebhardt	Delivered to Shipper by: R. Wilcox; Airbill Number: 8565 9210 0664
	Sampling Status: ☑ Done ☐ Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
June, 6 2006	1120	CAFB- S	Ground-water	18	Apx-IX: SW8260B, 8270C, 8280A, 8310, 8081A, 8082, 8151A T.-metals: SW6010(Al, B, Ba, Be, Ca,Co, Cu, Fe, Mg, Mn, Mo Ni, K, Na, Si, Sn, V, Zn), SW6020-ICP-MS(Sb, Ag, As, Cd, Cr, Pb, Se, Tl), SW7470 (Hg), SW9060, 9020B, Perc. 6860, E353.2 (N), E300.0A(Anions), E310.1, E160.1, E335.3	Environmental Sample
		REMAINDER OF SAMPLE SET IN COOLERS #9 AND #11				

Additional Comments: PLEASE BATCH ALL SAMPLES BY SAMPLING LOCATION - "LANDFILL 5"

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt ☐ Yes ☐ No
[signature]	FEDEX	6/7/06	1600	SEVERN TRENT SERVICES 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0184 Attention: Karen Kuoppala	Condition of Contents
	[signature]	6/8/06	0915		Contents Temperature
					Laboratory Project Number

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August 2006

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U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

COOLER : 1

Project Name & Number: Cannon Air Force Base, Ground Water Sampling 8636-9JV01	PACKING AND SHIPPING DETAILS
Sampling Location: Landfill 5, (Wells A, B, C, D, S, T, U) Cannon Air Force Base, NM	Packed and Sealed for Shipping by: R. Wilcox; Seal Number: 556104
Team Leader: Project chief -- Fred Gebhardt	Delivered to Shipper by: R. Wilcox; Airbill Number: 8565 9210 0664
	Sampling Status: [✓] Done [ ] Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
June, 6 2006	1255	CAFB- D	Ground-water	18	Apx-IX: SW8260B, 8270C, 8280A, 8310, 8081A, 8082, 8151A T.-metals: SW6010(Al, B, Ba, Be, Ca,Co, Cu, Fe, Mg, Mn, Mo Ni, K, Na, Si, Sn, V, Zn), SW6020-ICP-MS(Sb, Ag, As, Cd, Cr, Pb, Se, Tl), SW7470 (Hg), SW9060, 9020B, Perc. 6860, E353.2 (N), E300.0A(Anions), E310.1, E160.1, E335.3	Environmental Sample
		REMAINDER OF SAMPLE SET IN COOLER #3 AND # 11(VOCs)				

Additional Comments: PLEASE BATCH SAMPLES BY SAMPLING LOCATION - "LANDFILL 5"

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt [ ] Yes [ ] No
[signature]	FEDEX	6/7/06	1600	SEVERN TRENT SERVICES 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0184 Attention: Karen Kuoppala	Condition of Contents
	[signature]	6/8/06	0915		Contents Temperature
					Laboratory Project Number

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August 2006

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U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

COOLER 5
LANDFIL
556124-#6

Project Name & Number	PACKING AND SHIPPING DETAILS	
Cannon Air Force Base, Ground Water Sampling 8636-9JV01	Packed and Sealed for Shipping by: R. Wilcox	Seal Number: 556054
Sampling Location: Landfill 5, (Wells A, B, C, D, S, T, U) Cannon Air Force Base, NM	Delivered to Shipper by: R. Wilcox	Airbill Number: 8565 9210 0664
Team Leader: Project chief -- Fred Gebhardt	Sampling Status: ☑ Done ☐ Continuing	

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
June, 6 2006	1315	CAFB-D-MS	Ground-water	18	Apx-IX: SW8260B, 8270C, 8280A, 8310, 8081A, 8082, 8151A T.-metals: SW6010(Al, B, Ba, Be, Ca,Co, Cu, Fe, Mg, Mn, Mo Ni, K, Na, Si, Sn, V, Zn), SW6020-ICP-MS(Sb, Ag, As, Cd, Cr, Pb, Se, Tl), SW7470 (Hg), SW9060, 9020B, Perc. 6860, E353.2 (N). E300.0A(Anions), E310.1, E160.1, E335.3	Environmental Sample
		REMAINDER OF SAMPLE SET IN COOLERS #6 AND #11				

Additional Comments: PLEASE BATCH ALL COOLERS BY SAMPLING LOCATION - "LANDFIL 5"

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt ☐ Yes ☐ No
[signature]	FEDEX	6/7/06	1600	SEVERN TRENT SERVICES 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0184 Attention: Karen Kuoppala	Condition of Contents
	[signature]	6/8/06	0915		Contents Temperature
					Laboratory Project Number

I-346

August 2006

1.4
6/18/06
BS
JA1

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

COOLER 10
LANDFILL 3

Project Name & Number	PACKING AND SHIPPING DETAILS	
Cannon Air Force Base, Ground Water Sampling 8636-9JV01	Packed and Sealed for Shipping by R. Wilcox	Seal Number 556044
Sampling Location: Landfill 5, (Wells A, B, C, D, S, T, U) Cannon Air Force Base, NM	Delivered to Shipper by R. Wilcox	Airbill Number 8565 9210 0664
Team Leader: Project chief -- Fred Gebhardt	Sampling Status: ☑ Done ☐ Continuing	

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
June, 6 2006	1325	CAFB- D-MSD	Ground-water	18	Apx-IX: SW8260B, 8270C, 8280A, 8310, 8081A, 8082, 8151A T.-metals: SW6010(Al, B, Ba, Be, Ca,Co, Cu, Fe, Mg, Mn, Mo Ni, K, Na, Si, Sn, V, Zn), SW6020-ICP-MS(Sb, Ag, As, Cd, Cr, Pb, Se, Tl), SW7470 (Hg), SW9060, 9020B, Perc. 6860, E353.2 (N), E300.0A(Anions), E310.1, E160.1, E335.3	Environmental Sample
		REMAINDER OF SAMPLE SET 12 #11 (VOCs)				

Additional Comments: PLEASE BATCH SAMPLES BY SAMPLING LOCATION

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt ☐ Yes ☐ No
[signature]	FEDEX	6/7/06	1600	SEVERN TRENT SERVICES 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0184 Attention: Karen Kuoppala	Condition of Contents
	[signature]	6/8/06	0915		Contents Temperature
					Laboratory Project Number

I-347

August 2006

3.3
4.7
6/8/06
083121

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

COOLER
4 OF 11

Project Name & Number: Cannon Air Force Base, Ground Water Sampling 8636-9JV01	PACKING AND SHIPPING DETAILS
	Packed and Sealed for Shipping by: R. Wilcox — Seal Number: 556114
Sampling Location: Landfill 5, (Wells A, B, C, D, S, T, U) Cannon Air Force Base, NM	Delivered to Shipper by: R. Wilcox — Airbill Number: 8565 9210 0664
Team Leader: Project chief -- Fred Gebhardt	Sampling Status: ☑ Done ☐ Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
June, ~~7~~ 6 2006	1305	CAFB- DD	Ground-water	18	Apx-IX: SW8260B, 8270C, 8280A, 8310, 8081A. 8082, 8151A T.-metals: SW6010(Al, B, Ba, Be, Ca,Co, Cu. Fe, Mg, Mn, Mo Ni, K, Na, Si, Sn, V, Zn), SW6020-ICP-MS(Sb, Ag, As, Cd, Cr, Pb, Se, Tl), SW7470 (Hg), SW9060, 9020B, Perc. 6860, E353.2 (N), E300.0A(Anions), E310.1, E160.1, E335.3	Environmental Sample
		REMAINDER OF SAMPLE SET IN COOLER #6 AND #11 (VOCs)				

Additional Comments: PLEASE BATCH BY SAMPLING LOCATION - "LANDFILL 5"

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt ☐ Yes ☐ No
[signature]	FEDEX	6/7/06	1600	SEVERN TRENT SERVICES 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0184 Attention: Karen Kuoppala	Condition of Contents
	[signature]	6/8/06	0915		Contents Temperature
					Laboratory Project Number

I-348

August 2006

STL Denver

Sample Receiving Checklist

Lot #: D6F070234 Date/Time Received: 6-7-06 0900

Company Name & Sampling Site: USGS-Cannon AFB

PM to Complete This Section: *Yes* *No* *Yes* *No*

Residual chlorine check required: ☐ ☒ Quarantined : ☐ ☒

Quote #: 25228

Special Instructions:

6860 Perchlorate.

Time Zone:

• EDT/EST • CDT/CST • MDT/MST • PDT/PST • OTHER

Unpacking Checks:

Cooler #(s): _____ _____ _____ _____ _____ _____ _____ _____

Temperatures (°C): 2.1 2.3 2.1 2.8 2.5 _____ _____ _____

N/A	*Yes*	*No*		*Initials*
☐	☒	☐	1. Cooler seals intact? (N/A if hand delivered) If no, document on CUR.	BB
	☒	☐	2. Chain of custody present? If no, document on CUR.	
	☐	☒	3. Bottles broken and/or are leaking? If yes, document on CUR.	
	☐	☒	4. Multiphasic samples obvious? If yes, document on CUR.	
	☒	☐	5. Proper container & preservatives used? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR.	
☐	☒	☐	6. pH of all samples checked and meet requirements? If no, document on CUR.	
	☒	☐	7. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR, and contact PM before proceeding.	
	☒	☒	8. Did chain of custody agree with labels ID and samples received? If no, document on CUR.	
☐	☒	☐	9. Were VOA samples without headspace? If no, document on CUR.	
☐	☒	☐	10. Were VOA vials preserved? Preservative ☒HCl ☐4±2°C ☐Sodium Thiosulfate ☐ Ascorbic Acid	
	☐	☒	11. Did samples require preservation with sodium thiosulfate?	
☒	☐	☐	12. If yes to #11, did the samples contain residual chlorine? If yes, document on CUR.	
☒	☐	☐	13. Sediment present in dissolved/filtered bottles? If yes, document on CUR.	
☒	☐	☐	14. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.	
	☐	☒	15. Receipt date(s) > 48 hours past the collection date(s)? If yes, notify PA/PM.	
	☒	☐	16. Are analyses with short holding times requested?	
			ıd (TAT) requested?	

STL Denver

Sample Receiving Checklist

Lot # D6F070231

Login Checks:

Initials MH

N/A	Yes	No		
	☑	☐	18.	Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR, and contact PM before proceeding.
☑	☐	☐	19.	Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.
	☑	☐	20.	Did the chain of custody includes "received by" and "relinquished" by signatures, dates, and times?
☐	☑	☐	21.	Were special log in instructions read and followed?
☑	☐	☐	22.	Were AFCEE metals logged for refrigerated storage?
	☑	☐	23.	Were tests logged checked against the COC? Which samples were confirmed?
☑	☐	☐	24.	Was a Rush form completed for quick TAT?
☐	☑	☐	25.	Was a Short Hold form completed for any short holds?
	☐	☑	26.	Is "Strict ICOC" required?
	☐	☑	27.	Were special archiving instructions indicated in the General Comments? If so, what were they?

Labeling and Storage Checks:

Initials GP

☑	☐	☐	28.	Was the subcontract COC signed and sent with samples to bottle prep?
	☑	☐	29.	Were sample labels double-checked by a second person?
☑	☐	☐	30.	Were sample bottles and COC double checked for dissolved/filtered metals by a second person?
	☑	☐	31.	Did the sample ID, Date, and Time from label match what was logged?
☑	☐	☐	32.	Were stickers for special archiving instructions affixed to each box and to the ICOC? See #27
☑	☐	☐	33.	Were AFCEE metals stored refrigerated?
☑	☐	☐	34.	Were "Strict ICOC" copies given to satellite storage areas?

Document any problems or discrepancies and the actions taken to resolve them on a Condition Upon Receipt Anomaly Report (CUR).

STL Denver

Sample Receiving Checklist

Lot #: D6F080262 Date/Time Received: 6/8/06 0915

Company Name & Sampling Site: USGS Cannon AFB.

PM to Complete This Section: *Yes* *No* *Yes* *No*

Residual chlorine check required: ☐ ☑ Quarantined : ☐ ☑

Quote #: 25228

Special Instructions:

Time Zone:

• EDT/EST • CDT/CST • MDT/MST • PDT/PST • OTHER

Unpacking Checks:

Cooler #(s): 1

Temperatures (°C): 3.9

N/A	*Yes*	*No*		*Initials*
☐	☑	☐	1. Cooler seals intact? (N/A if hand delivered) If no, document on CUR.	AB
	☑	☐	2. Chain of custody present? If no, document on CUR.	
	☐	☑	3. Bottles broken and/or are leaking? If yes, document on CUR.	
	☐	☑	4. Multiphasic samples obvious? If yes, document on CUR.	
	☑	☐	5. Proper container & preservatives used? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR.	
☐	☑	☐	6. pH of all samples checked and meet requirements? If no, document on CUR.	
	☑	☐	7. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR, and contact PM before proceeding.	
	☑	☐	8. Did chain of custody agree with labels ID and samples received? If no, document on CUR.	
☐	☑	☐	9. Were VOA samples without headspace? If no, document on CUR.	
☐	☑	☐	10. Were VOA vials preserved? Preservative ☑HCl ☐4±2°C ☐Sodium Thiosulfate ☐ Ascorbic Acid	
	☐	☑	11. Did samples require preservation with sodium thiosulfate?	
☑	☐	☐	12. If yes to #11, did the samples contain residual chlorine? If yes, document on CUR.	
☑	☐	☐	13. Sediment present in dissolved/filtered bottles? If yes, document on CUR.	
☒	☑ yes	☐	14. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.	
	☐	☑	15. Receipt date(s) > 48 hours past the collection date(s)? If yes, notify PA/PM.	
	☑	☐	16. Are analyses with short holding times requested?	
	☐	☑	17. Was a quick Turn Around (TAT) requested?	

STL Denver

Sample Receiving Checklist

Lot # D6F080262

Login Checks:

N/A	Yes	No		Initials
	☑	☐	18. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR, and contact PM before proceeding.	
☐	☑	☐	19. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.	
	☑	☐	20. Did the chain of custody includes "received by" and "relinquished" by signatures, dates, and times?	
☐	☑	☐	21. Were special log in instructions read and followed?	
☑	☐	☐	22. Were AFCEE metals logged for refrigerated storage?	
	☑	☐	23. Were tests logged checked against the COC? Which samples were confirmed? 1	
☑	☐	☐	24. Was a Rush form completed for quick TAT?	
☐	☑	☐	25. Was a Short Hold form completed for any short holds?	
	☐	☑	26. Is "Strict ICOC" required?	
	☐	☑	27. Were special archiving instructions indicated in the General Comments? If so, what were they?	

Labeling and Storage Checks:

				Initials
☐	☑	☐	28. Was the subcontract COC signed and sent with samples to bottle prep?	
	☑	☐	29. Were sample labels double-checked by a second person?	
☑	☐	☐	30. Were sample bottles and COC double checked for dissolved/filtered metals by a second person?	
	☑	☐	31. Did the sample ID, Date, and Time from label match what was logged?	
☑	☐	☐	32. Were stickers for special archiving instructions affixed to each box and to the ICOC? See #27	
☑	☐	☐	33. Were AFCEE metals stored refrigerated?	
☑	☐	☐	34. Were "Strict ICOC" copies given to satellite storage areas?	

Document any problems or discrepancies and the actions taken to resolve them on a Condition Upon Receipt Anomaly Report (CUR).

Appendix II

Severn Trent Laboratory Results of Analysis of Sewage Lagoon
Ground Water Samples
Collected July 5, 6, and 7, 2006

SEVERN TRENT STL

STL Denver
4955 Yarrow Street
Arvada, CO 80002

Tel: 303 736 0100 Fax: 303 431 7171
www.stl-inc.com

ANALYTICAL REPORT

Cannon AFB
SDG: CANNON12
Lot #: D6F080250

Richard Daddow

U.S. Geological Survey

STL DENVER

Karen Knoppala
Project Manager

June 23, 2006
Revised August 9, 2006

Case Narrative
CANNON12

With exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory quality control samples analyzed in conjunction with the samples in this project were within established control limits.

The test results presented in this report meet all requirements of NELAC, and any exceptions are noted. This report shall not be reproduced, except in full, without written permission from the laboratory.

This report has been revised to make changes to the 8081 results for all samples in lot D6F080250. It was identified by the lab after the client questioned the results for one of the samples in this batch that the entire lot had been placed on the auto-sampler tray out of sequence. The effect was that all samples were reported incorrectly. There were a number of values erroneously reported in the original data.

Sample Receiving

Four samples and one trip blank were received under chain of custody on June 8, 2006 and logged under lot D6F080250. This lot is reported here under SDG CANNON12.

The samples were received at temperatures of 5.7°C, 2.2°C, and 4.1°C.

As per client instruction, the samples were logged for nitrate only by EPA method 353.2.

GCMS Volatiles, SW846 8260B

The MS/MSDs associated with QC batches 6171269 and 6172289 were performed on a sample from another lot and/or client and were in control.

The surrogate toluene-d8 demonstrated a recovery above the control limit in D6F080250-003. Although this could indicate a possible high bias to the reported results, the recovery was only above by 1% and there are no detects above the reporting limit.

GC Pesticides, SW846 8081A

The MS/MSD associated with QC batch 6160554 was performed on a sample from another lot and/or client and was in control.

GC PCBs, SW846 8082

The MS/MSD associated with QC batch 6160555 was performed on a sample from another lot and/or client and was in control.

HPLC/MS – Perchlorate, SW846 8321A

The MS/MSD associated with QC batch 6160357 was performed on a sample from another lot and/or client and was in control.

Samples D6F080250-001 through 004 were analyzed at a dilution due to the high concentration of target compounds. The reporting limits have been adjusted accordingly.

Metals, SW846 6010B, 6020, 7470A

Mercury was detected in the method 7470A blank associated with QC batch 6163299 at a concentration below the reporting limit, but above the method detection limit. Associated positive sample results are flagged "J".

Barium, calcium, iron, and zinc were detected in the method 6010B blank associated with QC batch 6164464 at a concentration below the reporting limit, but above the method detection limit. Associated positive sample results are flagged "J".

The method 6020 MS/MSD associated with batch 6164391 was performed on a sample from another lot and/or client and was not in control.

The method 6010B MS/MSD associated with QC batch 6164464 was performed on a sample from another lot and/or client and was in control.

The method 6010B MS/MSD associated with batch 6164391 was performed on a sample from another lot and/or client and was in control.

The method 7470A MS/MSD associated with batch 6163299 was performed on a sample from another lot and/or client and was in control.

General Chemistry, Various Methods

Samples D6F080250-001 through 004 were analyzed at a dilution for one or more parameters due to high analyte concentrations. The reporting limits have been adjusted accordingly and the associated sample data are flagged "Q".

Sulfate was detected in the method 300.0A blank at a concentration below the reporting limit, but above the method detection limit. Associated positive sample results are flagged "J".

Total organic carbon was detected in the method 9060 blank at a concentration below the reporting limit, but above the method detection limit. Associated positive sample results are flagged "J".

Total alkalinity was detected in the method 310.1 blank at a concentration below the reporting limit, but above the method detection limit. Associated positive sample results are flagged "J".

The relative percent difference between the LCS/LCSD for nitrate on QC batch 6167274 was above control limits. The individual recoveries were in control, so no corrective action was taken.

The relative percent difference between the LCS/LCSD for nitrite on QC batch 6159654 was above control limits. The individual recoveries were in control, so no corrective action was taken.

All the MS/MSDs were performed on samples from other clients and/or lots and were in control.

The method duplicate performed on D6F08025-003 for method 310.1 was in control for total alkalinity.

All other method duplicates were performed on samples from another client and/or lot and were in control.

Quality Control Definitions of Terms

Term	Definition
Batch	A set of up to 20 field samples plus associated laboratory QC samples that are similar in composition (matrix) and that are processed within the same time period with the same reagent and standard lots.
Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD)	A volume of regent water for aqueous samples or a contaminant-free solid matrix (Ottawa sand) for soil and sediment samples which is spiked with known amounts of representative target analytes and required surrogates. A LCS is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. An LCSD is a second Laboratory Control Sample.
Matrix Spike and Matrix Spike Duplicate (MS/MSD)	A field sample fortified with known quantities of target analytes that are also added to the LCS. Matrix spike duplicate is a second matrix spike sample. MSs/MSDs are carried throughout he entire analytical process and are used to determine sample matrix effect on accuracy of the measurement system. The accuracy and precision estimated using MS/MSD is only representative of the precision of the sample that was spiked.
Method Blank	A sample composed of all the reagents (in the same quantities) in reagent water carried through the entire analytical process. The method blank is used to monitor the level of contamination introduced during sample preparation steps.
Surrogate	Organic constituents not expected to be detected in environmental media and are added to every sample and QC at a known concentration. Surrogates are used to determine the efficiency of the sample preparation and the analytical process.
Sample Duplicate	A second aliquot of an environmental sample, taken form the same sample container when possible, that is processed independently with the first sample aliquot. The results are used to assess the effect of the sample matrix on the precision of the analytical process. The precision estimated using this sample is not necessarily representative to the precision for other samples in the batch.
Method Detection Limit "MDL"	The method detection limit is defined as the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from replicate analyses of low level standards in a typical representative matrix.
Reporting Limit "RL"	The STL reporting limit is normally the lowest level at which measurements become quantitatively meaningful, ie., the quantitation limit, which is approximately three times the MDL. Some projects require RLs that are less than the quantitation limit to achieve particular maximum contaminant levels (MCLs) or relevant and appropriate requirements (ARARs), but RLs cannot be less than the statistically determined MDL.

Quality Control Definitions of Qualifiers

Qualifier	Definition
*	Surrogate or Relative Percent Difference (RPD) is outside control limits.
a	Spiked analyte recovery is outside control limits.
B	Organics: Method blank contamination. The associated method blank contains the target analyte at a reportable level. Inorganics: Estimated result. Result is less than the RL
COL	More than 40% difference between the primary and confirmation detector results. The lower of the two results is reported.
DIL	The concentration is estimated or not reported due to dilution.
E	Estimated result. Result concentrations exceeds the calibration range.
G	Inorganics: Elevated reporting limit. The reporting limit is elevated due to matrix interference.
J	Organics: Estimated result. Result is less than RL Inorganics: Method blank contamination. The associated method blank contains the target analyte at a reportable level.
L	Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present
N	Spiked analyte recovery is outside stated control limits.
NC	The recovery and/or RPD were not calculated.
ND	The analyte was not detected at the MDL concentration and with a measurable degree of confidence can be said not to be present at or above the RL concentration.
p	Relative percent difference (RPD) is outside stated control limits.
Q	Elevated reporting limit. The reporting limit is elevated due to high analyte levels.
V	General Chemistry: Elevated reporting limit due to limited sample volume.
Wa	Post digestion spike recovery fell between 40-85% due to matrix interference.
Wb	Post digestion spike recovery fell between 115-150% due to matrix interference.
I	Percent recovery is estimated since the results exceeded the calibration range.
T1	A tentatively identified compound that did not generate a spectral match of 80% or greater. Typically called "unknown"
T2	A tentatively identified compound with a spectral match of 80% or better
T3	A tentatively identified compound that was calibrated for by the lab, but not on the client target analyte list.
IC	Diluted due to high inorganic chloride.

EXECUTIVE SUMMARY - Detection Highlights

CANNON12 : D6F080250

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
CAFB-F 06/07/06 09:50 001				
Perchlorate	2.5	0.10	ug/L	DEN LC-0024
Silver	0.19 B	5.0	ug/L	SW846 6020
Arsenic	2.9 B	5.0	ug/L	SW846 6020
Chromium	3.2	2.0	ug/L	SW846 6020
Lead	0.85 B	1.0	ug/L	SW846 6020
Selenium	5.6 L	5.0	ug/L	SW846 6020
Aluminum	50 B	100	ug/L	SW846 6010B
Barium	42 J,L	10	ug/L	SW846 6010B
Boron	170	100	ug/L	SW846 6010B
Calcium	49000 J	200	ug/L	SW846 6010B
Iron	65 B,J	100	ug/L	SW846 6010B
Potassium	8300	3000	ug/L	SW846 6010B
Magnesium	48000	200	ug/L	SW846 6010B
Manganese	5.5 B	10	ug/L	SW846 6010B
Sodium	54000	5000	ug/L	SW846 6010B
Silica	37000	1100	ug/L	SW846 6010B
Vanadium	16	10	ug/L	SW846 6010B
Zinc	16 B,J	20	ug/L	SW846 6010B
Methylene chloride	0.80 J	5.0	ug/L	SW846 8260B
Total Dissolved Solids	560	10	mg/L	MCAWW 160.1
Nitrate	1.2	0.10	mg/L	MCAWW 353.2
Chloride	100 Q	15	mg/L	MCAWW 300.0A
Sulfate	120 J,Q	25	mg/L	MCAWW 300.0A
Fluoride	1.8	1.0	mg/L	MCAWW 300.0A
Nitrate	1.2	0.50	mg/L	MCAWW 300.0A
Total Organic Carbon	0.48 B,J	1.0	mg/L	SW846 9060
Bromide	0.35	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	150 J	5.0	mg/L	MCAWW 310.1
CAFB-H 06/07/06 10:55 002				
Perchlorate	3.0	0.10	ug/L	DEN LC-0024
Arsenic	3.6 B	5.0	ug/L	SW846 6020
Chromium	5.6	2.0	ug/L	SW846 6020
Lead	1.7	1.0	ug/L	SW846 6020
Selenium	6.9 L	5.0	ug/L	SW846 6020
Aluminum	42 B	100	ug/L	SW846 6010B
Barium	34 J,L	10	ug/L	SW846 6010B
Boron	170	100	ug/L	SW846 6010B
Calcium	40000 J	200	ug/L	SW846 6010B
Iron	220 J	100	ug/L	SW846 6010B
Potassium	7000	3000	ug/L	SW846 6010B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

CANNON12 : D6F080250

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
CAFB-H 06/07/06 10:55 002				
Magnesium	39000	200	ug/L	SW846 6010B
Manganese	5.7 B	10	ug/L	SW846 6010B
Sodium	53000	5000	ug/L	SW846 6010B
Silica	38000	1100	ug/L	SW846 6010B
Vanadium	20	10	ug/L	SW846 6010B
Zinc	48 J	20	ug/L	SW846 6010B
Methylene chloride	0.72 J	5.0	ug/L	SW846 8260B
Total Dissolved Solids	480	10	mg/L	MCAWW 160.1
Nitrate	1.2	0.10	mg/L	MCAWW 353.2
Chloride	49	3.0	mg/L	MCAWW 300.0A
Sulfate	130 J,Q	25	mg/L	MCAWW 300.0A
Fluoride	2.0	1.0	mg/L	MCAWW 300.0A
Nitrate	1.1	0.50	mg/L	MCAWW 300.0A
Total Organic Carbon	0.45 B,J	1.0	mg/L	SW846 9060
Bromide	0.39	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	170 J	5.0	mg/L	MCAWW 310.1
CAFB-G 06/07/06 10:40 003				
Perchlorate	1.5	0.10	ug/L	DEN LC-0024
Arsenic	2.6 B	5.0	ug/L	SW846 6020
Chromium	4.3	2.0	ug/L	SW846 6020
Lead	0.32 B	1.0	ug/L	SW846 6020
Selenium	2.9 B,L	5.0	ug/L	SW846 6020
Aluminum	86 B	100	ug/L	SW846 6010B
Barium	37 J,L	10	ug/L	SW846 6010B
Boron	170	100	ug/L	SW846 6010B
Calcium	47000 J	200	ug/L	SW846 6010B
Iron	89 B,J	100	ug/L	SW846 6010B
Potassium	7700	3000	ug/L	SW846 6010B
Magnesium	47000	200	ug/L	SW846 6010B
Sodium	45000	5000	ug/L	SW846 6010B
Silica	37000	1100	ug/L	SW846 6010B
Vanadium	17	10	ug/L	SW846 6010B
Zinc	15 B,J	20	ug/L	SW846 6010B
Methylene chloride	0.71 J	5.0	ug/L	SW846 8260B
Tetrachloroethene	0.41 J	1.0	ug/L	SW846 8260B
Total Dissolved Solids	530	10	mg/L	MCAWW 160.1
Nitrate	1.6	0.10	mg/L	MCAWW 353.2
Chloride	78 Q	15	mg/L	MCAWW 300.0A
Sulfate	98 J,Q	25	mg/L	MCAWW 300.0A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

CANNON12 : D6F080250

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
CAFB-G 06/07/06 10:40 003				
Fluoride	1.7	1.0	mg/L	MCAWW 300.0A
Nitrate	1.5	0.50	mg/L	MCAWW 300.0A
Total Organic Carbon	0.55 B,J	1.0	mg/L	SW846 9060
Bromide	0.24	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	190	5.0	mg/L	MCAWW 310.1
CAFB-E 06/07/06 12:45 004				
Perchlorate	0.89	0.10	ug/L	DEN LC-0024
Arsenic	2.4 B	5.0	ug/L	SW846 6020
Chromium	2.2	2.0	ug/L	SW846 6020
Lead	0.48 B	1.0	ug/L	SW846 6020
Selenium	2.0 B,L	5.0	ug/L	SW846 6020
Barium	47 J,L	10	ug/L	SW846 6010B
Boron	190	100	ug/L	SW846 6010B
Calcium	44000 J	200	ug/L	SW846 6010B
Potassium	7400	3000	ug/L	SW846 6010B
Magnesium	42000	200	ug/L	SW846 6010B
Sodium	58000	5000	ug/L	SW846 6010B
Silica	38000	1100	ug/L	SW846 6010B
Vanadium	18	10	ug/L	SW846 6010B
Zinc	7.7 B,J	20	ug/L	SW846 6010B
Tetrachloroethene	0.53 J	1.0	ug/L	SW846 8260B
Total Dissolved Solids	500	10	mg/L	MCAWW 160.1
Nitrate	2.5	0.10	mg/L	MCAWW 353.2
Chloride	85 Q	15	mg/L	MCAWW 300.0A
Sulfate	69 J,Q	25	mg/L	MCAWW 300.0A
Fluoride	1.8	1.0	mg/L	MCAWW 300.0A
Nitrate	2.3	0.50	mg/L	MCAWW 300.0A
Total Organic Carbon	0.72 B,J	1.0	mg/L	SW846 9060
Bromide	0.18 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	200	5.0	mg/L	MCAWW 310.1

SAMPLE SUMMARY

D6F080250

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
H61P6	001	CAFB-F	06/07/06	09:50
H61QH	002	CAFB-H	06/07/06	10:55
H61QK	003	CAFB-G	06/07/06	10:40
H61QN	004	CAFB-E	06/07/06	12:45
H61QQ	005	CAFB-H-TB	06/07/06	15:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-F

GC/MS Volatiles

Lot-Sample #...: D6F080250-001 **Work Order #...:** H61P61AA **Matrix.....:** WATER
Date Sampled...: 06/07/06 09:50 **Date Received..:** 06/08/06
Prep Date.....: 06/19/06 **Analysis Date..:** 06/19/06
Prep Batch #...: 6171269 **Analysis Time..:** 21:00
Dilution Factor: 1
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	1.9
Acetonitrile	ND	20	ug/L	9.6
Acrolein	ND	20	ug/L	2.8
Acrylonitrile	ND	20	ug/L	1.4
Benzene	ND	1.0	ug/L	0.16
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	1.0	ug/L	0.19
Bromomethane	ND	2.0	ug/L	0.21
2-Butanone (MEK)	ND	5.0	ug/L	1.8
Carbon disulfide	ND	1.0	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.17
Chloroprene	ND	1.0	ug/L	0.14
Dibromochloromethane	ND	1.0	ug/L	0.17
Chloroethane	ND	2.0	ug/L	0.41
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	2.0	ug/L	0.30
Allyl chloride	ND	2.0	ug/L	0.17
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	1.5
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
Dibromomethane	ND	1.0	ug/L	0.17
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	0.80
Dichlorodifluoromethane	ND	2.0	ug/L	0.31
1,1-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.13
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.15
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.15
1,1-Dichloroethene	ND	1.0	ug/L	0.14
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.80
1,4-Dioxane	ND	200	ug/L	71
Ethylbenzene	ND	1.0	ug/L	0.16
Ethyl methacrylate	ND	1.0	ug/L	0.86

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-F

GC/MS Volatiles

Lot-Sample #...: D6F080250-001 **Work Order #...:** H61P61AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Hexanone	ND	5.0	ug/L	1.4
Iodomethane	ND	1.0	ug/L	0.23
Isobutyl alcohol	ND	50	ug/L	36
Methacrylonitrile	ND	10	ug/L	1.6
Methylene chloride	**0.80 J**	**5.0**	**ug/L**	**0.32**
Methyl methacrylate	ND	1.0	ug/L	1.1
4-Methyl-2-pentanone	ND	5.0	ug/L	0.49
Propionitrile	ND	20	ug/L	3.7
Styrene	ND	1.0	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.20
Tetrachloroethene	ND	1.0	ug/L	0.20
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16
1,1,2-Trichloroethane	ND	1.0	ug/L	0.32
Trichloroethene	ND	1.0	ug/L	0.16
Trichlorofluoromethane	ND	2.0	ug/L	0.29
1,2,3-Trichloropropane	ND	1.0	ug/L	0.27
Vinyl acetate	ND	2.0	ug/L	0.94
Vinyl chloride	ND	2.0	ug/L	0.17
Xylenes (total)	ND	2.0	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(79 - 119)
1,2-Dichloroethane-d4	96	(65 - 126)
4-Bromofluorobenzene	92	(75 - 115)
Toluene-d8	92	(78 - 118)

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

CAFB-F

GC/MS Volatiles

Lot-Sample #: D6F080250-001 **Work Order #:** H61P61AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Cyclotetrasiloxane, octamethyl	556-67-2	1.6 J	M	10.964	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-H

GC/MS Volatiles

Lot-Sample #...: D6F080250-002 **Work Order #...:** H61QH1AM **Matrix.....:** WATER
Date Sampled...: 06/07/06 10:55 **Date Received..:** 06/08/06
Prep Date.....: 06/19/06 **Analysis Date..:** 06/19/06
Prep Batch #...: 6171269 **Analysis Time..:** 21:20
Dilution Factor: 1
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	1.9
Acetonitrile	ND	20	ug/L	9.6
Acrolein	ND	20	ug/L	2.8
Acrylonitrile	ND	20	ug/L	1.4
Benzene	ND	1.0	ug/L	0.16
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	1.0	ug/L	0.19
Bromomethane	ND	2.0	ug/L	0.21
2-Butanone (MEK)	ND	5.0	ug/L	1.8
Carbon disulfide	ND	1.0	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.17
Chloroprene	ND	1.0	ug/L	0.14
Dibromochloromethane	ND	1.0	ug/L	0.17
Chloroethane	ND	2.0	ug/L	0.41
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	2.0	ug/L	0.30
Allyl chloride	ND	2.0	ug/L	0.17
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	1.5
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
Dibromomethane	ND	1.0	ug/L	0.17
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	0.80
Dichlorodifluoromethane	ND	2.0	ug/L	0.31
1,1-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.13
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.15
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.15
1,1-Dichloroethene	ND	1.0	ug/L	0.14
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.80
1,4-Dioxane	ND	200	ug/L	71
Ethylbenzene	ND	1.0	ug/L	0.16
Ethyl methacrylate	ND	1.0	ug/L	0.86

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-H

GC/MS Volatiles

Lot-Sample #...: D6F080250-002 **Work Order #...:** H61QH1AM **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Hexanone	ND	5.0	ug/L	1.4
Iodomethane	ND	1.0	ug/L	0.23
Isobutyl alcohol	ND	50	ug/L	36
Methacrylonitrile	ND	10	ug/L	1.6
Methylene chloride	**0.72 J**	**5.0**	**ug/L**	**0.32**
Methyl methacrylate	ND	1.0	ug/L	1.1
4-Methyl-2-pentanone	ND	5.0	ug/L	0.49
Propionitrile	ND	20	ug/L	3.7
Styrene	ND	1.0	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.20
Tetrachloroethene	ND	1.0	ug/L	0.20
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16
1,1,2-Trichloroethane	ND	1.0	ug/L	0.32
Trichloroethene	ND	1.0	ug/L	0.16
Trichlorofluoromethane	ND	2.0	ug/L	0.29
1,2,3-Trichloropropane	ND	1.0	ug/L	0.27
Vinyl acetate	ND	2.0	ug/L	0.94
Vinyl chloride	ND	2.0	ug/L	0.17
Xylenes (total)	ND	2.0	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(79 - 119)
1,2-Dichloroethane-d4	97	(65 - 126)
4-Bromofluorobenzene	93	(75 - 115)
Toluene-d8	91	(78 - 118)

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

CAFB-H

GC/MS Volatiles

Lot-Sample #: D6F080250-002 **Work Order #:** H61QH1AM **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Cyclotetrasiloxane, octamethyl	556-67-2	1.5 J	M	10.964	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-G

GC/MS Volatiles

Lot-Sample #...: D6F080250-003 **Work Order #...:** H61QK1AM **Matrix.....:** WATER
Date Sampled...: 06/07/06 10:40 **Date Received..:** 06/08/06
Prep Date.....: 06/20/06 **Analysis Date..:** 06/20/06
Prep Batch #...: 6172289 **Analysis Time..:** 12:20
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	1.9
Acetonitrile	ND	20	ug/L	9.6
Acrolein	ND	20	ug/L	2.8
Acrylonitrile	ND	20	ug/L	1.4
Benzene	ND	1.0	ug/L	0.16
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	1.0	ug/L	0.19
Bromomethane	ND	2.0	ug/L	0.21
2-Butanone (MEK)	ND	5.0	ug/L	1.8
Carbon disulfide	ND	1.0	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.17
Chloroprene	ND	1.0	ug/L	0.14
Dibromochloromethane	ND	1.0	ug/L	0.17
Chloroethane	ND	2.0	ug/L	0.41
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	2.0	ug/L	0.30
Allyl chloride	ND	2.0	ug/L	0.17
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	1.5
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
Dibromomethane	ND	1.0	ug/L	0.17
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	0.80
Dichlorodifluoromethane	ND	2.0	ug/L	0.31
1,1-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.13
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.15
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.15
1,1-Dichloroethene	ND	1.0	ug/L	0.14
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.80
1,4-Dioxane	ND	200	ug/L	71
Ethylbenzene	ND	1.0	ug/L	0.16
Ethyl methacrylate	ND	1.0	ug/L	0.86

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-G

GC/MS Volatiles

Lot-Sample #...: D6F080250-003 **Work Order #...:** H61QK1AM **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Hexanone	ND	5.0	ug/L	1.4
Iodomethane	ND	1.0	ug/L	0.23
Isobutyl alcohol	ND	50	ug/L	36
Methacrylonitrile	ND	10	ug/L	1.6
Methylene chloride	**0.71 J**	**5.0**	**ug/L**	**0.32**
Methyl methacrylate	ND	1.0	ug/L	1.1
4-Methyl-2-pentanone	ND	5.0	ug/L	0.49
Propionitrile	ND	20	ug/L	3.7
Styrene	ND	1.0	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.20
Tetrachloroethene	**0.41 J**	**1.0**	**ug/L**	**0.20**
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16
1,1,2-Trichloroethane	ND	1.0	ug/L	0.32
Trichloroethene	ND	1.0	ug/L	0.16
Trichlorofluoromethane	ND	2.0	ug/L	0.29
1,2,3-Trichloropropane	ND	1.0	ug/L	0.27
Vinyl acetate	ND	2.0	ug/L	0.94
Vinyl chloride	ND	2.0	ug/L	0.17
Xylenes (total)	ND	2.0	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(79 - 119)
1,2-Dichloroethane-d4	77	(65 - 126)
4-Bromofluorobenzene	100	(75 - 115)
Toluene-d8	119 *	(78 - 118)

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

CAFB-G

GC/MS Volatiles

Lot-Sample #: D6F080250-003 **Work Order #:** H61QK1AM **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Cyclotrisiloxane, hexamethyl-	541-05-9	1.6 J	M	8.9713	ug/L
Cyclotetrasiloxane, octamethyl	556-67-2	2.0 J	M	10.923	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-E

GC/MS Volatiles

Lot-Sample #...: D6F080250-004 **Work Order #...:** H61QN1AM **Matrix.....:** WATER
Date Sampled...: 06/07/06 12:45 **Date Received..:** 06/08/06
Prep Date.....: 06/20/06 **Analysis Date..:** 06/20/06
Prep Batch #...: 6172289 **Analysis Time..:** 12:41
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	1.9
Acetonitrile	ND	20	ug/L	9.6
Acrolein	ND	20	ug/L	2.8
Acrylonitrile	ND	20	ug/L	1.4
Benzene	ND	1.0	ug/L	0.16
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	1.0	ug/L	0.19
Bromomethane	ND	2.0	ug/L	0.21
2-Butanone (MEK)	ND	5.0	ug/L	1.8
Carbon disulfide	ND	1.0	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.17
Chloroprene	ND	1.0	ug/L	0.14
Dibromochloromethane	ND	1.0	ug/L	0.17
Chloroethane	ND	2.0	ug/L	0.41
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	2.0	ug/L	0.30
Allyl chloride	ND	2.0	ug/L	0.17
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	1.5
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
Dibromomethane	ND	1.0	ug/L	0.17
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	0.80
Dichlorodifluoromethane	ND	2.0	ug/L	0.31
1,1-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.13
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.15
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.15
1,1-Dichloroethene	ND	1.0	ug/L	0.14
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.80
1,4-Dioxane	ND	200	ug/L	71
Ethylbenzene	ND	1.0	ug/L	0.16
Ethyl methacrylate	ND	1.0	ug/L	0.86

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-E

GC/MS Volatiles

Lot-Sample #...: D6F080250-004 **Work Order #...:** H61QN1AM **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Hexanone	ND	5.0	ug/L	1.4
Iodomethane	ND	1.0	ug/L	0.23
Isobutyl alcohol	ND	50	ug/L	36
Methacrylonitrile	ND	10	ug/L	1.6
Methylene chloride	ND	5.0	ug/L	0.32
Methyl methacrylate	ND	1.0	ug/L	1.1
4-Methyl-2-pentanone	ND	5.0	ug/L	0.49
Propionitrile	ND	20	ug/L	3.7
Styrene	ND	1.0	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.20
Tetrachloroethene	**0.53 J**	**1.0**	**ug/L**	**0.20**
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16
1,1,2-Trichloroethane	ND	1.0	ug/L	0.32
Trichloroethene	ND	1.0	ug/L	0.16
Trichlorofluoromethane	ND	2.0	ug/L	0.29
1,2,3-Trichloropropane	ND	1.0	ug/L	0.27
Vinyl acetate	ND	2.0	ug/L	0.94
Vinyl chloride	ND	2.0	ug/L	0.17
Xylenes (total)	ND	2.0	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(79 - 119)
1,2-Dichloroethane-d4	84	(65 - 126)
4-Bromofluorobenzene	102	(75 - 115)
Toluene-d8	111	(78 - 118)

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

CAFB-E

GC/MS Volatiles

Lot-Sample #: D6F080250-004 **Work Order #:** H61QN1AM **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		1.3 J	M	10.923	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-H-TB

GC/MS Volatiles

Lot-Sample #...: D6F080250-005 **Work Order #...:** H61QQ1AA **Matrix.....:** WATER
Date Sampled...: 06/07/06 15:00 **Date Received..:** 06/08/06
Prep Date.....: 06/20/06 **Analysis Date..:** 06/20/06
Prep Batch #...: 6172289 **Analysis Time..:** 13:01
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	1.9
Acetonitrile	ND	20	ug/L	9.6
Acrolein	ND	20	ug/L	2.8
Acrylonitrile	ND	20	ug/L	1.4
Benzene	ND	1.0	ug/L	0.16
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	1.0	ug/L	0.19
Bromomethane	ND	2.0	ug/L	0.21
2-Butanone (MEK)	ND	5.0	ug/L	1.8
Carbon disulfide	ND	1.0	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.17
Chloroprene	ND	1.0	ug/L	0.14
Dibromochloromethane	ND	1.0	ug/L	0.17
Chloroethane	ND	2.0	ug/L	0.41
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	2.0	ug/L	0.30
Allyl chloride	ND	2.0	ug/L	0.17
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	1.5
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
Dibromomethane	ND	1.0	ug/L	0.17
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	0.80
Dichlorodifluoromethane	ND	2.0	ug/L	0.31
1,1-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.13
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.15
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.15
1,1-Dichloroethene	ND	1.0	ug/L	0.14
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.80
1,4-Dioxane	ND	200	ug/L	71
Ethylbenzene	ND	1.0	ug/L	0.16
Ethyl methacrylate	ND	1.0	ug/L	0.86

(Continued on next page)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-H-TB

GC/MS Volatiles

Lot-Sample #...: D6F080250-005 **Work Order #...:** H61QQ1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Hexanone	ND	5.0	ug/L	1.4
Iodomethane	ND	1.0	ug/L	0.23
Isobutyl alcohol	ND	50	ug/L	36
Methacrylonitrile	ND	10	ug/L	1.6
Methylene chloride	ND	5.0	ug/L	0.32
Methyl methacrylate	ND	1.0	ug/L	1.1
4-Methyl-2-pentanone	ND	5.0	ug/L	0.49
Propionitrile	ND	20	ug/L	3.7
Styrene	ND	1.0	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.20
Tetrachloroethene	ND	1.0	ug/L	0.20
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16
1,1,2-Trichloroethane	ND	1.0	ug/L	0.32
Trichloroethene	ND	1.0	ug/L	0.16
Trichlorofluoromethane	ND	2.0	ug/L	0.29
1,2,3-Trichloropropane	ND	1.0	ug/L	0.27
Vinyl acetate	ND	2.0	ug/L	0.94
Vinyl chloride	ND	2.0	ug/L	0.17
Xylenes (total)	ND	2.0	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(79 - 119)
1,2-Dichloroethane-d4	93	(65 - 126)
4-Bromofluorobenzene	105	(75 - 115)
Toluene-d8	115	(78 - 118)

U.S. Geological Survey (USGS)

CAFB-H-TB

GC/MS Volatiles

Lot-Sample #: D6F080250-005 **Work Order #:** H61QQ1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Cyclotetrasiloxane, octamethyl	556-67-2	1.5 J	M	10.923	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-F

GC Semivolatiles

Lot-Sample #...: D6F080250-001 **Work Order #...:** H61P61AC **Matrix.....:** WATER
Date Sampled...: 06/07/06 09:50 **Date Received..:** 06/08/06
Prep Date.....: 06/10/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6160554 **Analysis Time..:** 03:47
Dilution Factor: 1

Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug/L	0.0059
alpha-BHC	ND	0.050	ug/L	0.0053
beta-BHC	ND	0.050	ug/L	0.0087
delta-BHC	ND	0.050	ug/L	0.0058
gamma-BHC (Lindane)	ND	0.050	ug/L	0.0069
alpha-Chlordane	ND	0.050	ug/L	0.0053
gamma-Chlordane	ND	0.050	ug/L	0.0091
4,4'-DDD	ND	0.050	ug/L	0.0077
4,4'-DDE	ND	0.050	ug/L	0.0075
4,4'-DDT	ND	0.050	ug/L	0.015
Diallate	ND	1.0	ug/L	0.19
Dieldrin	ND	0.050	ug/L	0.0063
Endosulfan I	ND	0.050	ug/L	0.0058
Endosulfan II	ND	0.050	ug/L	0.0070
Endosulfan sulfate	ND	0.050	ug/L	0.0057
Endrin	ND	0.050	ug/L	0.0079
Endrin aldehyde	ND	0.050	ug/L	0.0088
Endrin ketone	ND	0.050	ug/L	0.0070
Heptachlor	ND	0.050	ug/L	0.0077
Heptachlor epoxide	ND	0.050	ug/L	0.0075
Isodrin	ND	0.10	ug/L	0.0039
Kepone	ND	1.0	ug/L	0.35
Methoxychlor	ND	0.10	ug/L	0.013
Toxaphene	ND	5.0	ug/L	0.30

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	93	(20 - 144)
Tetrachloro-m-xylene	85	(25 - 132)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-H

GC Semivolatiles

Lot-Sample #...: D6F080250-002 **Work Order #...:** H61QH1AN **Matrix.....:** WATER
Date Sampled...: 06/07/06 10:55 **Date Received..:** 06/08/06
Prep Date.....: 06/10/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6160554 **Analysis Time..:** 04:03
Dilution Factor: 1

Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug/L	0.0059
alpha-BHC	ND	0.050	ug/L	0.0053
beta-BHC	ND	0.050	ug/L	0.0087
delta-BHC	ND	0.050	ug/L	0.0058
gamma-BHC (Lindane)	ND	0.050	ug/L	0.0069
alpha-Chlordane	ND	0.050	ug/L	0.0053
gamma-Chlordane	ND	0.050	ug/L	0.0091
4,4'-DDD	ND	0.050	ug/L	0.0077
4,4'-DDE	ND	0.050	ug/L	0.0075
4,4'-DDT	ND	0.050	ug/L	0.015
Diallate	ND	1.0	ug/L	0.19
Dieldrin	ND	0.050	ug/L	0.0063
Endosulfan I	ND	0.050	ug/L	0.0058
Endosulfan II	ND	0.050	ug/L	0.0070
Endosulfan sulfate	ND	0.050	ug/L	0.0057
Endrin	ND	0.050	ug/L	0.0079
Endrin aldehyde	ND	0.050	ug/L	0.0088
Endrin ketone	ND	0.050	ug/L	0.0070
Heptachlor	ND	0.050	ug/L	0.0077
Heptachlor epoxide	ND	0.050	ug/L	0.0075
Isodrin	ND	0.10	ug/L	0.0039
Kepone	ND	1.0	ug/L	0.35
Methoxychlor	ND	0.10	ug/L	0.013
Toxaphene	ND	5.0	ug/L	0.30

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	89	(20 - 144)
Tetrachloro-m-xylene	85	(25 - 132)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-G

GC Semivolatiles

Lot-Sample #...: D6F080250-003 **Work Order #...:** H61QK1AN **Matrix.....:** WATER
Date Sampled...: 06/07/06 10:40 **Date Received..:** 06/08/06
Prep Date.....: 06/10/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6160554 **Analysis Time..:** 04:19
Dilution Factor: 1

Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug/L	0.0059
alpha-BHC	ND	0.050	ug/L	0.0053
beta-BHC	ND	0.050	ug/L	0.0087
delta-BHC	ND	0.050	ug/L	0.0058
gamma-BHC (Lindane)	ND	0.050	ug/L	0.0069
alpha-Chlordane	ND	0.050	ug/L	0.0053
gamma-Chlordane	ND	0.050	ug/L	0.0091
4,4'-DDD	ND	0.050	ug/L	0.0077
4,4'-DDE	ND	0.050	ug/L	0.0075
4,4'-DDT	ND	0.050	ug/L	0.015
Diallate	ND	1.0	ug/L	0.19
Dieldrin	ND	0.050	ug/L	0.0063
Endosulfan I	ND	0.050	ug/L	0.0058
Endosulfan II	ND	0.050	ug/L	0.0070
Endosulfan sulfate	ND	0.050	ug/L	0.0057
Endrin	ND	0.050	ug/L	0.0079
Endrin aldehyde	ND	0.050	ug/L	0.0088
Endrin ketone	ND	0.050	ug/L	0.0070
Heptachlor	ND	0.050	ug/L	0.0077
Heptachlor epoxide	ND	0.050	ug/L	0.0075
Isodrin	ND	0.10	ug/L	0.0039
Kepone	ND	1.0	ug/L	0.35
Methoxychlor	ND	0.10	ug/L	0.013
Toxaphene	ND	5.0	ug/L	0.30

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	93	(20 - 144)
Tetrachloro-m-xylene	86	(25 - 132)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-E

GC Semivolatiles

Lot-Sample #...: D6F080250-004 **Work Order #...:** H61QN1AN **Matrix.....:** WATER
Date Sampled...: 06/07/06 12:45 **Date Received..:** 06/08/06
Prep Date.....: 06/10/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6160554 **Analysis Time..:** 05:25
Dilution Factor: 1
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug/L	0.0059
alpha-BHC	ND	0.050	ug/L	0.0053
beta-BHC	ND	0.050	ug/L	0.0087
delta-BHC	ND	0.050	ug/L	0.0058
gamma-BHC (Lindane)	ND	0.050	ug/L	0.0069
alpha-Chlordane	ND	0.050	ug/L	0.0053
gamma-Chlordane	ND	0.050	ug/L	0.0091
4,4'-DDD	ND	0.050	ug/L	0.0077
4,4'-DDE	ND	0.050	ug/L	0.0075
4,4'-DDT	ND	0.050	ug/L	0.015
Diallate	ND	1.0	ug/L	0.19
Dieldrin	ND	0.050	ug/L	0.0063
Endosulfan I	ND	0.050	ug/L	0.0058
Endosulfan II	ND	0.050	ug/L	0.0070
Endosulfan sulfate	ND	0.050	ug/L	0.0057
Endrin	ND	0.050	ug/L	0.0079
Endrin aldehyde	ND	0.050	ug/L	0.0088
Endrin ketone	ND	0.050	ug/L	0.0070
Heptachlor	ND	0.050	ug/L	0.0077
Heptachlor epoxide	ND	0.050	ug/L	0.0075
Isodrin	ND	0.10	ug/L	0.0039
Kepone	ND	1.0	ug/L	0.35
Methoxychlor	ND	0.10	ug/L	0.013
Toxaphene	ND	5.0	ug/L	0.30

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	94	(20 - 144)
Tetrachloro-m-xylene	83	(25 - 132)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-F

GC Semivolatiles

Lot-Sample #...: D6F080250-001 **Work Order #...:** H61P61AD **Matrix.....:** WATER
Date Sampled...: 06/07/06 09:50 **Date Received..:** 06/08/06
Prep Date.....: 06/10/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6160555 **Analysis Time..:** 23:49
Dilution Factor: 1

Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	1.0	ug/L	0.12
Aroclor 1221	ND	1.0	ug/L	0.21
Aroclor 1232	ND	1.0	ug/L	0.17
Aroclor 1242	ND	1.0	ug/L	0.10
Aroclor 1248	ND	1.0	ug/L	0.092
Aroclor 1254	ND	1.0	ug/L	0.11
Aroclor 1260	ND	1.0	ug/L	0.16

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	83	(51 - 122)
Decachlorobiphenyl	102	(41 - 138)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-H

GC Semivolatiles

Lot-Sample #...: D6F080250-002 **Work Order #...:** H61QH1AP **Matrix.....:** WATER
Date Sampled...: 06/07/06 10:55 **Date Received..:** 06/08/06
Prep Date.....: 06/10/06 **Analysis Date..:** 06/15/06
Prep Batch #...: 6160555 **Analysis Time..:** 00:06
Dilution Factor: 1

Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	1.0	ug/L	0.12
Aroclor 1221	ND	1.0	ug/L	0.21
Aroclor 1232	ND	1.0	ug/L	0.17
Aroclor 1242	ND	1.0	ug/L	0.10
Aroclor 1248	ND	1.0	ug/L	0.092
Aroclor 1254	ND	1.0	ug/L	0.11
Aroclor 1260	ND	1.0	ug/L	0.16

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	80	(51 - 122)
Decachlorobiphenyl	97	(41 - 138)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-G

GC Semivolatiles

Lot-Sample #...: D6F080250-003 **Work Order #...:** H61QK1AP **Matrix.....:** WATER
Date Sampled...: 06/07/06 10:40 **Date Received..:** 06/08/06
Prep Date.....: 06/10/06 **Analysis Date..:** 06/15/06
Prep Batch #...: 6160555 **Analysis Time..:** 00:22
Dilution Factor: 1

Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	1.0	ug/L	0.12
Aroclor 1221	ND	1.0	ug/L	0.21
Aroclor 1232	ND	1.0	ug/L	0.17
Aroclor 1242	ND	1.0	ug/L	0.10
Aroclor 1248	ND	1.0	ug/L	0.092
Aroclor 1254	ND	1.0	ug/L	0.11
Aroclor 1260	ND	1.0	ug/L	0.16

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	79	(51 - 122)
Decachlorobiphenyl	104	(41 - 138)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-E

GC Semivolatiles

Lot-Sample #...: D6F080250-004 **Work Order #...:** H61QN1AP **Matrix.....:** WATER
Date Sampled...: 06/07/06 12:45 **Date Received..:** 06/08/06
Prep Date.....: 06/10/06 **Analysis Date..:** 06/15/06
Prep Batch #...: 6160555 **Analysis Time..:** 00:56
Dilution Factor: 1

Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	1.0	ug/L	0.12
Aroclor 1221	ND	1.0	ug/L	0.21
Aroclor 1232	ND	1.0	ug/L	0.17
Aroclor 1242	ND	1.0	ug/L	0.10
Aroclor 1248	ND	1.0	ug/L	0.092
Aroclor 1254	ND	1.0	ug/L	0.11
Aroclor 1260	ND	1.0	ug/L	0.16

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	76	(51 - 122)
Decachlorobiphenyl	90	(41 - 138)

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-F

HPLC

Lot-Sample #...: D6F080250-001 **Work Order #...:** H61P61CR **Matrix.....:** WATER
Date Sampled...: 06/07/06 09:50 **Date Received..:** 06/08/06
Prep Date.....: 06/09/06 **Analysis Date..:** 06/16/06
Prep Batch #...: 6160357 **Analysis Time..:** 01:12
Dilution Factor: 10
Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**2.5**	**0.10**	**ug/L**	**0.026**

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-H

HPLC

Lot-Sample #...: D6F080250-002 **Work Order #...:** H61QH1CR **Matrix.....:** WATER
Date Sampled...: 06/07/06 10:55 **Date Received..:** 06/08/06
Prep Date.....: 06/09/06 **Analysis Date..:** 06/16/06
Prep Batch #...: 6160357 **Analysis Time..:** 01:36
Dilution Factor: 10
Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**3.0**	**0.10**	**ug/L**	**0.026**

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-G

HPLC

Lot-Sample #...: D6F080250-003 **Work Order #...:** H61QK1CR **Matrix.....:** WATER
Date Sampled...: 06/07/06 10:40 **Date Received..:** 06/08/06
Prep Date.....: 06/09/06 **Analysis Date..:** 06/16/06
Prep Batch #...: 6160357 **Analysis Time..:** 02:01
Dilution Factor: 10
Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**1.5**	**0.10**	**ug/L**	**0.026**

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-E

HPLC

Lot-Sample #...: D6F080250-004 **Work Order #...:** H61QN1CR **Matrix.....:** WATER
Date Sampled...: 06/07/06 12:45 **Date Received..:** 06/08/06
Prep Date.....: 06/09/06 **Analysis Date..:** 06/16/06
Prep Batch #...: 6160357 **Analysis Time..:** 02:25
Dilution Factor: 10
Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**0.89**	**0.10**	**ug/L**	**0.026**

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-F

TOTAL Metals

Lot-Sample #...: D6F080250-001 **Matrix.....:** WATER
Date Sampled...: 06/07/06 09:50 **Date Received..:** 06/08/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6163299						
Mercury	ND	0.20	ug/L	SW846 7470A	06/13/06	H61P61CF
		Dilution Factor: 1		Analysis Time..: 18:13	MDL.....: 0.027	
Prep Batch #...: 6164391						
Silver	**0.19 B**	**5.0**	**ug/L**	**SW846 6020**	**06/14-06/15/06**	**H61P61CC**
		Dilution Factor: 1		Analysis Time..: 02:20	MDL.....: 0.16	
Arsenic	**2.9 B**	**5.0**	**ug/L**	**SW846 6020**	**06/14-06/15/06**	**H61P61A7**
		Dilution Factor: 1		Analysis Time..: 02:20	MDL.....: 0.21	
Cadmium	ND	1.0	ug/L	SW846 6020	06/14-06/15/06	H61P61A8
		Dilution Factor: 1		Analysis Time..: 02:20	MDL.....: 0.040	
Chromium	**3.2**	**2.0**	**ug/L**	**SW846 6020**	**06/14-06/15/06**	**H61P61CE**
		Dilution Factor: 1		Analysis Time..: 02:20	MDL.....: 0.50	
Lead	**0.85 B**	**1.0**	**ug/L**	**SW846 6020**	**06/14-06/15/06**	**H61P61A9**
		Dilution Factor: 1		Analysis Time..: 02:20	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	06/14-06/15/06	H61P61A6
		Dilution Factor: 1		Analysis Time..: 02:20	MDL.....: 0.070	
Selenium	**5.6 L**	**5.0**	**ug/L**	**SW846 6020**	**06/14-06/15/06**	**H61P61CA**
		Dilution Factor: 1		Analysis Time..: 02:20	MDL.....: 0.70	
Thallium	ND	1.0	ug/L	SW846 6020	06/14-06/15/06	H61P61CD
		Dilution Factor: 1		Analysis Time..: 02:20	MDL.....: 0.020	
Prep Batch #...: 6164464						
Aluminum	**50 B**	**100**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61P61AK**
		Dilution Factor: 1		Analysis Time..: 01:26	MDL.....: 18	
Barium	**42 J,L**	**10**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61P61AL**
		Dilution Factor: 1		Analysis Time..: 01:26	MDL.....: 1.0	
Beryllium	ND	5.0	ug/L	SW846 6010B	06/14-06/15/06	H61P61AM
		Dilution Factor: 1		Analysis Time..: 01:26	MDL.....: 1.5	

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-F

TOTAL Metals

Lot-Sample #...: D6F080250-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Boron	**170**	**100**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61P61A4**
		Dilution Factor: 1		Analysis Time..: 01:26	MDL.....: 5.9	
Calcium	**49000 J**	**200**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61P61AV**
		Dilution Factor: 1		Analysis Time..: 01:26	MDL.....: 34	
Cobalt	ND	10	ug/L	SW846 6010B	06/14-06/15/06	H61P61AW
		Dilution Factor: 1		Analysis Time..: 01:26	MDL.....: 1.2	
Copper	ND	20	ug/L	SW846 6010B	06/14-06/15/06	H61P61AN
		Dilution Factor: 1		Analysis Time..: 01:26	MDL.....: 4.5	
Iron	**65 B,J**	**100**	**ug/L**	**SW846 6010B**	**06/14-06/16/06**	**H61P61AP**
		Dilution Factor: 1		Analysis Time..: 12:55	MDL.....: 22	
Potassium	**8300**	**3000**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61P61AX**
		Dilution Factor: 1		Analysis Time..: 01:26	MDL.....: 240	
Magnesium	**48000**	**200**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61P61A0**
		Dilution Factor: 1		Analysis Time..: 01:26	MDL.....: 43	
Manganese	**5.5 B**	**10**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61P61AQ**
		Dilution Factor: 1		Analysis Time..: 01:26	MDL.....: 1.8	
Molybdenum	ND	20	ug/L	SW846 6010B	06/14-06/15/06	H61P61A1
		Dilution Factor: 1		Analysis Time..: 01:26	MDL.....: 5.3	
Sodium	**54000**	**5000**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61P61A2**
		Dilution Factor: 1		Analysis Time..: 01:26	MDL.....: 92	
Nickel	ND	40	ug/L	SW846 6010B	06/14-06/15/06	H61P61AR
		Dilution Factor: 1		Analysis Time..: 01:26	MDL.....: 7.8	
Silica	**37000**	**1100**	**ug/L**	**SW846 6010B**	**06/19/06**	**H61P61A3**
		Dilution Factor: 1		Analysis Time..: 18:21	MDL.....: 130	
Tin	ND	100	ug/L	SW846 6010B	06/14-06/15/06	H61P61A5
		Dilution Factor: 1		Analysis Time..: 01:26	MDL.....: 5.8	

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-F

TOTAL Metals

Lot-Sample #...: D6F080250-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	**16**	**10**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61P61AT**
		Dilution Factor: 1		Analysis Time..: 01:26	MDL.....: 2.5	
Zinc	**16 B,J**	**20**	**ug/L**	**SW846 6010B**	**06/14-06/16/06**	**H61P61AU**
		Dilution Factor: 1		Analysis Time..: 12:55	MDL.....: 4.5	

NOTE(S):

B Estimated result. Result is less than RL.

L Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-H

TOTAL Metals

Lot-Sample #...: D6F080250-002 **Matrix.....:** WATER
Date Sampled...: 06/07/06 10:55 **Date Received..:** 06/08/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6163299						
Mercury	ND	0.20	ug/L	SW846 7470A	06/13/06	H61QH1CF
		Dilution Factor: 1		Analysis Time..: 18:14	MDL.....: 0.027	
Prep Batch #...: 6164391						
Silver	ND	5.0	ug/L	SW846 6020	06/14-06/15/06	H61QH1CC
		Dilution Factor: 1		Analysis Time..: 02:30	MDL.....: 0.16	
Arsenic	**3.6 B**	**5.0**	**ug/L**	**SW846 6020**	**06/14-06/15/06**	**H61QH1AJ**
		Dilution Factor: 1		Analysis Time..: 02:30	MDL.....: 0.21	
Cadmium	ND	1.0	ug/L	SW846 6020	06/14-06/15/06	H61QH1AK
		Dilution Factor: 1		Analysis Time..: 02:30	MDL.....: 0.040	
Chromium	**5.6**	**2.0**	**ug/L**	**SW846 6020**	**06/14-06/15/06**	**H61QH1CE**
		Dilution Factor: 1		Analysis Time..: 02:30	MDL.....: 0.50	
Lead	**1.7**	**1.0**	**ug/L**	**SW846 6020**	**06/14-06/15/06**	**H61QH1AL**
		Dilution Factor: 1		Analysis Time..: 02:30	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	06/14-06/15/06	H61QH1AH
		Dilution Factor: 1		Analysis Time..: 02:30	MDL.....: 0.070	
Selenium	**6.9 L**	**5.0**	**ug/L**	**SW846 6020**	**06/14-06/15/06**	**H61QH1CA**
		Dilution Factor: 1		Analysis Time..: 02:30	MDL.....: 0.70	
Thallium	ND	1.0	ug/L	SW846 6020	06/14-06/15/06	H61QH1CD
		Dilution Factor: 1		Analysis Time..: 02:30	MDL.....: 0.020	
Prep Batch #...: 6164464						
Aluminum	**42 B**	**100**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61QH1AW**
		Dilution Factor: 1		Analysis Time..: 01:32	MDL.....: 18	
Barium	**34 J,L**	**10**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61QH1AX**
		Dilution Factor: 1		Analysis Time..: 01:32	MDL.....: 1.0	
Beryllium	ND	5.0	ug/L	SW846 6010B	06/14-06/15/06	H61QH1A0
		Dilution Factor: 1		Analysis Time..: 01:32	MDL.....: 1.5	

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-H

TOTAL Metals

Lot-Sample #...: D6F080250-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Boron	**170**	**100**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61QH1AF**
		Dilution Factor: 1		Analysis Time..: 01:32	MDL.....: 5.9	
Calcium	**40000 J**	**200**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61QH1A7**
		Dilution Factor: 1		Analysis Time..: 01:32	MDL.....: 34	
Cobalt	ND	10	ug/L	SW846 6010B	06/14-06/15/06	H61QH1A8
		Dilution Factor: 1		Analysis Time..: 01:32	MDL.....: 1.2	
Copper	ND	20	ug/L	SW846 6010B	06/14-06/15/06	H61QH1A1
		Dilution Factor: 1		Analysis Time..: 01:32	MDL.....: 4.5	
Iron	**220 J**	**100**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61QH1A2**
		Dilution Factor: 1		Analysis Time..: 01:32	MDL.....: 22	
Potassium	**7000**	**3000**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61QH1A9**
		Dilution Factor: 1		Analysis Time..: 01:32	MDL.....: 240	
Magnesium	**39000**	**200**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61QH1AA**
		Dilution Factor: 1		Analysis Time..: 01:32	MDL.....: 43	
Manganese	**5.7 B**	**10**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61QH1A3**
		Dilution Factor: 1		Analysis Time..: 01:32	MDL.....: 1.8	
Molybdenum	ND	20	ug/L	SW846 6010B	06/14-06/15/06	H61QH1AC
		Dilution Factor: 1		Analysis Time..: 01:32	MDL.....: 5.3	
Sodium	**53000**	**5000**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61QH1AD**
		Dilution Factor: 1		Analysis Time..: 01:32	MDL.....: 92	
Nickel	ND	40	ug/L	SW846 6010B	06/14-06/15/06	H61QH1A4
		Dilution Factor: 1		Analysis Time..: 01:32	MDL.....: 7.8	
Silica	**38000**	**1100**	**ug/L**	**SW846 6010B**	**06/19/06**	**H61QH1AE**
		Dilution Factor: 1		Analysis Time..: 18:26	MDL.....: 130	
Tin	ND	100	ug/L	SW846 6010B	06/14-06/15/06	H61QH1AG
		Dilution Factor: 1		Analysis Time..: 01:32	MDL.....: 5.8	

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-H

TOTAL Metals

Lot-Sample #...: D6F080250-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	**20**	**10**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61QH1A5**
		Dilution Factor: 1		Analysis Time..: 01:32	MDL.....: 2.5	
Zinc	**48 J**	**20**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61QH1A6**
		Dilution Factor: 1		Analysis Time..: 01:32	MDL.....: 4.5	

NOTE(S):

B Estimated result. Result is less than RL.

L Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-G

TOTAL Metals

Lot-Sample #...: D6F080250-003 **Matrix.....:** WATER
Date Sampled...: 06/07/06 10:40 **Date Received..:** 06/08/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6163299						
Mercury	ND	0.20	ug/L	SW846 7470A	06/13/06	H61QK1CF
		Dilution Factor: 1		Analysis Time..: 18:16	MDL.....: 0.027	
Prep Batch #...: 6164391						
Silver	ND	5.0	ug/L	SW846 6020	06/14-06/15/06	H61QK1CC
		Dilution Factor: 1		Analysis Time..: 02:34	MDL.....: 0.16	
Arsenic	**2.6 B**	**5.0**	**ug/L**	**SW846 6020**	**06/14-06/15/06**	**H61QK1AJ**
		Dilution Factor: 1		Analysis Time..: 02:34	MDL.....: 0.21	
Cadmium	ND	1.0	ug/L	SW846 6020	06/14-06/15/06	H61QK1AK
		Dilution Factor: 1		Analysis Time..: 02:34	MDL.....: 0.040	
Chromium	**4.3**	**2.0**	**ug/L**	**SW846 6020**	**06/14-06/15/06**	**H61QK1CE**
		Dilution Factor: 1		Analysis Time..: 02:34	MDL.....: 0.50	
Lead	**0.32 B**	**1.0**	**ug/L**	**SW846 6020**	**06/14-06/15/06**	**H61QK1AL**
		Dilution Factor: 1		Analysis Time..: 02:34	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	06/14-06/15/06	H61QK1AH
		Dilution Factor: 1		Analysis Time..: 02:34	MDL.....: 0.070	
Selenium	**2.9 B,L**	**5.0**	**ug/L**	**SW846 6020**	**06/14-06/15/06**	**H61QK1CA**
		Dilution Factor: 1		Analysis Time..: 02:34	MDL.....: 0.70	
Thallium	ND	1.0	ug/L	SW846 6020	06/14-06/15/06	H61QK1CD
		Dilution Factor: 1		Analysis Time..: 02:34	MDL.....: 0.020	
Prep Batch #...: 6164464						
Aluminum	**86 B**	**100**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61QK1AW**
		Dilution Factor: 1		Analysis Time..: 01:38	MDL.....: 18	
Barium	**37 J,L**	**10**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61QK1AX**
		Dilution Factor: 1		Analysis Time..: 01:38	MDL.....: 1.0	
Beryllium	ND	5.0	ug/L	SW846 6010B	06/14-06/15/06	H61QK1A0
		Dilution Factor: 1		Analysis Time..: 01:38	MDL.....: 1.5	

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-G

TOTAL Metals

Lot-Sample #...: D6F080250-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Boron	**170**	**100**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61QK1AF**
		Dilution Factor: 1		Analysis Time..: 01:38	MDL.....: 5.9	
Calcium	**47000 J**	**200**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61QK1A7**
		Dilution Factor: 1		Analysis Time..: 01:38	MDL.....: 34	
Cobalt	ND	10	ug/L	SW846 6010B	06/14-06/15/06	H61QK1A8
		Dilution Factor: 1		Analysis Time..: 01:38	MDL.....: 1.2	
Copper	ND	20	ug/L	SW846 6010B	06/14-06/15/06	H61QK1A1
		Dilution Factor: 1		Analysis Time..: 01:38	MDL.....: 4.5	
Iron	**89 B,J**	**100**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61QK1A2**
		Dilution Factor: 1		Analysis Time..: 01:38	MDL.....: 22	
Potassium	**7700**	**3000**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61QK1A9**
		Dilution Factor: 1		Analysis Time..: 01:38	MDL.....: 240	
Magnesium	**47000**	**200**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61QK1AA**
		Dilution Factor: 1		Analysis Time..: 01:38	MDL.....: 43	
Manganese	ND	10	ug/L	SW846 6010B	06/14-06/15/06	H61QK1A3
		Dilution Factor: 1		Analysis Time..: 01:38	MDL.....: 1.8	
Molybdenum	ND	20	ug/L	SW846 6010B	06/14-06/15/06	H61QK1AC
		Dilution Factor: 1		Analysis Time..: 01:38	MDL.....: 5.3	
Sodium	**45000**	**5000**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61QK1AD**
		Dilution Factor: 1		Analysis Time..: 01:38	MDL.....: 92	
Nickel	ND	40	ug/L	SW846 6010B	06/14-06/15/06	H61QK1A4
		Dilution Factor: 1		Analysis Time..: 01:38	MDL.....: 7.8	
Silica	**37000**	**1100**	**ug/L**	**SW846 6010B**	**06/19/06**	**H61QK1AE**
		Dilution Factor: 1		Analysis Time..: 18:31	MDL.....: 130	
Tin	ND	100	ug/L	SW846 6010B	06/14-06/15/06	H61QK1AG
		Dilution Factor: 1		Analysis Time..: 01:38	MDL.....: 5.8	

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-G

TOTAL Metals

Lot-Sample #...: D6F080250-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	**17**	**10**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61QK1A5**
		Dilution Factor: 1		Analysis Time..: 01:38	MDL.....: 2.5	
Zinc	**15 B,J**	**20**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61QK1A6**
		Dilution Factor: 1		Analysis Time..: 01:38	MDL.....: 4.5	

NOTE(S):

B Estimated result. Result is less than RL.

L Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-E

TOTAL Metals

Lot-Sample #...: D6F080250-004 **Matrix.....:** WATER
Date Sampled...: 06/07/06 12:45 **Date Received..:** 06/08/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6163299						
Mercury	ND	0.20	ug/L	SW846 7470A	06/13/06	H61QN1CF
		Dilution Factor: 1		Analysis Time..: 18:18	MDL.....: 0.027	
Prep Batch #...: 6164391						
Silver	ND	5.0	ug/L	SW846 6020	06/14-06/15/06	H61QN1CC
		Dilution Factor: 1		Analysis Time..: 02:38	MDL.....: 0.16	
Arsenic	**2.4 B**	**5.0**	**ug/L**	**SW846 6020**	**06/14-06/15/06**	**H61QN1AJ**
		Dilution Factor: 1		Analysis Time..: 02:38	MDL.....: 0.21	
Cadmium	ND	1.0	ug/L	SW846 6020	06/14-06/15/06	H61QN1AK
		Dilution Factor: 1		Analysis Time..: 02:38	MDL.....: 0.040	
Chromium	**2.2**	**2.0**	**ug/L**	**SW846 6020**	**06/14-06/15/06**	**H61QN1CE**
		Dilution Factor: 1		Analysis Time..: 02:38	MDL.....: 0.50	
Lead	**0.48 B**	**1.0**	**ug/L**	**SW846 6020**	**06/14-06/15/06**	**H61QN1AL**
		Dilution Factor: 1		Analysis Time..: 02:38	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	06/14-06/15/06	H61QN1AH
		Dilution Factor: 1		Analysis Time..: 02:38	MDL.....: 0.070	
Selenium	**2.0 B,L**	**5.0**	**ug/L**	**SW846 6020**	**06/14-06/15/06**	**H61QN1CA**
		Dilution Factor: 1		Analysis Time..: 02:38	MDL.....: 0.70	
Thallium	ND	1.0	ug/L	SW846 6020	06/14-06/15/06	H61QN1CD
		Dilution Factor: 1		Analysis Time..: 02:38	MDL.....: 0.020	
Prep Batch #...: 6164464						
Aluminum	ND	100	ug/L	SW846 6010B	06/14-06/15/06	H61QN1AW
		Dilution Factor: 1		Analysis Time..: 01:44	MDL.....: 18	
Barium	**47 J,L**	**10**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61QN1AX**
		Dilution Factor: 1		Analysis Time..: 01:44	MDL.....: 1.0	
Beryllium	ND	5.0	ug/L	SW846 6010B	06/14-06/15/06	H61QN1A0
		Dilution Factor: 1		Analysis Time..: 01:44	MDL.....: 1.5	

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-E

TOTAL Metals

Lot-Sample #...: D6F080250-004 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Boron	**190**	**100**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61QN1AF**
		Dilution Factor: 1		Analysis Time..: 01:44	MDL.....: 5.9	
Calcium	**44000 J**	**200**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61QN1A7**
		Dilution Factor: 1		Analysis Time..: 01:44	MDL.....: 34	
Cobalt	ND	10	ug/L	SW846 6010B	06/14-06/15/06	H61QN1A8
		Dilution Factor: 1		Analysis Time..: 01:44	MDL.....: 1.2	
Copper	ND	20	ug/L	SW846 6010B	06/14-06/15/06	H61QN1A1
		Dilution Factor: 1		Analysis Time..: 01:44	MDL.....: 4.5	
Iron	ND	100	ug/L	SW846 6010B	06/14-06/15/06	H61QN1A2
		Dilution Factor: 1		Analysis Time..: 01:44	MDL.....: 22	
Potassium	**7400**	**3000**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61QN1A9**
		Dilution Factor: 1		Analysis Time..: 01:44	MDL.....: 240	
Magnesium	**42000**	**200**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61QN1AA**
		Dilution Factor: 1		Analysis Time..: 01:44	MDL.....: 43	
Manganese	ND	10	ug/L	SW846 6010B	06/14-06/15/06	H61QN1A3
		Dilution Factor: 1		Analysis Time..: 01:44	MDL.....: 1.8	
Molybdenum	ND	20	ug/L	SW846 6010B	06/14-06/15/06	H61QN1AC
		Dilution Factor: 1		Analysis Time..: 01:44	MDL.....: 5.3	
Sodium	**58000**	**5000**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61QN1AD**
		Dilution Factor: 1		Analysis Time..: 01:44	MDL.....: 92	
Nickel	ND	40	ug/L	SW846 6010B	06/14-06/15/06	H61QN1A4
		Dilution Factor: 1		Analysis Time..: 01:44	MDL.....: 7.8	
Silica	**38000**	**1100**	**ug/L**	**SW846 6010B**	**06/19/06**	**H61QN1AE**
		Dilution Factor: 1		Analysis Time..: 18:36	MDL.....: 130	
Tin	ND	100	ug/L	SW846 6010B	06/14-06/15/06	H61QN1AG
		Dilution Factor: 1		Analysis Time..: 01:44	MDL.....: 5.8	

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U.S. Geological Survey (USGS)

Client Sample ID: CAFB-E

TOTAL Metals

Lot-Sample #...: D6F080250-004 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	**18**	**10**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61QN1A5**
		Dilution Factor: 1		Analysis Time..: 01:44	MDL.....: 2.5	
Zinc	**7.7 B,J**	**20**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H61QN1A6**
		Dilution Factor: 1		Analysis Time..: 01:44	MDL.....: 4.5	

NOTE(S):

B Estimated result. Result is less than RL.

L Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-F

General Chemistry

Lot-Sample #...: D6F080250-001 **Work Order #...:** H61P6 **Matrix.....:** WATER
Date Sampled...: 06/07/06 09:50 **Date Received..:** 06/08/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.35**	**0.20**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160525**
		Dilution Factor: 1		Analysis Time..: 21:28	MDL.....: 0.13	
Chloride	**100 Q**	**15**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160520**
		Dilution Factor: 5		Analysis Time..: 22:18	MDL.....: 1.3	
Fluoride	**1.8**	**1.0**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160521**
		Dilution Factor: 1		Analysis Time..: 21:28	MDL.....: 0.060	
Nitrate	**1.2**	**0.10**	**mg/L**	**MCAWW 353.2**	**06/08/06**	**6167274**
		Dilution Factor: 1		Analysis Time..: 18:30	MDL.....: 0.019	
Nitrate	**1.2**	**0.50**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160522**
		Dilution Factor: 1		Analysis Time..: 21:28	MDL.....: 0.042	
Nitrite	ND	0.010	mg/L	MCAWW 354.1	06/08/06	6159654
		Dilution Factor: 1		Analysis Time..: 18:30	MDL.....: 0.0043	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	06/08/06	6160523
		Dilution Factor: 1		Analysis Time..: 21:28	MDL.....: 0.19	
Sulfate	**120 J,Q**	**25**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160524**
		Dilution Factor: 5		Analysis Time..: 22:18	MDL.....: 1.2	
Total Alkalinity	**150 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**06/12/06**	**6164123**
		Dilution Factor: 1		Analysis Time..: 11:30	MDL.....: 1.1	
Total Dissolved Solids	**560**	**10**	**mg/L**	**MCAWW 160.1**	**06/13/06**	**6165142**
		Dilution Factor: 1		Analysis Time..: 11:00	MDL.....: 4.7	
Total Organic Carbon	**0.48 B,J**	**1.0**	**mg/L**	**SW846 9060**	**06/09-06/10/06**	**6166242**
		Dilution Factor: 1		Analysis Time..: 06:45	MDL.....: 0.16	
Total Sulfide	ND	4.0	mg/L	SW846 9030B/9034	06/13/06	6164545
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 0.69	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-H

General Chemistry

Lot-Sample #...: D6F080250-002 **Work Order #...:** H61QH **Matrix.....:** WATER
Date Sampled...: 06/07/06 10:55 **Date Received..:** 06/08/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.39**	**0.20**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160525**
		Dilution Factor: 1		Analysis Time..: 22:34	MDL.....: 0.13	
Chloride	**49**	**3.0**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160520**
		Dilution Factor: 1		Analysis Time..: 22:34	MDL.....: 0.25	
Fluoride	**2.0**	**1.0**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160521**
		Dilution Factor: 1		Analysis Time..: 22:34	MDL.....: 0.060	
Nitrate	**1.2**	**0.10**	**mg/L**	**MCAWW 353.2**	**06/08/06**	**6167274**
		Dilution Factor: 1		Analysis Time..: 18:30	MDL.....: 0.019	
Nitrate	**1.1**	**0.50**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160522**
		Dilution Factor: 1		Analysis Time..: 22:34	MDL.....: 0.042	
Nitrite	ND	0.010	mg/L	MCAWW 354.1	06/08/06	6159654
		Dilution Factor: 1		Analysis Time..: 18:30	MDL.....: 0.0043	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	06/08/06	6160523
		Dilution Factor: 1		Analysis Time..: 22:34	MDL.....: 0.19	
Sulfate	**130 J,Q**	**25**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160524**
		Dilution Factor: 5		Analysis Time..: 22:51	MDL.....: 1.2	
Total Alkalinity	**170 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**06/12/06**	**6164123**
		Dilution Factor: 1		Analysis Time..: 11:30	MDL.....: 1.1	
Total Dissolved Solids	**480**	**10**	**mg/L**	**MCAWW 160.1**	**06/13/06**	**6165142**
		Dilution Factor: 1		Analysis Time..: 11:00	MDL.....: 4.7	
Total Organic Carbon	**0.45 B,J**	**1.0**	**mg/L**	**SW846 9060**	**06/09-06/10/06**	**6166242**
		Dilution Factor: 1		Analysis Time..: 06:45	MDL.....: 0.16	
Total Sulfide	ND	4.0	mg/L	SW846 9030B/9034	06/13/06	6164545
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 0.69	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

B Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-G

General Chemistry

Lot-Sample #...: D6F080250-003 **Work Order #...:** H61QK **Matrix.....:** WATER
Date Sampled...: 06/07/06 10:40 **Date Received..:** 06/08/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.24**	**0.20**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160525**
		Dilution Factor: 1		Analysis Time..: 23:08	MDL.....: 0.13	
Chloride	**78 Q**	**15**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160520**
		Dilution Factor: 5		Analysis Time..: 23:24	MDL.....: 1.3	
Fluoride	**1.7**	**1.0**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160521**
		Dilution Factor: 1		Analysis Time..: 23:08	MDL.....: 0.060	
Nitrate	**1.6**	**0.10**	**mg/L**	**MCAWW 353.2**	**06/08/06**	**6167274**
		Dilution Factor: 1		Analysis Time..: 18:30	MDL.....: 0.019	
Nitrate	**1.5**	**0.50**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160522**
		Dilution Factor: 1		Analysis Time..: 23:08	MDL.....: 0.042	
Nitrite	ND	0.010	mg/L	MCAWW 354.1	06/08/06	6159654
		Dilution Factor: 1		Analysis Time..: 18:30	MDL.....: 0.0043	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	06/08/06	6160523
		Dilution Factor: 1		Analysis Time..: 23:08	MDL.....: 0.19	
Sulfate	**98 J,Q**	**25**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160524**
		Dilution Factor: 5		Analysis Time..: 23:24	MDL.....: 1.2	
Total Alkalinity	**190**	**5.0**	**mg/L**	**MCAWW 310.1**	**06/12/06**	**6164126**
		Dilution Factor: 1		Analysis Time..: 11:30	MDL.....: 1.1	
Total Dissolved Solids	**530**	**10**	**mg/L**	**MCAWW 160.1**	**06/13/06**	**6165142**
		Dilution Factor: 1		Analysis Time..: 11:00	MDL.....: 4.7	
Total Organic Carbon	**0.55 B,J**	**1.0**	**mg/L**	**SW846 9060**	**06/09-06/10/06**	**6166242**
		Dilution Factor: 1		Analysis Time..: 07:00	MDL.....: 0.16	
Total Sulfide	ND	4.0	mg/L	SW846 9030B/9034	06/13/06	6164545
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 0.69	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: CAFB-E

General Chemistry

Lot-Sample #...: D6F080250-004 **Work Order #...:** H61QN **Matrix.....:** WATER
Date Sampled...: 06/07/06 12:45 **Date Received..:** 06/08/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.18 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160525**
		Dilution Factor: 1		Analysis Time..: 23:41	MDL.....: 0.13	
Chloride	**85 Q**	**15**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160520**
		Dilution Factor: 5		Analysis Time..: 23:58	MDL.....: 1.3	
Fluoride	**1.8**	**1.0**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160521**
		Dilution Factor: 1		Analysis Time..: 23:41	MDL.....: 0.060	
Nitrate	**2.5**	**0.10**	**mg/L**	**MCAWW 353.2**	**06/08/06**	**6167274**
		Dilution Factor: 1		Analysis Time..: 18:30	MDL.....: 0.019	
Nitrate	**2.3**	**0.50**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160522**
		Dilution Factor: 1		Analysis Time..: 23:41	MDL.....: 0.042	
Nitrite	ND	0.010	mg/L	MCAWW 354.1	06/08/06	6159654
		Dilution Factor: 1		Analysis Time..: 18:30	MDL.....: 0.0043	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	06/08/06	6160523
		Dilution Factor: 1		Analysis Time..: 23:41	MDL.....: 0.19	
Sulfate	**69 J,Q**	**25**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160524**
		Dilution Factor: 5		Analysis Time..: 23:58	MDL.....: 1.2	
Total Alkalinity	**200**	**5.0**	**mg/L**	**MCAWW 310.1**	**06/12/06**	**6164126**
		Dilution Factor: 1		Analysis Time..: 11:30	MDL.....: 1.1	
Total Dissolved Solids	**500**	**10**	**mg/L**	**MCAWW 160.1**	**06/13/06**	**6165142**
		Dilution Factor: 1		Analysis Time..: 11:00	MDL.....: 4.7	
Total Organic Carbon	**0.72 B,J**	**1.0**	**mg/L**	**SW846 9060**	**06/09-06/10/06**	**6166242**
		Dilution Factor: 1		Analysis Time..: 07:15	MDL.....: 0.16	
Total Sulfide	ND	4.0	mg/L	SW846 9030B/9034	06/13/06	6164545
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 0.69	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

QC DATA ASSOCIATION SUMMARY

D6F080250

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 160.1		6165142	6171203
	WATER	MCAWW 353.2		6167274	
	WATER	MCAWW 354.1		6159654	6160384
	WATER	MCAWW 300.0A		6160520	6160359
	WATER	MCAWW 300.0A		6160524	6160366
	WATER	MCAWW 300.0A		6160521	6160357
	WATER	MCAWW 300.0A		6160522	6160363
	WATER	MCAWW 300.0A		6160523	6160365
	WATER	SW846 9060		6166242	6166163
	WATER	MCAWW 300.0A		6160525	6160362
	WATER	SW846 6020		6164391	6164226
	WATER	SW846 7470A		6163299	6164183
	WATER	SW846 8082		6160555	6160381
	WATER	SW846 8081A		6160554	6160380
	WATER	SW846 8260B		6171269	6171152
	WATER	SW846 6010B		6164464	6164254
	WATER	SW846 9030B/9034		6164545	
	WATER	MCAWW 310.1		6164123	6164135
	WATER	SW846 6860		6160357	6160243
002	WATER	MCAWW 160.1		6165142	6171203
	WATER	MCAWW 353.2		6167274	
	WATER	MCAWW 354.1		6159654	6160384
	WATER	MCAWW 300.0A		6160520	6160359
	WATER	MCAWW 300.0A		6160524	6160366
	WATER	MCAWW 300.0A		6160521	6160357
	WATER	MCAWW 300.0A		6160522	6160363
	WATER	MCAWW 300.0A		6160523	6160365
	WATER	SW846 9060		6166242	6166163
	WATER	MCAWW 300.0A		6160525	6160362
	WATER	SW846 6020		6164391	6164226
	WATER	SW846 7470A		6163299	6164183
	WATER	SW846 8082		6160555	6160381
	WATER	SW846 8081A		6160554	6160380
	WATER	SW846 8260B		6171269	6171152
	WATER	SW846 6010B		6164464	6164254
	WATER	SW846 9030B/9034		6164545	
	WATER	MCAWW 310.1		6164123	6164135
	WATER	SW846 6860		6160357	6160243
003	WATER	MCAWW 160.1		6165142	6171203
	WATER	MCAWW 353.2		6167274	
	WATER	MCAWW 354.1		6159654	6160384

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

D6F080250

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
003	WATER	MCAWW 300.0A		6160520	6160359
	WATER	MCAWW 300.0A		6160524	6160366
	WATER	MCAWW 300.0A		6160521	6160357
	WATER	MCAWW 300.0A		6160522	6160363
	WATER	MCAWW 300.0A		6160523	6160365
	WATER	SW846 9060		6166242	6166163
	WATER	MCAWW 300.0A		6160525	6160362
	WATER	SW846 6020		6164391	6164226
	WATER	SW846 7470A		6163299	6164183
	WATER	SW846 8082		6160555	6160381
	WATER	SW846 8081A		6160554	6160380
	WATER	SW846 8260B		6172289	6172228
	WATER	SW846 6010B		6164464	6164254
	WATER	SW846 9030B/9034		6164545	
	WATER	MCAWW 310.1		6164126	6164142
	WATER	SW846 6860		6160357	6160243
004	WATER	MCAWW 160.1		6165142	6171203
	WATER	MCAWW 353.2		6167274	
	WATER	MCAWW 354.1		6159654	6160384
	WATER	MCAWW 300.0A		6160520	6160359
	WATER	MCAWW 300.0A		6160524	6160366
	WATER	MCAWW 300.0A		6160521	6160357
	WATER	MCAWW 300.0A		6160522	6160363
	WATER	MCAWW 300.0A		6160523	6160365
	WATER	SW846 9060		6166242	6166163
	WATER	MCAWW 300.0A		6160525	6160362
	WATER	SW846 6020		6164391	6164226
	WATER	SW846 7470A		6163299	6164183
	WATER	SW846 8082		6160555	6160381
	WATER	SW846 8081A		6160554	6160380
	WATER	SW846 8260B		6172289	6172228
	WATER	SW846 6010B		6164464	6164254
	WATER	SW846 9030B/9034		6164545	
	WATER	MCAWW 310.1		6164126	6164142
	WATER	SW846 6860		6160357	6160243
005	WATER	SW846 8260B		6172289	6172228

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D6F080250 **Work Order #...:** H7Q1G1AA **Matrix.....:** WATER
MB Lot-Sample #: D6F200000-269

Prep Date.....: 06/19/06 **Analysis Time..:** 12:09
Analysis Date..: 06/19/06 **Prep Batch #...:** 6171269
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	5.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
Allyl chloride	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	200	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutyl alcohol	ND	50	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D6F080250 **Work Order #...:** H7Q1G1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methacrylonitrile	ND	10	ug/L	SW846 8260B
Methylene chloride	ND	5.0	ug/L	SW846 8260B
Methyl methacrylate	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
Propionitrile	ND	20	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	2.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(79 - 119)
1,2-Dichloroethane-d4	81	(65 - 126)
4-Bromofluorobenzene	91	(75 - 115)
Toluene-d8	93	(78 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

U.S. Geological Survey (USGS)

Method Blank Report

GC/MS Volatiles

Lot-Sample #: D6F200000-269 B **Work Order #:** H7Q1G1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		2.1 J	M	14.285	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D6F080250 **Work Order #...:** H7V0Q1AA **Matrix.....:** WATER
MB Lot-Sample #: D6F210000-289

Prep Date.....: 06/20/06 **Analysis Time..:** 11:51
Analysis Date..: 06/20/06 **Prep Batch #...:** 6172289
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	5.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
Allyl chloride	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	200	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutyl alcohol	ND	50	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D6F080250 **Work Order #...:** H7V0Q1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methacrylonitrile	ND	10	ug/L	SW846 8260B
Methylene chloride	ND	5.0	ug/L	SW846 8260B
Methyl methacrylate	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
Propionitrile	ND	20	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	2.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(79 - 119)
1,2-Dichloroethane-d4	97	(65 - 126)
4-Bromofluorobenzene	109	(75 - 115)
Toluene-d8	114	(78 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

U.S. Geological Survey (USGS)

Method Blank Report

GC/MS Volatiles

Lot-Sample #: D6F210000-289 B **Work Order #:** H7V0Q1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D6F080250 **Work Order #...:** H7Q1G1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F200000-269 H7Q1G1AD-LCSD
Prep Date.....: 06/19/06 **Analysis Date..:** 06/19/06
Prep Batch #...: 6171269 **Analysis Time..:** 11:28
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**90**	**(77 - 118)**			**SW846 8260B**
	96	**(77 - 118)**	**7.4**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**95**	**(78 - 118)**			**SW846 8260B**
	102	**(78 - 118)**	**7.6**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**104**	**(68 - 133)**			**SW846 8260B**
	111	**(68 - 133)**	**6.5**	**(0-20)**	**SW846 8260B**
Toluene	**91**	**(73 - 120)**			**SW846 8260B**
	99	**(73 - 120)**	**8.7**	**(0-20)**	**SW846 8260B**
Trichloroethene	**96**	**(78 - 122)**			**SW846 8260B**
	104	**(78 - 122)**	**8.8**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(79 - 119)
	89	(79 - 119)
1,2-Dichloroethane-d4	79	(65 - 126)
	79	(65 - 126)
4-Bromofluorobenzene	91	(75 - 115)
	92	(75 - 115)
Toluene-d8	95	(78 - 118)
	94	(78 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D6F080250 **Work Order #...:** H7Q1G1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F200000-269 H7Q1G1AD-LCSD
Prep Date.....: 06/19/06 **Analysis Date..:** 06/19/06
Prep Batch #...: 6171269 **Analysis Time..:** 11:28
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**10.0**	**8.95**	**ug/L**	**90**		**SW846 8260B**
	10.0	**9.64**	**ug/L**	**96**	**7.4**	**SW846 8260B**
Chlorobenzene	**10.0**	**9.47**	**ug/L**	**95**		**SW846 8260B**
	10.0	**10.2**	**ug/L**	**102**	**7.6**	**SW846 8260B**
1,1-Dichloroethene	**10.0**	**10.4**	**ug/L**	**104**		**SW846 8260B**
	10.0	**11.1**	**ug/L**	**111**	**6.5**	**SW846 8260B**
Toluene	**10.0**	**9.11**	**ug/L**	**91**		**SW846 8260B**
	10.0	**9.94**	**ug/L**	**99**	**8.7**	**SW846 8260B**
Trichloroethene	**10.0**	**9.55**	**ug/L**	**96**		**SW846 8260B**
	10.0	**10.4**	**ug/L**	**104**	**8.8**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(79 - 119)
	89	(79 - 119)
1,2-Dichloroethane-d4	79	(65 - 126)
	79	(65 - 126)
4-Bromofluorobenzene	91	(75 - 115)
	92	(75 - 115)
Toluene-d8	95	(78 - 118)
	94	(78 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D6F080250 **Work Order #...:** H7V0Q1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F210000-289 H7V0Q1AD-LCSD
Prep Date.....: 06/20/06 **Analysis Date..:** 06/20/06
Prep Batch #...: 6172289 **Analysis Time..:** 11:10
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**108**	**(77 - 118)**			**SW846 8260B**
	95	**(77 - 118)**	**13**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**104**	**(78 - 118)**			**SW846 8260B**
	100	**(78 - 118)**	**4.2**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**116**	**(68 - 133)**			**SW846 8260B**
	101	**(68 - 133)**	**14**	**(0-20)**	**SW846 8260B**
Toluene	**108**	**(73 - 120)**			**SW846 8260B**
	98	**(73 - 120)**	**10**	**(0-20)**	**SW846 8260B**
Trichloroethene	**107**	**(78 - 122)**			**SW846 8260B**
	95	**(78 - 122)**	**13**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(79 - 119)
	92	(79 - 119)
1,2-Dichloroethane-d4	95	(65 - 126)
	85	(65 - 126)
4-Bromofluorobenzene	107	(75 - 115)
	95	(75 - 115)
Toluene-d8	115	(78 - 118)
	104	(78 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D6F080250 **Work Order #...:** H7V0Q1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F210000-289 H7V0Q1AD-LCSD
Prep Date.....: 06/20/06 **Analysis Date..:** 06/20/06
Prep Batch #...: 6172289 **Analysis Time..:** 11:10
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**10.0**	**10.8**	**ug/L**	**108**		**SW846 8260B**
	10.0	**9.55**	**ug/L**	**95**	**13**	**SW846 8260B**
Chlorobenzene	**10.0**	**10.4**	**ug/L**	**104**		**SW846 8260B**
	10.0	**9.96**	**ug/L**	**100**	**4.2**	**SW846 8260B**
1,1-Dichloroethene	**10.0**	**11.6**	**ug/L**	**116**		**SW846 8260B**
	10.0	**10.1**	**ug/L**	**101**	**14**	**SW846 8260B**
Toluene	**10.0**	**10.8**	**ug/L**	**108**		**SW846 8260B**
	10.0	**9.78**	**ug/L**	**98**	**10**	**SW846 8260B**
Trichloroethene	**10.0**	**10.7**	**ug/L**	**107**		**SW846 8260B**
	10.0	**9.45**	**ug/L**	**95**	**13**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(79 - 119)
	92	(79 - 119)
1,2-Dichloroethane-d4	95	(65 - 126)
	85	(65 - 126)
4-Bromofluorobenzene	107	(75 - 115)
	95	(75 - 115)
Toluene-d8	115	(78 - 118)
	104	(78 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D6F080250 **Work Order #...:** H61VN1EA-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F080262-004 H61VN1EC-MSD
Date Sampled...: 06/06/06 13:15 **Date Received..:** 06/08/06
Prep Date.....: 06/19/06 **Analysis Date..:** 06/19/06
Prep Batch #...: 6171269 **Analysis Time..:** 15:35
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**90**	**(77 - 118)**			**SW846 8260B**
	96	**(77 - 118)**	**6.2**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**96**	**(78 - 118)**			**SW846 8260B**
	102	**(78 - 118)**	**5.6**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**105**	**(68 - 133)**			**SW846 8260B**
	111	**(68 - 133)**	**5.7**	**(0-20)**	**SW846 8260B**
Toluene	**91**	**(73 - 120)**			**SW846 8260B**
	97	**(73 - 120)**	**6.7**	**(0-20)**	**SW846 8260B**
Trichloroethene	**94**	**(78 - 122)**			**SW846 8260B**
	101	**(78 - 122)**	**6.3**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(79 - 119)
	91	(79 - 119)
1,2-Dichloroethane-d4	82	(65 - 126)
	83	(65 - 126)
4-Bromofluorobenzene	93	(75 - 115)
	93	(75 - 115)
Toluene-d8	92	(78 - 118)
	92	(78 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D6F080250 **Work Order #...:** H61VN1EA-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F080262-004 H61VN1EC-MSD
Date Sampled...: 06/06/06 13:15 **Date Received..:** 06/08/06
Prep Date.....: 06/19/06 **Analysis Date..:** 06/19/06
Prep Batch #...: 6171269 **Analysis Time..:** 15:35
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	**ND**	**10.0**	**9.04**	**ug/L**	**90**		**SW846 8260B**
	ND	**10.0**	**9.62**	**ug/L**	**96**	**6.2**	**SW846 8260B**
Chlorobenzene	**ND**	**10.0**	**9.63**	**ug/L**	**96**		**SW846 8260B**
	ND	**10.0**	**10.2**	**ug/L**	**102**	**5.6**	**SW846 8260B**
1,1-Dichloroethene	**ND**	**10.0**	**10.5**	**ug/L**	**105**		**SW846 8260B**
	ND	**10.0**	**11.1**	**ug/L**	**111**	**5.7**	**SW846 8260B**
Toluene	**ND**	**10.0**	**9.08**	**ug/L**	**91**		**SW846 8260B**
	ND	**10.0**	**9.71**	**ug/L**	**97**	**6.7**	**SW846 8260B**
Trichloroethene	**0.27**	**10.0**	**9.71**	**ug/L**	**94**		**SW846 8260B**
	0.27	**10.0**	**10.3**	**ug/L**	**101**	**6.3**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(79 - 119)
	91	(79 - 119)
1,2-Dichloroethane-d4	82	(65 - 126)
	83	(65 - 126)
4-Bromofluorobenzene	93	(75 - 115)
	93	(75 - 115)
Toluene-d8	92	(78 - 118)
	92	(78 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D6F080250 **Work Order #...:** H7EKQ1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F140355-001 H7EKQ1AD-MSD
Date Sampled...: 06/12/06 23:30 **Date Received..:** 06/14/06
Prep Date.....: 06/19/06 **Analysis Date..:** 06/19/06
Prep Batch #...: 6171269 **Analysis Time..:** 17:17
Dilution Factor: 20

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**89**	**(77 - 118)**			**SW846 8260B**
	93	**(77 - 118)**	**3.9**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**94**	**(78 - 118)**			**SW846 8260B**
	98	**(78 - 118)**	**4.0**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**104**	**(68 - 133)**			**SW846 8260B**
	109	**(68 - 133)**	**4.5**	**(0-20)**	**SW846 8260B**
Toluene	**90**	**(73 - 120)**			**SW846 8260B**
	93	**(73 - 120)**	**3.2**	**(0-20)**	**SW846 8260B**
Trichloroethene	**98**	**(78 - 122)**			**SW846 8260B**
	98	**(78 - 122)**	**0.21**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(79 - 119)
	97	(79 - 119)
1,2-Dichloroethane-d4	86	(65 - 126)
	91	(65 - 126)
4-Bromofluorobenzene	94	(75 - 115)
	92	(75 - 115)
Toluene-d8	92	(78 - 118)
	94	(78 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D6F080250 **Work Order #...:** H7EKQ1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F140355-001 H7EKQ1AD-MSD
Date Sampled...: 06/12/06 23:30 **Date Received..:** 06/14/06
Prep Date.....: 06/19/06 **Analysis Date..:** 06/19/06
Prep Batch #...: 6171269 **Analysis Time..:** 17:17
Dilution Factor: 20

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	**ND**	**200**	**178**	**ug/L**	**89**		**SW846 8260B**
	ND	**200**	**185**	**ug/L**	**93**	**3.9**	**SW846 8260B**
Chlorobenzene	**ND**	**200**	**188**	**ug/L**	**94**		**SW846 8260B**
	ND	**200**	**196**	**ug/L**	**98**	**4.0**	**SW846 8260B**
1,1-Dichloroethene	**ND**	**200**	**209**	**ug/L**	**104**		**SW846 8260B**
	ND	**200**	**218**	**ug/L**	**109**	**4.5**	**SW846 8260B**
Toluene	**ND**	**200**	**180**	**ug/L**	**90**		**SW846 8260B**
	ND	**200**	**186**	**ug/L**	**93**	**3.2**	**SW846 8260B**
Trichloroethene	**630**	**200**	**828**	**ug/L**	**98**		**SW846 8260B**
	630	**200**	**830**	**ug/L**	**98**	**0.21**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(79 - 119)
	97	(79 - 119)
1,2-Dichloroethane-d4	86	(65 - 126)
	91	(65 - 126)
4-Bromofluorobenzene	94	(75 - 115)
	92	(75 - 115)
Toluene-d8	92	(78 - 118)
	94	(78 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D6F080250 **Work Order #...:** H65T81AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F090355-004 H65T81AD-MSD
Date Sampled...: 06/08/06 10:47 **Date Received..:** 06/09/06
Prep Date.....: 06/20/06 **Analysis Date..:** 06/20/06
Prep Batch #...: 6172289 **Analysis Time..:** 13:56
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**107**	**(77 - 118)**			**SW846 8260B**
	104	**(77 - 118)**	**2.6**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**110**	**(78 - 118)**			**SW846 8260B**
	107	**(78 - 118)**	**2.2**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**120**	**(68 - 133)**			**SW846 8260B**
	116	**(68 - 133)**	**3.6**	**(0-20)**	**SW846 8260B**
Toluene	**114**	**(73 - 120)**			**SW846 8260B**
	110	**(73 - 120)**	**4.2**	**(0-20)**	**SW846 8260B**
Trichloroethene	**110**	**(78 - 122)**			**SW846 8260B**
	106	**(78 - 122)**	**3.9**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(79 - 119)
	100	(79 - 119)
1,2-Dichloroethane-d4	95	(65 - 126)
	90	(65 - 126)
4-Bromofluorobenzene	105	(75 - 115)
	107	(75 - 115)
Toluene-d8	117	(78 - 118)
	115	(78 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D6F080250 **Work Order #...:** H65T81AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F090355-004 H65T81AD-MSD
Date Sampled...: 06/08/06 10:47 **Date Received..:** 06/09/06
Prep Date.....: 06/20/06 **Analysis Date..:** 06/20/06
Prep Batch #...: 6172289 **Analysis Time..:** 13:56
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	**ND**	**10.0**	**10.7**	**ug/L**	**107**		**SW846 8260B**
	ND	**10.0**	**10.4**	**ug/L**	**104**	**2.6**	**SW846 8260B**
Chlorobenzene	**ND**	**10.0**	**11.0**	**ug/L**	**110**		**SW846 8260B**
	ND	**10.0**	**10.7**	**ug/L**	**107**	**2.2**	**SW846 8260B**
1,1-Dichloroethene	**ND**	**10.0**	**12.0**	**ug/L**	**120**		**SW846 8260B**
	ND	**10.0**	**11.6**	**ug/L**	**116**	**3.6**	**SW846 8260B**
Toluene	**ND**	**10.0**	**11.4**	**ug/L**	**114**		**SW846 8260B**
	ND	**10.0**	**11.0**	**ug/L**	**110**	**4.2**	**SW846 8260B**
Trichloroethene	**ND**	**10.0**	**11.0**	**ug/L**	**110**		**SW846 8260B**
	ND	**10.0**	**10.6**	**ug/L**	**106**	**3.9**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(79 - 119)
	100	(79 - 119)
1,2-Dichloroethane-d4	95	(65 - 126)
	90	(65 - 126)
4-Bromofluorobenzene	105	(75 - 115)
	107	(75 - 115)
Toluene-d8	117	(78 - 118)
	115	(78 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: D6F080250 **Work Order #...:** H66E11AA **Matrix.....:** WATER
MB Lot-Sample #: D6F090000-554

Prep Date.....: 06/10/06 **Analysis Time..:** 10:03
Analysis Date..: 06/14/06 **Prep Batch #...:** 6160554
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aldrin	ND	0.050	ug/L	SW846 8081A
alpha-BHC	ND	0.050	ug/L	SW846 8081A
beta-BHC	ND	0.050	ug/L	SW846 8081A
delta-BHC	ND	0.050	ug/L	SW846 8081A
gamma-BHC (Lindane)	ND	0.050	ug/L	SW846 8081A
alpha-Chlordane	ND	0.050	ug/L	SW846 8081A
gamma-Chlordane	ND	0.050	ug/L	SW846 8081A
4,4'-DDD	ND	0.050	ug/L	SW846 8081A
4,4'-DDE	ND	0.050	ug/L	SW846 8081A
4,4'-DDT	ND	0.050	ug/L	SW846 8081A
Diallate	ND	1.0	ug/L	SW846 8081A
Dieldrin	ND	0.050	ug/L	SW846 8081A
Endosulfan I	ND	0.050	ug/L	SW846 8081A
Endosulfan II	ND	0.050	ug/L	SW846 8081A
Endosulfan sulfate	ND	0.050	ug/L	SW846 8081A
Endrin	ND	0.050	ug/L	SW846 8081A
Endrin aldehyde	ND	0.050	ug/L	SW846 8081A
Endrin ketone	ND	0.050	ug/L	SW846 8081A
Heptachlor	ND	0.050	ug/L	SW846 8081A
Heptachlor epoxide	ND	0.050	ug/L	SW846 8081A
Isodrin	ND	0.10	ug/L	SW846 8081A
Kepone	ND	1.0	ug/L	SW846 8081A
Methoxychlor	ND	0.10	ug/L	SW846 8081A
Toxaphene	ND	5.0	ug/L	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	84	(20 - 144)
Tetrachloro-m-xylene	70	(25 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D6F080250 **Work Order #...:** H66E11AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F090000-554 H66E11AD-LCSD
Prep Date.....: 06/10/06 **Analysis Date..:** 06/13/06
Prep Batch #...: 6160554 **Analysis Time..:** 20:57
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aldrin	**79**	**(46 - 119)**			**SW846 8081A**
	77	**(46 - 119)**	**2.5**	**(0-33)**	**SW846 8081A**
gamma-BHC (Lindane)	**88**	**(68 - 119)**			**SW846 8081A**
	85	**(68 - 119)**	**2.5**	**(0-26)**	**SW846 8081A**
4,4'-DDT	**91**	**(52 - 128)**			**SW846 8081A**
	89	**(52 - 128)**	**2.2**	**(0-50)**	**SW846 8081A**
Dieldrin	**91**	**(71 - 121)**			**SW846 8081A**
	90	**(71 - 121)**	**1.0**	**(0-22)**	**SW846 8081A**
Endrin	**87**	**(59 - 133)**			**SW846 8081A**
	86	**(59 - 133)**	**0.50**	**(0-39)**	**SW846 8081A**
Heptachlor	**83**	**(51 - 117)**			**SW846 8081A**
	81	**(51 - 117)**	**2.7**	**(0-27)**	**SW846 8081A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	86	(53 - 127)
	92	(53 - 127)
Tetrachloro-m-xylene	78	(42 - 114)
	77	(42 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: D6F080250 **Work Order #...:** H66E11AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F090000-554 H66E11AD-LCSD
Prep Date.....: 06/10/06 **Analysis Date..:** 06/13/06
Prep Batch #...: 6160554 **Analysis Time..:** 20:57
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Aldrin	**0.500**	**0.394**	**ug/L**	**79**		**SW846 8081A**
	0.500	**0.384**	**ug/L**	**77**	**2.5**	**SW846 8081A**
gamma-BHC (Lindane)	**0.500**	**0.438**	**ug/L**	**88**		**SW846 8081A**
	0.500	**0.427**	**ug/L**	**85**	**2.5**	**SW846 8081A**
4,4'-DDT	**0.500**	**0.455**	**ug/L**	**91**		**SW846 8081A**
	0.500	**0.445**	**ug/L**	**89**	**2.2**	**SW846 8081A**
Dieldrin	**0.500**	**0.453**	**ug/L**	**91**		**SW846 8081A**
	0.500	**0.449**	**ug/L**	**90**	**1.0**	**SW846 8081A**
Endrin	**0.500**	**0.434**	**ug/L**	**87**		**SW846 8081A**
	0.500	**0.432**	**ug/L**	**86**	**0.50**	**SW846 8081A**
Heptachlor	**0.500**	**0.417**	**ug/L**	**83**		**SW846 8081A**
	0.500	**0.406**	**ug/L**	**81**	**2.7**	**SW846 8081A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	86	(53 - 127)
	92	(53 - 127)
Tetrachloro-m-xylene	78	(42 - 114)
	77	(42 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D6F080250 **Work Order #...:** H61VN1EF-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F080262-004 H61VN1EG-MSD
Date Sampled...: 06/06/06 13:15 **Date Received..:** 06/08/06
Prep Date.....: 06/10/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6160554 **Analysis Time..:** 06:46
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aldrin	**90**	**(49 - 112)**			**SW846 8081A**
	86	**(49 - 112)**	**9.3**	**(0-41)**	**SW846 8081A**
gamma-BHC (Lindane)	**93**	**(51 - 123)**			**SW846 8081A**
	90	**(51 - 123)**	**7.3**	**(0-33)**	**SW846 8081A**
4,4'-DDT	**93**	**(37 - 127)**			**SW846 8081A**
	90	**(37 - 127)**	**8.9**	**(0-39)**	**SW846 8081A**
Dieldrin	**95**	**(56 - 121)**			**SW846 8081A**
	93	**(56 - 121)**	**6.9**	**(0-32)**	**SW846 8081A**
Endrin	**93**	**(55 - 121)**			**SW846 8081A**
	91	**(55 - 121)**	**7.3**	**(0-39)**	**SW846 8081A**
Heptachlor	**93**	**(37 - 130)**			**SW846 8081A**
	89	**(37 - 130)**	**8.7**	**(0-32)**	**SW846 8081A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	84	(20 - 144)
	91	(20 - 144)
Tetrachloro-m-xylene	89	(25 - 132)
	85	(25 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: D6F080250 **Work Order #...:** H61VN1EF-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F080262-004 H61VN1EG-MSD
Date Sampled...: 06/06/06 13:15 **Date Received..:** 06/08/06
Prep Date.....: 06/10/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6160554 **Analysis Time..:** 06:46
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Aldrin	**ND**	**0.515**	**0.463**	**ug/L**	**90**		**SW846 8081A**
	ND	**0.490**	**0.422**	**ug/L**	**86**	**9.3**	**SW846 8081A**
gamma-BHC (Lindane)	**ND**	**0.515**	**0.477**	**ug/L**	**93**		**SW846 8081A**
	ND	**0.490**	**0.443**	**ug/L**	**90**	**7.3**	**SW846 8081A**
4,4'-DDT	**ND**	**0.515**	**0.480**	**ug/L**	**93**		**SW846 8081A**
	ND	**0.490**	**0.439**	**ug/L**	**90**	**8.9**	**SW846 8081A**
Dieldrin	**ND**	**0.515**	**0.490**	**ug/L**	**95**		**SW846 8081A**
	ND	**0.490**	**0.458**	**ug/L**	**93**	**6.9**	**SW846 8081A**
Endrin	**ND**	**0.515**	**0.478**	**ug/L**	**93**		**SW846 8081A**
	ND	**0.490**	**0.445**	**ug/L**	**91**	**7.3**	**SW846 8081A**
Heptachlor	**ND**	**0.515**	**0.477**	**ug/L**	**93**		**SW846 8081A**
	ND	**0.490**	**0.437**	**ug/L**	**89**	**8.7**	**SW846 8081A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	84	(20 - 144)
	91	(20 - 144)
Tetrachloro-m-xylene	89	(25 - 132)
	85	(25 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: D6F080250 **Work Order #...:** H66E31AA **Matrix.....:** WATER
MB Lot-Sample #: D6F090000-555

Prep Date.....: 06/10/06 **Analysis Time..:** 22:59
Analysis Date..: 06/14/06 **Prep Batch #...:** 6160555
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8082
Aroclor 1221	ND	1.0	ug/L	SW846 8082
Aroclor 1232	ND	1.0	ug/L	SW846 8082
Aroclor 1242	ND	1.0	ug/L	SW846 8082
Aroclor 1248	ND	1.0	ug/L	SW846 8082
Aroclor 1254	ND	1.0	ug/L	SW846 8082
Aroclor 1260	ND	1.0	ug/L	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	63	(51 - 122)
Decachlorobiphenyl	83	(41 - 138)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D6F080250 **Work Order #...:** H66E31AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F090000-555 H66E31AD-LCSD
Prep Date.....: 06/10/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6160555 **Analysis Time..:** 23:16
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**93**	**(61 - 125)**			**SW846 8082**
	79	**(61 - 125)**	**17**	**(0-24)**	**SW846 8082**
Aroclor 1260	**103**	**(63 - 129)**			**SW846 8082**
	96	**(63 - 129)**	**6.8**	**(0-24)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	78	(41 - 117)
	65	(41 - 117)
Decachlorobiphenyl	93	(29 - 143)
	97	(29 - 143)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: D6F080250 **Work Order #...:** H66E31AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D6F090000-555 H66E31AD-LCSD
Prep Date.....: 06/10/06 **Analysis Date..:** 06/14/06
Prep Batch #...: 6160555 **Analysis Time..:** 23:16
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Aroclor 1016	**2.00**	**1.87**	**ug/L**	**93**		**SW846 8082**
	2.00	**1.58**	**ug/L**	**79**	**17**	**SW846 8082**
Aroclor 1260	**2.00**	**2.06**	**ug/L**	**103**		**SW846 8082**
	2.00	**1.92**	**ug/L**	**96**	**6.8**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	78	(41 - 117)
	65	(41 - 117)
Decachlorobiphenyl	93	(29 - 143)
	97	(29 - 143)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D6F080250 **Work Order #...:** H61VN1EH-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F080262-004 H61VN1EJ-MSD
Date Sampled...: 06/06/06 13:15 **Date Received..:** 06/08/06
Prep Date.....: 06/10/06 **Analysis Date..:** 06/15/06
Prep Batch #...: 6160555 **Analysis Time..:** 02:19
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**90**	**(53 - 130)**			**SW846 8082**
	87	**(53 - 130)**	**4.2**	**(0-30)**	**SW846 8082**
Aroclor 1260	**109**	**(58 - 150)**			**SW846 8082**
	102	**(58 - 150)**	**7.4**	**(0-30)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	77	(51 - 122)
	78	(51 - 122)
Decachlorobiphenyl	92	(41 - 138)
	93	(41 - 138)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: D6F080250 **Work Order #...:** H61VN1EH-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F080262-004 H61VN1EJ-MSD
Date Sampled...: 06/06/06 13:15 **Date Received..:** 06/08/06
Prep Date.....: 06/10/06 **Analysis Date..:** 06/15/06
Prep Batch #...: 6160555 **Analysis Time..:** 02:19
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Aroclor 1016	**ND**	**1.95**	**1.77**	**ug/L**	**90**		**SW846 8082**
	ND	**1.94**	**1.69**	**ug/L**	**87**	**4.2**	**SW846 8082**
Aroclor 1260	**ND**	**1.95**	**2.14**	**ug/L**	**109**		**SW846 8082**
	ND	**1.94**	**1.98**	**ug/L**	**102**	**7.4**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	77	(51 - 122)
	78	(51 - 122)
Decachlorobiphenyl	92	(41 - 138)
	93	(41 - 138)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

HPLC

Client Lot #...: D6F080250 **Work Order #...:** H64LC1AA **Matrix.....:** WATER
MB Lot-Sample #: R6F090000-357

Prep Date.....: 06/09/06 **Analysis Time..:** 10:34
Analysis Date..: 06/10/06 **Prep Batch #...:** 6160357
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Perchlorate	ND	0.010	ug/L	SW846 6860

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: D6F080250 **Work Order #...:** H64LC1AC **Matrix.....:** WATER
LCS Lot-Sample#: R6F090000-357
Prep Date.....: 06/09/06 **Analysis Date..:** 06/10/06
Prep Batch #...: 6160357 **Analysis Time..:** 10:58
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Perchlorate	**101**	**(69 - 138)**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: D6F080250 **Work Order #...:** H64LC1AC **Matrix.....:** WATER
LCS Lot-Sample#: R6F090000-357
Prep Date.....: 06/09/06 **Analysis Date..:** 06/10/06
Prep Batch #...: 6160357 **Analysis Time..:** 10:58
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Perchlorate	**0.100**	**0.101**	**ug/L**	**101**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: D6F080250 **Work Order #...:** H61VN1F0-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F080262-004 H61VN1F1-MSD
Date Sampled...: 06/06/06 12:55 **Date Received..:** 06/08/06
Prep Date.....: 06/09/06 **Analysis Date..:** 06/15/06
Prep Batch #...: 6160357 **Analysis Time..:** 23:11
Dilution Factor: 10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Perchlorate	**99**	**(52 - 141)**			**SW846 6860**
	102	**(52 - 141)**	**2.3**	**(0-20)**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: D6F080250 **Work Order #...:** H61VN1F0-MS **Matrix.....:** WATER
MS Lot-Sample #: D6F080262-004 H61VN1F1-MSD
Date Sampled...: 06/06/06 12:55 **Date Received..:** 06/08/06
Prep Date.....: 06/09/06 **Analysis Date..:** 06/15/06
Prep Batch #...: 6160357 **Analysis Time..:** 23:11
Dilution Factor: 10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Perchlorate	**0.25**	**1.00**	**1.24**	**ug/L**	**99**		**SW846 6860**
	0.25	**1.00**	**1.27**	**ug/L**	**102**	**2.3**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D6F080250 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D6F120000-299 **Prep Batch #...:** 6163299						
Mercury	**0.050 B**	**0.20**	**ug/L**	**SW846 7470A**	**06/13/06**	**H68PV1AA**
		Dilution Factor: 1				
		Analysis Time..: 17:44				
MB Lot-Sample #: D6F130000-391 **Prep Batch #...:** 6164391						
Antimony	ND	2.0	ug/L	SW846 6020	06/14-06/15/06	H7AFR1AA
		Dilution Factor: 1				
		Analysis Time..: 01:58				
Arsenic	ND	5.0	ug/L	SW846 6020	06/14-06/15/06	H7AFR1AC
		Dilution Factor: 1				
		Analysis Time..: 01:58				
Cadmium	ND	1.0	ug/L	SW846 6020	06/14-06/15/06	H7AFR1AE
		Dilution Factor: 1				
		Analysis Time..: 01:58				
Chromium	ND	2.0	ug/L	SW846 6020	06/14-06/15/06	H7AFR1A7
		Dilution Factor: 1				
		Analysis Time..: 01:58				
Lead	ND	1.0	ug/L	SW846 6020	06/14-06/15/06	H7AFR1AF
		Dilution Factor: 1				
		Analysis Time..: 01:58				
Selenium	ND	5.0	ug/L	SW846 6020	06/14-06/15/06	H7AFR1A5
		Dilution Factor: 1				
		Analysis Time..: 01:58				
Silver	ND	5.0	ug/L	SW846 6020	06/14-06/15/06	H7AFR1A6
		Dilution Factor: 1				
		Analysis Time..: 01:58				
Thallium	ND	1.0	ug/L	SW846 6020	06/14-06/15/06	H7AFR1AH
		Dilution Factor: 1				
		Analysis Time..: 01:58				

(Continued on next page)

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D6F080250 **Matrix.....:** WATER

MB Lot-Sample #: D6F130000-464 **Prep Batch #...:** 6164464

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Aluminum	ND	100	ug/L	SW846 6010B	06/14-06/15/06	H7AM81AA
		Dilution Factor: 1				
		Analysis Time..: 00:15				
Barium	**1.8 B**	**10**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H7AM81AC**
		Dilution Factor: 1				
		Analysis Time..: 00:15				
Beryllium	ND	5.0	ug/L	SW846 6010B	06/14-06/15/06	H7AM81AD
		Dilution Factor: 1				
		Analysis Time..: 00:15				
Boron	ND	100	ug/L	SW846 6010B	06/14-06/15/06	H7AM81AU
		Dilution Factor: 1				
		Analysis Time..: 00:15				
Calcium	**37 B**	**200**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H7AM81AL**
		Dilution Factor: 1				
		Analysis Time..: 00:15				
Cobalt	ND	10	ug/L	SW846 6010B	06/14-06/15/06	H7AM81AM
		Dilution Factor: 1				
		Analysis Time..: 00:15				
Copper	ND	20	ug/L	SW846 6010B	06/14-06/15/06	H7AM81AE
		Dilution Factor: 1				
		Analysis Time..: 00:15				
Iron	**43 B**	**100**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H7AM81AF**
		Dilution Factor: 1				
		Analysis Time..: 00:15				
Magnesium	ND	200	ug/L	SW846 6010B	06/14-06/15/06	H7AM81AP
		Dilution Factor: 1				
		Analysis Time..: 00:15				
Manganese	ND	10	ug/L	SW846 6010B	06/14-06/15/06	H7AM81AG
		Dilution Factor: 1				
		Analysis Time..: 00:15				
Molybdenum	ND	20	ug/L	SW846 6010B	06/14-06/15/06	H7AM81AQ
		Dilution Factor: 1				
		Analysis Time..: 00:15				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D6F080250 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	ND	40	ug/L	SW846 6010B	06/14-06/15/06	H7AM81AH
		Dilution Factor: 1				
		Analysis Time..: 00:15				
Potassium	ND	3000	ug/L	SW846 6010B	06/14-06/15/06	H7AM81AN
		Dilution Factor: 1				
		Analysis Time..: 00:15				
Silica	ND	1100	ug/L	SW846 6010B	06/19/06	H7AM81AT
		Dilution Factor: 1				
		Analysis Time..: 17:26				
Sodium	ND	5000	ug/L	SW846 6010B	06/14-06/15/06	H7AM81AR
		Dilution Factor: 1				
		Analysis Time..: 00:15				
Tin	ND	100	ug/L	SW846 6010B	06/14-06/15/06	H7AM81AV
		Dilution Factor: 1				
		Analysis Time..: 00:15				
Vanadium	ND	10	ug/L	SW846 6010B	06/14-06/15/06	H7AM81AJ
		Dilution Factor: 1				
		Analysis Time..: 00:15				
Zinc	**6.1 B**	**20**	**ug/L**	**SW846 6010B**	**06/14-06/15/06**	**H7AM81AK**
		Dilution Factor: 1				
		Analysis Time..: 00:15				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: D6F080250 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Mercury	99	(85 - 114)			SW846 7470A	06/13/06	6163299
	100	(85 - 114)	0.90	(0-10)	SW846 7470A	06/13/06	6163299
		Dilution Factor: 1			Analysis Time..: 17:49		
Antimony	95	(71 - 128)			SW846 6020	06/14-06/15/06	6164391
	93	(71 - 128)	2.8	(0-20)	SW846 6020	06/14-06/15/06	6164391
		Dilution Factor: 1			Analysis Time..: 02:02		
Arsenic	94	(89 - 111)			SW846 6020	06/14-06/15/06	6164391
	93	(89 - 111)	0.98	(0-20)	SW846 6020	06/14-06/15/06	6164391
		Dilution Factor: 1			Analysis Time..: 02:02		
Cadmium	97	(89 - 111)			SW846 6020	06/14-06/15/06	6164391
	93	(89 - 111)	4.7	(0-20)	SW846 6020	06/14-06/15/06	6164391
		Dilution Factor: 1			Analysis Time..: 02:02		
Chromium	110	(86 - 124)			SW846 6020	06/14-06/15/06	6164391
	106	(86 - 124)	4.1	(0-20)	SW846 6020	06/14-06/15/06	6164391
		Dilution Factor: 1			Analysis Time..: 02:02		
Lead	103	(88 - 119)			SW846 6020	06/14-06/15/06	6164391
	103	(88 - 119)	0.24	(0-20)	SW846 6020	06/14-06/15/06	6164391
		Dilution Factor: 1			Analysis Time..: 02:02		
Selenium	83	(82 - 114)			SW846 6020	06/14-06/15/06	6164391
	86	(82 - 114)	3.0	(0-20)	SW846 6020	06/14-06/15/06	6164391
		Dilution Factor: 1			Analysis Time..: 02:02		
Silver	104	(90 - 114)			SW846 6020	06/14-06/15/06	6164391
	100	(90 - 114)	3.9	(0-20)	SW846 6020	06/14-06/15/06	6164391
		Dilution Factor: 1			Analysis Time..: 02:02		
Thallium	105	(86 - 124)			SW846 6020	06/14-06/15/06	6164391
	103	(86 - 124)	1.5	(0-20)	SW846 6020	06/14-06/15/06	6164391
		Dilution Factor: 1			Analysis Time..: 02:02		
Aluminum	93	(87 - 111)			SW846 6010B	06/14-06/15/06	6164464
	89	(87 - 111)	3.7	(0-20)	SW846 6010B	06/14-06/15/06	6164464
		Dilution Factor: 1			Analysis Time..: 19:39		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: D6F080250 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Barium	102	(92 - 112)			SW846 6010B	06/14-06/15/06	6164464
	102	(92 - 112)	0.39	(0-20)	SW846 6010B	06/14-06/15/06	6164464
		Dilution Factor: 1			Analysis Time..: 00:21		
Beryllium	92	(89 - 113)			SW846 6010B	06/14-06/15/06	6164464
	93	(89 - 113)	1.0	(0-20)	SW846 6010B	06/14-06/15/06	6164464
		Dilution Factor: 1			Analysis Time..: 00:21		
Boron	96	(86 - 110)			SW846 6010B	06/14-06/15/06	6164464
	97	(86 - 110)	0.75	(0-20)	SW846 6010B	06/14-06/15/06	6164464
		Dilution Factor: 1			Analysis Time..: 00:21		
Calcium	95	(90 - 111)			SW846 6010B	06/14-06/15/06	6164464
	96	(90 - 111)	0.54	(0-20)	SW846 6010B	06/14-06/15/06	6164464
		Dilution Factor: 1			Analysis Time..: 00:21		
Cobalt	97	(89 - 111)			SW846 6010B	06/14-06/15/06	6164464
	98	(89 - 111)	0.60	(0-20)	SW846 6010B	06/14-06/15/06	6164464
		Dilution Factor: 1			Analysis Time..: 00:21		
Copper	108	(86 - 112)			SW846 6010B	06/14-06/15/06	6164464
	106	(86 - 112)	1.9	(0-20)	SW846 6010B	06/14-06/15/06	6164464
		Dilution Factor: 1			Analysis Time..: 00:21		
Iron	105	(89 - 116)			SW846 6010B	06/14-06/15/06	6164464
	103	(89 - 116)	2.0	(0-20)	SW846 6010B	06/14-06/15/06	6164464
		Dilution Factor: 1			Analysis Time..: 00:21		
Magnesium	101	(92 - 113)			SW846 6010B	06/14-06/15/06	6164464
	101	(92 - 113)	0.72	(0-20)	SW846 6010B	06/14-06/15/06	6164464
		Dilution Factor: 1			Analysis Time..: 00:21		
Manganese	97	(90 - 110)			SW846 6010B	06/14-06/15/06	6164464
	97	(90 - 110)	0.53	(0-20)	SW846 6010B	06/14-06/15/06	6164464
		Dilution Factor: 1			Analysis Time..: 00:21		
Molybdenum	99	(90 - 110)			SW846 6010B	06/14-06/15/06	6164464
	100	(90 - 110)	1.1	(0-20)	SW846 6010B	06/14-06/15/06	6164464
		Dilution Factor: 1			Analysis Time..: 00:21		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: D6F080250 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Nickel	98	(89 - 111)			SW846 6010B	06/14-06/15/06	6164464
	99	(89 - 111)	0.26	(0-20)	SW846 6010B	06/14-06/15/06	6164464
		Dilution Factor: 1			Analysis Time..: 00:21		
Potassium	105	(89 - 114)			SW846 6010B	06/14-06/15/06	6164464
	105	(89 - 114)	0.14	(0-20)	SW846 6010B	06/14-06/15/06	6164464
		Dilution Factor: 1			Analysis Time..: 00:21		
Silica	98	(93 - 113)			SW846 6010B	06/19/06	6164464
	98	(93 - 113)	0.01	(0-20)	SW846 6010B	06/19/06	6164464
		Dilution Factor: 1			Analysis Time..: 17:31		
Sodium	100	(90 - 117)			SW846 6010B	06/14-06/15/06	6164464
	100	(90 - 117)	0.07	(0-20)	SW846 6010B	06/14-06/15/06	6164464
		Dilution Factor: 1			Analysis Time..: 00:21		
Tin	96	(85 - 113)			SW846 6010B	06/14-06/15/06	6164464
	97	(85 - 113)	1.0	(0-20)	SW846 6010B	06/14-06/15/06	6164464
		Dilution Factor: 1			Analysis Time..: 00:21		
Vanadium	97	(91 - 111)			SW846 6010B	06/14-06/15/06	6164464
	98	(91 - 111)	0.95	(0-20)	SW846 6010B	06/14-06/15/06	6164464
		Dilution Factor: 1			Analysis Time..: 00:21		
Zinc	109	(84 - 111)			SW846 6010B	06/14-06/15/06	6164464
	102	(84 - 111)	6.9	(0-20)	SW846 6010B	06/14-06/15/06	6164464
		Dilution Factor: 1			Analysis Time..: 00:21		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: D6F080250 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Mercury	5.00	4.95	ug/L	99		SW846 7470A	06/13/06	6163299
	5.00	4.99	ug/L	100	0.90	SW846 7470A	06/13/06	6163299
			Dilution Factor: 1			Analysis Time..: 17:49		
Antimony	40.0	38.2	ug/L	95		SW846 6020	06/14-06/15/06	6164391
	40.0	37.1	ug/L	93	2.8	SW846 6020	06/14-06/15/06	6164391
			Dilution Factor: 1			Analysis Time..: 02:02		
Arsenic	40.0	37.5	ug/L	94		SW846 6020	06/14-06/15/06	6164391
	40.0	37.1	ug/L	93	0.98	SW846 6020	06/14-06/15/06	6164391
			Dilution Factor: 1			Analysis Time..: 02:02		
Cadmium	40.0	38.8	ug/L	97		SW846 6020	06/14-06/15/06	6164391
	40.0	37.0	ug/L	93	4.7	SW846 6020	06/14-06/15/06	6164391
			Dilution Factor: 1			Analysis Time..: 02:02		
Chromium	40.0	44.1	ug/L	110		SW846 6020	06/14-06/15/06	6164391
	40.0	42.3	ug/L	106	4.1	SW846 6020	06/14-06/15/06	6164391
			Dilution Factor: 1			Analysis Time..: 02:02		
Lead	40.0	41.2	ug/L	103		SW846 6020	06/14-06/15/06	6164391
	40.0	41.1	ug/L	103	0.24	SW846 6020	06/14-06/15/06	6164391
			Dilution Factor: 1			Analysis Time..: 02:02		
Selenium	40.0	33.4	ug/L	83		SW846 6020	06/14-06/15/06	6164391
	40.0	34.4	ug/L	86	3.0	SW846 6020	06/14-06/15/06	6164391
			Dilution Factor: 1			Analysis Time..: 02:02		
Silver	40.0	41.5	ug/L	104		SW846 6020	06/14-06/15/06	6164391
	40.0	39.9	ug/L	100	3.9	SW846 6020	06/14-06/15/06	6164391
			Dilution Factor: 1			Analysis Time..: 02:02		
Thallium	40.0	42.0	ug/L	105		SW846 6020	06/14-06/15/06	6164391
	40.0	41.4	ug/L	103	1.5	SW846 6020	06/14-06/15/06	6164391
			Dilution Factor: 1			Analysis Time..: 02:02		
Aluminum	2000	1850	ug/L	93		SW846 6010B	06/14-06/15/06	6164464
	2000	1780	ug/L	89	3.7	SW846 6010B	06/14-06/15/06	6164464
			Dilution Factor: 1			Analysis Time..: 19:39		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: D6F080250 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Barium	2000	2050	ug/L	102		SW846 6010B	06/14-06/15/06	6164464
	2000	2040	ug/L	102	0.39	SW846 6010B	06/14-06/15/06	6164464
			Dilution Factor: 1			Analysis Time..: 00:21		
Beryllium	50.0	46.0	ug/L	92		SW846 6010B	06/14-06/15/06	6164464
	50.0	46.5	ug/L	93	1.0	SW846 6010B	06/14-06/15/06	6164464
			Dilution Factor: 1			Analysis Time..: 00:21		
Boron	1000	959	ug/L	96		SW846 6010B	06/14-06/15/06	6164464
	1000	966	ug/L	97	0.75	SW846 6010B	06/14-06/15/06	6164464
			Dilution Factor: 1			Analysis Time..: 00:21		
Calcium	50000	47600	ug/L	95		SW846 6010B	06/14-06/15/06	6164464
	50000	47900	ug/L	96	0.54	SW846 6010B	06/14-06/15/06	6164464
			Dilution Factor: 1			Analysis Time..: 00:21		
Cobalt	500	486	ug/L	97		SW846 6010B	06/14-06/15/06	6164464
	500	489	ug/L	98	0.60	SW846 6010B	06/14-06/15/06	6164464
			Dilution Factor: 1			Analysis Time..: 00:21		
Copper	250	269	ug/L	108		SW846 6010B	06/14-06/15/06	6164464
	250	264	ug/L	106	1.9	SW846 6010B	06/14-06/15/06	6164464
			Dilution Factor: 1			Analysis Time..: 00:21		
Iron	1000	1050	ug/L	105		SW846 6010B	06/14-06/15/06	6164464
	1000	1030	ug/L	103	2.0	SW846 6010B	06/14-06/15/06	6164464
			Dilution Factor: 1			Analysis Time..: 00:21		
Magnesium	50000	50300	ug/L	101		SW846 6010B	06/14-06/15/06	6164464
	50000	50700	ug/L	101	0.72	SW846 6010B	06/14-06/15/06	6164464
			Dilution Factor: 1			Analysis Time..: 00:21		
Manganese	500	484	ug/L	97		SW846 6010B	06/14-06/15/06	6164464
	500	486	ug/L	97	0.53	SW846 6010B	06/14-06/15/06	6164464
			Dilution Factor: 1			Analysis Time..: 00:21		
Molybdenum	1000	989	ug/L	99		SW846 6010B	06/14-06/15/06	6164464
	1000	1000	ug/L	100	1.1	SW846 6010B	06/14-06/15/06	6164464
			Dilution Factor: 1			Analysis Time..: 00:21		

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: D6F080250 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nickel	500	492	ug/L	98		SW846 6010B	06/14-06/15/06	6164464
	500	493	ug/L	99	0.26	SW846 6010B	06/14-06/15/06	6164464
			Dilution Factor: 1			Analysis Time..: 00:21		
Potassium	50000	52500	ug/L	105		SW846 6010B	06/14-06/15/06	6164464
	50000	52400	ug/L	105	0.14	SW846 6010B	06/14-06/15/06	6164464
			Dilution Factor: 1			Analysis Time..: 00:21		
Silica	21400	20900	ug/L	98		SW846 6010B	06/19/06	6164464
	21400	20900	ug/L	98	0.01	SW846 6010B	06/19/06	6164464
			Dilution Factor: 1			Analysis Time..: 17:31		
Sodium	50000	50000	ug/L	100		SW846 6010B	06/14-06/15/06	6164464
	50000	50000	ug/L	100	0.07	SW846 6010B	06/14-06/15/06	6164464
			Dilution Factor: 1			Analysis Time..: 00:21		
Tin	2000	1920	ug/L	96		SW846 6010B	06/14-06/15/06	6164464
	2000	1940	ug/L	97	1.0	SW846 6010B	06/14-06/15/06	6164464
			Dilution Factor: 1			Analysis Time..: 00:21		
Vanadium	500	487	ug/L	97		SW846 6010B	06/14-06/15/06	6164464
	500	492	ug/L	98	0.95	SW846 6010B	06/14-06/15/06	6164464
			Dilution Factor: 1			Analysis Time..: 00:21		
Zinc	500	546	ug/L	109		SW846 6010B	06/14-06/15/06	6164464
	500	510	ug/L	102	6.9	SW846 6010B	06/14-06/15/06	6164464
			Dilution Factor: 1			Analysis Time..: 00:21		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D6F080250 **Matrix.....:** WATER
Date Sampled...: 06/07/06 12:11 **Date Received..:** 06/08/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D6F080167-001 **Prep Batch #...:** 6163299							
Mercury	96	(85 - 114)			SW846 7470A	06/13/06	H60181D4
	98	(85 - 114)	2.5	(0-10)	SW846 7470A	06/13/06	H60181D5

Dilution Factor: 1
Analysis Time..: 17:56

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D6F080250 **Matrix.....:** WATER
Date Sampled...: 06/07/06 12:11 **Date Received..:** 06/08/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D6F080167-001 **Prep Batch #...:** 6163299									
Mercury									
	ND	5.00	4.78	ug/L	96		SW846 7470A	06/13/06	H60181D4
	ND	5.00	4.90	ug/L	98	2.5	SW846 7470A	06/13/06	H60181D5

Dilution Factor: 1
Analysis Time..: 17:56

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D6F080250 **Matrix.....:** WATER
Date Sampled...: 06/07/06 11:00 **Date Received..:** 06/08/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D6F080257-002 **Prep Batch #...:** 6164391							
Antimony	80	(71 - 128)			SW846 6020	06/14-06/15/06	H61RN1CH
	90	(71 - 128)	11	(0-20)	SW846 6020	06/14-06/15/06	H61RN1CJ
		Dilution Factor: 1					
		Analysis Time..: 02:55					
Arsenic	105	(89 - 111)			SW846 6020	06/14-06/15/06	H61RN1CK
	103	(89 - 111)	1.2	(0-20)	SW846 6020	06/14-06/15/06	H61RN1CL
		Dilution Factor: 1					
		Analysis Time..: 02:55					
Cadmium	82 N	(89 - 111)			SW846 6020	06/14-06/15/06	H61RN1CP
	82 N	(89 - 111)	0.09	(0-20)	SW846 6020	06/14-06/15/06	H61RN1CQ
		Dilution Factor: 1					
		Analysis Time..: 02:55					
Chromium	110	(86 - 124)			SW846 6020	06/14-06/15/06	H61RN1DD
	111	(86 - 124)	0.97	(0-20)	SW846 6020	06/14-06/15/06	H61RN1DE
		Dilution Factor: 1					
		Analysis Time..: 02:55					
Lead	89	(88 - 119)			SW846 6020	06/14-06/15/06	H61RN1CR
	89	(88 - 119)	0.10	(0-20)	SW846 6020	06/14-06/15/06	H61RN1CT
		Dilution Factor: 1					
		Analysis Time..: 02:55					
Selenium	NC,MSB	(82 - 114)			SW846 6020	06/14-06/15/06	H61RN1C6
	NC,MSB	(82 - 114)		(0-20)	SW846 6020	06/14-06/15/06	H61RN1C7
		Dilution Factor: 1					
		Analysis Time..: 02:55					
Silver	83 N	(90 - 114)			SW846 6020	06/14-06/15/06	H61RN1C9
	83 N	(90 - 114)	0.07	(0-20)	SW846 6020	06/14-06/15/06	H61RN1DA
		Dilution Factor: 1					
		Analysis Time..: 02:55					
Thallium	91	(86 - 124)			SW846 6020	06/14-06/15/06	H61RN1CW
	91	(86 - 124)	0.62	(0-20)	SW846 6020	06/14-06/15/06	H61RN1CX
		Dilution Factor: 1					
		Analysis Time..: 02:55					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D6F080250 **Matrix.....:** WATER
Date Sampled...: 06/07/06 11:00 **Date Received..:** 06/08/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D6F080257-002 **Prep Batch #...:** 6164391									
Antimony									
	ND	40.0	32.1	ug/L	80		SW846 6020	06/14-06/15/06	H61RN1CH
	ND	40.0	36.0	ug/L	90	11	SW846 6020	06/14-06/15/06	H61RN1CJ
			Dilution Factor: 1						
			Analysis Time..: 02:55						
Arsenic									
	11	40.0	52.8	ug/L	105		SW846 6020	06/14-06/15/06	H61RN1CK
	11	40.0	52.2	ug/L	103	1.2	SW846 6020	06/14-06/15/06	H61RN1CL
			Dilution Factor: 1						
			Analysis Time..: 02:55						
Cadmium									
	0.12	40.0	32.9 N	ug/L	82		SW846 6020	06/14-06/15/06	H61RN1CP
	0.12	40.0	32.8 N	ug/L	82	0.09	SW846 6020	06/14-06/15/06	H61RN1CQ
			Dilution Factor: 1						
			Analysis Time..: 02:55						
Chromium									
	2.2	40.0	46.0	ug/L	110		SW846 6020	06/14-06/15/06	H61RN1DD
	2.2	40.0	46.5	ug/L	111	0.97	SW846 6020	06/14-06/15/06	H61RN1DE
			Dilution Factor: 1						
			Analysis Time..: 02:55						
Lead									
	0.36	40.0	36.0	ug/L	89		SW846 6020	06/14-06/15/06	H61RN1CR
	0.36	40.0	36.1	ug/L	89	0.10	SW846 6020	06/14-06/15/06	H61RN1CT
			Dilution Factor: 1						
			Analysis Time..: 02:55						
Selenium									
	190	40.0	227	ug/L			SW846 6020	06/14-06/15/06	H61RN1C6
			Qualifiers: NC,MSB						
	190	40.0	224	ug/L			SW846 6020	06/14-06/15/06	H61RN1C7
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 02:55						
Silver									
	ND	40.0	33.1 N	ug/L	83		SW846 6020	06/14-06/15/06	H61RN1C9
	ND	40.0	33.1 N	ug/L	83	0.07	SW846 6020	06/14-06/15/06	H61RN1DA
			Dilution Factor: 1						
			Analysis Time..: 02:55						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D6F080250 **Matrix.....:** WATER
Date Sampled...: 06/07/06 11:00 **Date Received..:** 06/08/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium									
	ND	40.0	36.2	ug/L	91		SW846 6020	06/14-06/15/06	H61RN1CW
	ND	40.0	36.5	ug/L	91	0.62	SW846 6020	06/14-06/15/06	H61RN1CX

Dilution Factor: 1
Analysis Time..: 02:55

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D6F080250 **Matrix.....:** WATER
Date Sampled...: 06/06/06 09:15 **Date Received..:** 06/08/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D6F080234-001 **Prep Batch #...:** 6164464							
Aluminum	88	(83 - 119)			SW846 6010B	06/14-06/15/06	H61MQ1CN
	85	(83 - 119)	3.4	(0-25)	SW846 6010B	06/14-06/15/06	H61MQ1CP
		Dilution Factor: 1					
		Analysis Time..: 00:45					
Barium	104	(85 - 120)			SW846 6010B	06/14-06/15/06	H61MQ1CQ
	104	(85 - 120)	0.41	(0-25)	SW846 6010B	06/14-06/15/06	H61MQ1CR
		Dilution Factor: 1					
		Analysis Time..: 00:45					
Beryllium	93	(79 - 121)			SW846 6010B	06/14-06/15/06	H61MQ1CT
	94	(79 - 121)	0.42	(0-25)	SW846 6010B	06/14-06/15/06	H61MQ1CU
		Dilution Factor: 1					
		Analysis Time..: 00:45					
Boron	99	(87 - 113)			SW846 6010B	06/14-06/15/06	H61MQ1DQ
	98	(87 - 113)	0.84	(0-25)	SW846 6010B	06/14-06/15/06	H61MQ1DR
		Dilution Factor: 1					
		Analysis Time..: 00:45					
Calcium	95	(48 - 153)			SW846 6010B	06/14-06/15/06	H61MQ1C9
	95	(48 - 153)	0.31	(0-25)	SW846 6010B	06/14-06/15/06	H61MQ1DA
		Dilution Factor: 1					
		Analysis Time..: 00:45					
Cobalt	98	(82 - 119)			SW846 6010B	06/14-06/15/06	H61MQ1DC
	98	(82 - 119)	0.03	(0-25)	SW846 6010B	06/14-06/15/06	H61MQ1DD
		Dilution Factor: 1					
		Analysis Time..: 00:45					
Copper	109	(82 - 129)			SW846 6010B	06/14-06/15/06	H61MQ1CV
	110	(82 - 129)	0.90	(0-25)	SW846 6010B	06/14-06/15/06	H61MQ1CW
		Dilution Factor: 1					
		Analysis Time..: 00:45					
Iron	102	(52 - 155)			SW846 6010B	06/14-06/15/06	H61MQ1CX
	104	(52 - 155)	1.4	(0-25)	SW846 6010B	06/14-06/15/06	H61MQ1C0
		Dilution Factor: 1					
		Analysis Time..: 00:45					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D6F080250 **Matrix.....:** WATER
Date Sampled...: 06/06/06 09:15 **Date Received..:** 06/08/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	104	(62 - 146)			SW846 6010B	06/14-06/15/06	H61MQ1DG
	104	(62 - 146)	0.18	(0-25)	SW846 6010B	06/14-06/15/06	H61MQ1DH
		Dilution Factor: 1					
		Analysis Time..: 00:45					
Manganese	97	(79 - 121)			SW846 6010B	06/14-06/15/06	H61MQ1C1
	98	(79 - 121)	0.69	(0-25)	SW846 6010B	06/14-06/15/06	H61MQ1C2
		Dilution Factor: 1					
		Analysis Time..: 00:45					
Molybdenum	101	(83 - 109)			SW846 6010B	06/14-06/15/06	H61MQ1DJ
	101	(83 - 109)	0.34	(0-25)	SW846 6010B	06/14-06/15/06	H61MQ1DK
		Dilution Factor: 1					
		Analysis Time..: 00:45					
Nickel	99	(84 - 120)			SW846 6010B	06/14-06/15/06	H61MQ1C3
	98	(84 - 120)	0.16	(0-25)	SW846 6010B	06/14-06/15/06	H61MQ1C4
		Dilution Factor: 1					
		Analysis Time..: 00:45					
Potassium	108	(76 - 132)			SW846 6010B	06/14-06/15/06	H61MQ1DE
	108	(76 - 132)	0.03	(0-25)	SW846 6010B	06/14-06/15/06	H61MQ1DF
		Dilution Factor: 1					
		Analysis Time..: 00:45					
Silica	99	(79 - 140)			SW846 6010B	06/19/06	H61MQ1DN
	92	(79 - 140)	2.4	(0-25)	SW846 6010B	06/19/06	H61MQ1DP
		Dilution Factor: 1					
		Analysis Time..: 17:51					
Sodium	102	(70 - 203)			SW846 6010B	06/14-06/15/06	H61MQ1DL
	100	(70 - 203)	1.1	(0-40)	SW846 6010B	06/14-06/15/06	H61MQ1DM
		Dilution Factor: 1					
		Analysis Time..: 00:45					
Tin	98	(77 - 126)			SW846 6010B	06/14-06/15/06	H61MQ1DT
	97	(77 - 126)	0.83	(0-25)	SW846 6010B	06/14-06/15/06	H61MQ1DU
		Dilution Factor: 1					
		Analysis Time..: 00:45					
Vanadium	98	(85 - 120)			SW846 6010B	06/14-06/15/06	H61MQ1C5
	99	(85 - 120)	0.65	(0-25)	SW846 6010B	06/14-06/15/06	H61MQ1C6
		Dilution Factor: 1					
		Analysis Time..: 00:45					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D6F080250 **Matrix.....:** WATER
Date Sampled...: 06/06/06 09:15 **Date Received..:** 06/08/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	100	(60 - 137)			SW846 6010B	06/14-06/15/06	H61MQ1C7
	101	(60 - 137)	0.46	(0-25)	SW846 6010B	06/14-06/15/06	H61MQ1C8

Dilution Factor: 1
Analysis Time..: 00:45

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D6F080250 **Matrix.....:** WATER
Date Sampled...: 06/06/06 09:15 **Date Received..:** 06/08/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D6F080234-001 **Prep Batch #...:** 6164464									
Aluminum									
	31	2000	1790	ug/L	88		SW846 6010B	06/14-06/15/06	H61MQ1CN
	31	2000	1730	ug/L	85	3.4	SW846 6010B	06/14-06/15/06	H61MQ1CP
			Dilution Factor: 1						
			Analysis Time..: 00:45						
Barium									
	48	2000	2120	ug/L	104		SW846 6010B	06/14-06/15/06	H61MQ1CQ
	48	2000	2130	ug/L	104	0.41	SW846 6010B	06/14-06/15/06	H61MQ1CR
			Dilution Factor: 1						
			Analysis Time..: 00:45						
Beryllium									
	ND	50.0	46.8	ug/L	93		SW846 6010B	06/14-06/15/06	H61MQ1CT
	ND	50.0	47.0	ug/L	94	0.42	SW846 6010B	06/14-06/15/06	H61MQ1CU
			Dilution Factor: 1						
			Analysis Time..: 00:45						
Boron									
	140	1000	1130	ug/L	99		SW846 6010B	06/14-06/15/06	H61MQ1DQ
	140	1000	1120	ug/L	98	0.84	SW846 6010B	06/14-06/15/06	H61MQ1DR
			Dilution Factor: 1						
			Analysis Time..: 00:45						
Calcium									
	33000	50000	80600	ug/L	95		SW846 6010B	06/14-06/15/06	H61MQ1C9
	33000	50000	80300	ug/L	95	0.31	SW846 6010B	06/14-06/15/06	H61MQ1DA
			Dilution Factor: 1						
			Analysis Time..: 00:45						
Cobalt									
	ND	500	490	ug/L	98		SW846 6010B	06/14-06/15/06	H61MQ1DC
	ND	500	490	ug/L	98	0.03	SW846 6010B	06/14-06/15/06	H61MQ1DD
			Dilution Factor: 1						
			Analysis Time..: 00:45						
Copper									
	ND	250	273	ug/L	109		SW846 6010B	06/14-06/15/06	H61MQ1CV
	ND	250	276	ug/L	110	0.90	SW846 6010B	06/14-06/15/06	H61MQ1CW
			Dilution Factor: 1						
			Analysis Time..: 00:45						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D6F080250 **Matrix.....:** WATER
Date Sampled...: 06/06/06 09:15 **Date Received..:** 06/08/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron									
	37	1000	1060	ug/L	102		SW846 6010B	06/14-06/15/06	H61MQ1CX
	37	1000	1080	ug/L	104	1.4	SW846 6010B	06/14-06/15/06	H61MQ1C0
			Dilution Factor: 1						
			Analysis Time..: 00:45						
Magnesium									
	31000	50000	82900	ug/L	104		SW846 6010B	06/14-06/15/06	H61MQ1DG
	31000	50000	82800	ug/L	104	0.18	SW846 6010B	06/14-06/15/06	H61MQ1DH
			Dilution Factor: 1						
			Analysis Time..: 00:45						
Manganese									
	ND	500	486	ug/L	97		SW846 6010B	06/14-06/15/06	H61MQ1C1
	ND	500	490	ug/L	98	0.69	SW846 6010B	06/14-06/15/06	H61MQ1C2
			Dilution Factor: 1						
			Analysis Time..: 00:45						
Molybdenum									
	ND	1000	1020	ug/L	101		SW846 6010B	06/14-06/15/06	H61MQ1DJ
	ND	1000	1010	ug/L	101	0.34	SW846 6010B	06/14-06/15/06	H61MQ1DK
			Dilution Factor: 1						
			Analysis Time..: 00:45						
Nickel									
	ND	500	493	ug/L	99		SW846 6010B	06/14-06/15/06	H61MQ1C3
	ND	500	492	ug/L	98	0.16	SW846 6010B	06/14-06/15/06	H61MQ1C4
			Dilution Factor: 1						
			Analysis Time..: 00:45						
Potassium									
	7500	50000	61500	ug/L	108		SW846 6010B	06/14-06/15/06	H61MQ1DE
	7500	50000	61500	ug/L	108	0.03	SW846 6010B	06/14-06/15/06	H61MQ1DF
			Dilution Factor: 1						
			Analysis Time..: 00:45						
Silica									
	35000	21400	55900	ug/L	99		SW846 6010B	06/19/06	H61MQ1DN
	35000	21400	54600	ug/L	92	2.4	SW846 6010B	06/19/06	H61MQ1DP
			Dilution Factor: 1						
			Analysis Time..: 17:51						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D6F080250 **Matrix.....:** WATER
Date Sampled...: 06/06/06 09:15 **Date Received..:** 06/08/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium									
	43000	50000	94500	ug/L	102		SW846 6010B	06/14-06/15/06	H61MQ1DL
	43000	50000	93400	ug/L	100	1.1	SW846 6010B	06/14-06/15/06	H61MQ1DM
			Dilution Factor: 1						
			Analysis Time..: 00:45						
Tin									
	ND	2000	1970	ug/L	98		SW846 6010B	06/14-06/15/06	H61MQ1DT
	ND	2000	1950	ug/L	97	0.83	SW846 6010B	06/14-06/15/06	H61MQ1DU
			Dilution Factor: 1						
			Analysis Time..: 00:45						
Vanadium									
	22	500	513	ug/L	98		SW846 6010B	06/14-06/15/06	H61MQ1C5
	22	500	516	ug/L	99	0.65	SW846 6010B	06/14-06/15/06	H61MQ1C6
			Dilution Factor: 1						
			Analysis Time..: 00:45						
Zinc									
	10	500	511	ug/L	100		SW846 6010B	06/14-06/15/06	H61MQ1C7
	10	500	513	ug/L	101	0.46	SW846 6010B	06/14-06/15/06	H61MQ1C8
			Dilution Factor: 1						
			Analysis Time..: 00:45						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D6F080250 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide		Work Order #: H657L1AA		MB Lot-Sample #:	D6F090000-525	
	ND	0.20	mg/L	MCAWW 300.0A	06/08/06	6160525
		Dilution Factor: 1				
		Analysis Time..: 12:52				
Chloride		Work Order #: H657H1AA		MB Lot-Sample #:	D6F090000-520	
	ND	3.0	mg/L	MCAWW 300.0A	06/08/06	6160520
		Dilution Factor: 1				
		Analysis Time..: 12:52				
Fluoride		Work Order #: H657E1AA		MB Lot-Sample #:	D6F090000-521	
	ND	1.0	mg/L	MCAWW 300.0A	06/08/06	6160521
		Dilution Factor: 1				
		Analysis Time..: 12:52				
Nitrate		Work Order #: H657M1AA		MB Lot-Sample #:	D6F090000-522	
	ND	0.50	mg/L	MCAWW 300.0A	06/08/06	6160522
		Dilution Factor: 1				
		Analysis Time..: 12:52				
Nitrate		Work Order #: H7M5T1AA		MB Lot-Sample #:	D6F160000-274	
	ND	0.10	mg/L	MCAWW 353.2	06/08/06	6167274
		Dilution Factor: 1				
		Analysis Time..: 18:30				
Nitrite		Work Order #: H66F91AA		MB Lot-Sample #:	D6F080000-654	
	ND	0.010	mg/L	MCAWW 354.1	06/08/06	6159654
		Dilution Factor: 1				
		Analysis Time..: 18:30				
Phosphate as P, Ortho		Work Order #: H657W1AA		MB Lot-Sample #:	D6F090000-523	
	ND	0.50	mg/L	MCAWW 300.0A	06/08/06	6160523
		Dilution Factor: 1				
		Analysis Time..: 12:52				
Sulfate		Work Order #: H65721AA		MB Lot-Sample #:	D6F090000-524	
	0.98 B	**5.0**	**mg/L**	**MCAWW 300.0A**	**06/08/06**	**6160524**
		Dilution Factor: 1				
		Analysis Time..: 12:52				
Total Alkalinity		Work Order #: H69R61AA		MB Lot-Sample #:	D6F130000-123	
	1.1 B	**5.0**	**mg/L**	**MCAWW 310.1**	**06/12/06**	**6164123**
		Dilution Factor: 1				
		Analysis Time..: 11:30				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: D6F080250 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity		Work Order #: H69VC1AA		MB Lot-Sample #:	D6F130000-126	
	ND	5.0	mg/L	MCAWW 310.1	06/12/06	6164126
		Dilution Factor: 1				
		Analysis Time..: 11:30				
Total Dissolved Solids		Work Order #: H7Q711AA		MB Lot-Sample #:	D6F140000-142	
	ND	10	mg/L	MCAWW 160.1	06/13/06	6165142
		Dilution Factor: 1				
		Analysis Time..: 11:00				
Total Organic Carbon		Work Order #: H7GEC1AA		MB Lot-Sample #:	D6F150000-242	
	0.24 B	**1.0**	**mg/L**	**SW846 9060**	**06/09-06/10/06**	**6166242**
		Dilution Factor: 1				
		Analysis Time..: 04:45				
Total Sulfide		Work Order #: H7F6V1AA		MB Lot-Sample #:	D6F130000-545	
	ND	4.0	mg/L	SW846 9030B/9034	06/13/06	6164545
		Dilution Factor: 1				
		Analysis Time..: 12:00				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D6F080250 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide		WO#:H657L1AC-LCS/H657L1AD-LCSD LCS Lot-Sample#: D6F090000-525					
	95	(90 - 110)			MCAWW 300.0A	06/08/06	6160525
	94	(90 - 110)	0.63	(0-10)	MCAWW 300.0A	06/08/06	6160525
		Dilution Factor: 1			Analysis Time..: 12:18		
Chloride		WO#:H657H1AC-LCS/H657H1AD-LCSD LCS Lot-Sample#: D6F090000-520					
	92	(90 - 110)			MCAWW 300.0A	06/08/06	6160520
	91	(90 - 110)	0.53	(0-10)	MCAWW 300.0A	06/08/06	6160520
		Dilution Factor: 1			Analysis Time..: 12:18		
Fluoride		WO#:H657E1AC-LCS/H657E1AD-LCSD LCS Lot-Sample#: D6F090000-521					
	94	(90 - 110)			MCAWW 300.0A	06/08/06	6160521
	94	(90 - 110)	0.05	(0-10)	MCAWW 300.0A	06/08/06	6160521
		Dilution Factor: 1			Analysis Time..: 12:18		
Nitrate		WO#:H657M1AC-LCS/H657M1AD-LCSD LCS Lot-Sample#: D6F090000-522					
	90	(90 - 110)			MCAWW 300.0A	06/08/06	6160522
	90	(90 - 110)	0.50	(0-10)	MCAWW 300.0A	06/08/06	6160522
		Dilution Factor: 1			Analysis Time..: 12:18		
Nitrate		WO#:H7M5T1AC-LCS/H7M5T1AD-LCSD LCS Lot-Sample#: D6F160000-274					
	108	(86 - 110)			MCAWW 353.2	06/08/06	6167274
	97 *	(86 - 110)	12	(0-10)	MCAWW 353.2	06/08/06	6167274
		Dilution Factor: 1			Analysis Time..: 18:30		
Nitrite		WO#:H66F91AC-LCS/H66F91AD-LCSD LCS Lot-Sample#: D6F080000-654					
	108	(84 - 113)			MCAWW 354.1	06/08/06	6159654
	96 *	(84 - 113)	12	(0-10)	MCAWW 354.1	06/08/06	6159654
		Dilution Factor: 1			Analysis Time..: 18:30		
Phosphate as P, Ortho		WO#:H657W1AC-LCS/H657W1AD-LCSD LCS Lot-Sample#: D6F090000-523					
	95	(90 - 110)			MCAWW 300.0A	06/08/06	6160523
	95	(90 - 110)	0.21	(0-10)	MCAWW 300.0A	06/08/06	6160523
		Dilution Factor: 1			Analysis Time..: 12:18		
Sulfate		WO#:H65721AC-LCS/H65721AD-LCSD LCS Lot-Sample#: D6F090000-524					
	90	(90 - 110)			MCAWW 300.0A	06/08/06	6160524
	90	(90 - 110)	0.0	(0-10)	MCAWW 300.0A	06/08/06	6160524
		Dilution Factor: 1			Analysis Time..: 12:18		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D6F080250 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity		WO#:H69R61AC-LCS/H69R61AD-LCSD				LCS Lot-Sample#: D6F130000-123	
	99	(90 - 110)			MCAWW 310.1	06/12/06	6164123
	99	(90 - 110)	0.14	(0-10)	MCAWW 310.1	06/12/06	6164123
		Dilution Factor: 1			Analysis Time..: 11:30		
Total Alkalinity		WO#:H69VC1AC-LCS/H69VC1AD-LCSD				LCS Lot-Sample#: D6F130000-126	
	99	(90 - 110)			MCAWW 310.1	06/12/06	6164126
	101	(90 - 110)	1.9	(0-10)	MCAWW 310.1	06/12/06	6164126
		Dilution Factor: 1			Analysis Time..: 11:30		
Total Dissolved Solids		WO#:H7Q711AC-LCS/H7Q711AD-LCSD				LCS Lot-Sample#: D6F140000-142	
	99	(86 - 106)			MCAWW 160.1	06/13/06	6165142
	100	(86 - 106)	1.0	(0-20)	MCAWW 160.1	06/13/06	6165142
		Dilution Factor: 1			Analysis Time..: 00:00		
Total Organic Carbon		WO#:H7GEC1AC-LCS/H7GEC1AD-LCSD				LCS Lot-Sample#: D6F150000-242	
	90	(86 - 114)			SW846 9060	06/09-06/10/06	6166242
	94	(86 - 114)	5.4	(0-12)	SW846 9060	06/09-06/10/06	6166242
		Dilution Factor: 1			Analysis Time..: 04:30		
Total Sulfide		WO#:H7F6V1AC-LCS/H7F6V1AD-LCSD				LCS Lot-Sample#: D6F130000-545	
	60	(59 - 104)			SW846 9030B/9034	06/13/06	6164545
	61	(59 - 104)	1.5	(0-20)	SW846 9030B/9034	06/13/06	6164545
		Dilution Factor: 1			Analysis Time..: 12:00		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

* Relative percent difference (RPD) is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D6F080250 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide			WO#:H657L1AC-LCS/H657L1AD-LCSD			LCS Lot-Sample#: D6F090000-525		
	4.00	3.79	mg/L	95		MCAWW 300.0A	06/08/06	6160525
	4.00	3.76	mg/L	94	0.63	MCAWW 300.0A	06/08/06	6160525
			Dilution Factor: 1			Analysis Time..: 12:18		
Chloride			WO#:H657H1AC-LCS/H657H1AD-LCSD			LCS Lot-Sample#: D6F090000-520		
	20.0	18.4	mg/L	92		MCAWW 300.0A	06/08/06	6160520
	20.0	18.3	mg/L	91	0.53	MCAWW 300.0A	06/08/06	6160520
			Dilution Factor: 1			Analysis Time..: 12:18		
Fluoride			WO#:H657E1AC-LCS/H657E1AD-LCSD			LCS Lot-Sample#: D6F090000-521		
	4.00	3.75	mg/L	94		MCAWW 300.0A	06/08/06	6160521
	4.00	3.75	mg/L	94	0.05	MCAWW 300.0A	06/08/06	6160521
			Dilution Factor: 1			Analysis Time..: 12:18		
Nitrate			WO#:H657M1AC-LCS/H657M1AD-LCSD			LCS Lot-Sample#: D6F090000-522		
	4.00	3.61	mg/L	90		MCAWW 300.0A	06/08/06	6160522
	4.00	3.59	mg/L	90	0.50	MCAWW 300.0A	06/08/06	6160522
			Dilution Factor: 1			Analysis Time..: 12:18		
Nitrate			WO#:H7M5T1AC-LCS/H7M5T1AD-LCSD			LCS Lot-Sample#: D6F160000-274		
	0.0500	0.0542	mg/L	108		MCAWW 353.2	06/08/06	6167274
	0.0500	0.0483 *	mg/L	97	12	MCAWW 353.2	06/08/06	6167274
			Dilution Factor: 1			Analysis Time..: 18:30		
Nitrite			WO#:H66F91AC-LCS/H66F91AD-LCSD			LCS Lot-Sample#: D6F080000-654		
	0.0500	0.0540	mg/L	108		MCAWW 354.1	06/08/06	6159654
	0.0500	0.0480 *	mg/L	96	12	MCAWW 354.1	06/08/06	6159654
			Dilution Factor: 1			Analysis Time..: 18:30		
Phosphate as P, Ortho			WO#:H657W1AC-LCS/H657W1AD-LCSD			LCS Lot-Sample#: D6F090000-523		
	4.00	3.79	mg/L	95		MCAWW 300.0A	06/08/06	6160523
	4.00	3.78	mg/L	95	0.21	MCAWW 300.0A	06/08/06	6160523
			Dilution Factor: 1			Analysis Time..: 12:18		
Sulfate			WO#:H65721AC-LCS/H65721AD-LCSD			LCS Lot-Sample#: D6F090000-524		
	20.0	18.1	mg/L	90		MCAWW 300.0A	06/08/06	6160524
	20.0	18.1	mg/L	90	0.0	MCAWW 300.0A	06/08/06	6160524
			Dilution Factor: 1			Analysis Time..: 12:18		

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D6F080250 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity		WO#:H69R61AC-LCS/H69R61AD-LCSD				LCS Lot-Sample#: D6F130000-123		
	200	198	mg/L	99		MCAWW 310.1	06/12/06	6164123
	200	198	mg/L	99	0.14	MCAWW 310.1	06/12/06	6164123
		Dilution Factor: 1				Analysis Time..: 11:30		
Total Alkalinity		WO#:H69VC1AC-LCS/H69VC1AD-LCSD				LCS Lot-Sample#: D6F130000-126		
	200	198	mg/L	99		MCAWW 310.1	06/12/06	6164126
	200	202	mg/L	101	1.9	MCAWW 310.1	06/12/06	6164126
		Dilution Factor: 1				Analysis Time..: 11:30		
Total Dissolved Solids		WO#:H7Q711AC-LCS/H7Q711AD-LCSD				LCS Lot-Sample#: D6F140000-142		
	500	495	mg/L	99		MCAWW 160.1	06/13/06	6165142
	500	500	mg/L	100	1.0	MCAWW 160.1	06/13/06	6165142
		Dilution Factor: 1				Analysis Time..: 00:00		
Total Organic Carbon		WO#:H7GEC1AC-LCS/H7GEC1AD-LCSD				LCS Lot-Sample#: D6F150000-242		
	25.0	22.4	mg/L	90		SW846 9060	06/09-06/10/06	6166242
	25.0	23.6	mg/L	94	5.4	SW846 9060	06/09-06/10/06	6166242
		Dilution Factor: 1				Analysis Time..: 04:30		
Total Sulfide		WO#:H7F6V1AC-LCS/H7F6V1AD-LCSD				LCS Lot-Sample#: D6F130000-545		
	17.4	10.4	mg/L	60		SW846 9030B/9034	06/13/06	6164545
	17.4	10.6	mg/L	61	1.5	SW846 9030B/9034	06/13/06	6164545
		Dilution Factor: 1				Analysis Time..: 12:00		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

* Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D6F080250 **Matrix.....:** WATER
Date Sampled...: 05/23/06 10:53 **Date Received..:** 05/25/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide			WO#: H61VN1FW-MS/H61VN1FX-MSD			MS Lot-Sample #: D6F080262-004	
	99	(80 - 120)			MCAWW 300.0A	06/08/06	6160525
	100	(80 - 120)	0.63	(0-20)	MCAWW 300.0A	06/08/06	6160525
		Dilution Factor: 1					
		Analysis Time..: 18:58					
Chloride			WO#: H61VN1FH-MS/H61VN1FJ-MSD			MS Lot-Sample #: D6F080262-004	
	104	(80 - 120)			MCAWW 300.0A	06/08/06	6160520
	105	(80 - 120)	0.53	(0-20)	MCAWW 300.0A	06/08/06	6160520
		Dilution Factor: 1					
		Analysis Time..: 18:58					
Fluoride			WO#: H61VN1FK-MS/H61VN1FL-MSD			MS Lot-Sample #: D6F080262-004	
	104	(80 - 120)			MCAWW 300.0A	06/08/06	6160521
	105	(80 - 120)	1.0	(0-20)	MCAWW 300.0A	06/08/06	6160521
		Dilution Factor: 1					
		Analysis Time..: 18:58					
Nitrate			WO#: H61VN1FM-MS/H61VN1FN-MSD			MS Lot-Sample #: D6F080262-004	
	100	(80 - 120)			MCAWW 300.0A	06/08/06	6160522
	100	(80 - 120)	0.34	(0-20)	MCAWW 300.0A	06/08/06	6160522
		Dilution Factor: 1					
		Analysis Time..: 18:58					
Phosphate as P, Ortho			WO#: H61VN1FP-MS/H61VN1FQ-MSD			MS Lot-Sample #: D6F080262-004	
	81	(80 - 120)			MCAWW 300.0A	06/08/06	6160523
	80	(80 - 120)	1.3	(0-20)	MCAWW 300.0A	06/08/06	6160523
		Dilution Factor: 1					
		Analysis Time..: 18:58					
Sulfate			WO#: H61VN1FR-MS/H61VN1FT-MSD			MS Lot-Sample #: D6F080262-004	
	120 I	(80 - 120)			MCAWW 300.0A	06/08/06	6160524
	120 I	(80 - 120)	0.24	(0-20)	MCAWW 300.0A	06/08/06	6160524
		Dilution Factor: 1					
		Analysis Time..: 18:58					
Total Organic Carbon			WO#: H568L1AG-MS/H568L1AH-MSD			MS Lot-Sample #: D6E250262-003	
	93	(65 - 139)			SW846 9060	06/09-06/10/06	6166244
	91	(65 - 139)	1.4	(0-41)	SW846 9060	06/09-06/10/06	6166244
		Dilution Factor: 1					
		Analysis Time..: 08:30					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

I Estimated result. Result concentration exceeds the calibration range.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D6F080250 **Matrix.....:** WATER
Date Sampled...: 05/23/06 10:53 **Date Received..:** 05/25/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide			WO#: H61VN1FW-MS/H61VN1FX-MSD				MS Lot-Sample #: D6F080262-004		
	0.20	5.00	5.17	mg/L	99		MCAWW 300.0A	06/08/06	6160525
	0.20	5.00	5.21	mg/L	100	0.63	MCAWW 300.0A	06/08/06	6160525
			Dilution Factor: 1						
			Analysis Time..: 18:58						
Chloride			WO#: H61VN1FH-MS/H61VN1FJ-MSD				MS Lot-Sample #: D6F080262-004		
	8.8	25.0	34.8	mg/L	104		MCAWW 300.0A	06/08/06	6160520
	8.8	25.0	35.0	mg/L	105	0.53	MCAWW 300.0A	06/08/06	6160520
			Dilution Factor: 1						
			Analysis Time..: 18:58						
Fluoride			WO#: H61VN1FK-MS/H61VN1FL-MSD				MS Lot-Sample #: D6F080262-004		
	2.0	5.00	7.17	mg/L	104		MCAWW 300.0A	06/08/06	6160521
	2.0	5.00	7.25	mg/L	105	1.0	MCAWW 300.0A	06/08/06	6160521
			Dilution Factor: 1						
			Analysis Time..: 18:58						
Nitrate			WO#: H61VN1FM-MS/H61VN1FN-MSD				MS Lot-Sample #: D6F080262-004		
	1.3	5.00	6.32	mg/L	100		MCAWW 300.0A	06/08/06	6160522
	1.3	5.00	6.34	mg/L	100	0.34	MCAWW 300.0A	06/08/06	6160522
			Dilution Factor: 1						
			Analysis Time..: 18:58						
Phosphate as P, Ortho			WO#: H61VN1FP-MS/H61VN1FQ-MSD				MS Lot-Sample #: D6F080262-004		
	ND	5.00	4.06	mg/L	81		MCAWW 300.0A	06/08/06	6160523
	ND	5.00	4.01	mg/L	80	1.3	MCAWW 300.0A	06/08/06	6160523
			Dilution Factor: 1						
			Analysis Time..: 18:58						
Sulfate			WO#: H61VN1FR-MS/H61VN1FT-MSD				MS Lot-Sample #: D6F080262-004		
	29	25.0	58.7 I	mg/L	120		MCAWW 300.0A	06/08/06	6160524
	29	25.0	58.9 I	mg/L	120	0.24	MCAWW 300.0A	06/08/06	6160524
			Dilution Factor: 1						
			Analysis Time..: 18:58						
Total Organic Carbon			WO#: H568L1AG-MS/H568L1AH-MSD				MS Lot-Sample #: D6E250262-003		
	0.88	25.0	24.1	mg/L	93		SW846 9060	06/09-06/10/06	6166244
	0.88	25.0	23.8	mg/L	91	1.4	SW846 9060	06/09-06/10/06	6166244
			Dilution Factor: 1						
			Analysis Time..: 08:30						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

I Estimated result. Result concentration exceeds the calibration range.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D6F080250 **Work Order #...:** H6NXL-SMP H6NXL-DUP **Matrix.....:** WATER

Date Sampled...: 06/01/06 11:25 **Date Received..:** 06/03/06

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #:	D6F030198-001	
	300 J	300	mg/L	0.65	(0-10)	MCAWW 310.1	06/12/06	6164123

Dilution Factor: 1 Analysis Time..: 11:30

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D6F080250 **Work Order #...:** H61QK-SMP **Matrix.....:** WATER
H61QK-DUP
Date Sampled...: 06/07/06 10:40 **Date Received..:** 06/08/06

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #:	D6F080250-003	
	190	180	mg/L	0.48	(0-10)	MCAWW 310.1	06/12/06	6164126

Dilution Factor: 1 Analysis Time..: 11:30

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D6F080250 **Work Order #...:** H62MK-SMP H62MK-DUP **Matrix.....:** WATER

Date Sampled...: 06/07/06 09:10 **Date Received..:** 06/08/06

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #: D6F080380-001		
	1600	1600	mg/L	1.2	(0-20)	MCAWW 160.1	06/13/06	6165142

Dilution Factor: 1 Analysis Time..: 11:00

5.7
6/8/06
DB 7/21

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: Cannon Air Force Base, Ground Water Sampling 86369JV01	PACKING AND SHIPPING DETAILS
	Packed and Sealed for Shipping by: F. GEBHARDT
	Seal Number: 556134
Sampling Location: Sewage Lagoons, (wells E, F, G, H) Cannon Air Force Base, New Mexico	Delivered to Shipper by: F. GEBHARDT
	Airbill Number: 856592106697
Team Leader: Project chief - Fredrick E. Gebhardt	Sampling Status: ☐ Done ☒ Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
June, 7 2006	0950	CAFB-F	GROUND-WATER	11	All Apx-IX: SW8260A, SW8081A, SW8082, SW6010 -Total (Al, Ba, Be, Ca, Co, Cu, Fe, Mg, Mn, Mo, Ni, K, Na, Sn, V, Zn), SW6020-ICP-MS (Sb, Ag, Cd, As, Cr, Pb, Se, Tl), SW7470 (Hg), Nitrate-E353.2, Nitrite-E354.1, Anions-E300, TDS-E160.1, Alk-310.1, Sulfide-SW9034, Perc.-SW6860, TOC-SW9060	ENVIRONMENTAL SAMPLE
"	1055	CAFB-H	"	11	"	"

Additional Comments: PLEASE BATCH SAMPLES BY SAMPLE LOCATION (SEWAGE LAGOONS)

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt ☐ Yes ☐ No
Fredrick E. Gebhardt	TO FEDERAL EXPRESS	6/7/06	1600	Severn Trent Services 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0184 Attention: Karen Kuoppala	Condition of Contents
	[illegible]	6/8/06	0915		Contents Temperature
					Laboratory Project Number

STL D

2.2
6/8/06
BS
JRI

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: Cannon Air Force Base, Ground Water Sampling 86369JV01	PACKING AND SHIPPING DETAILS
	Packed and Sealed for Shipping by: F. GEBHARDT — Seal Number: 556154
Sampling Location: Sewage Lagoons, (wells E, F, G, H) Cannon Air Force Base, New Mexico	Delivered to Shipper by: F. GEBHARDT — Airbill Number: 856592100697
Team Leader: Project chief - Fredrick E. Gebhardt	Sampling Status: ☐ Done ☒ Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
June, 7 2006	1040	CAFB- G	GROUND-WATER	11	All Apx-IX: SW8260A, SW8081A, SW8082, SW6010 -Total (Al, Ba, Be, Ca, Co, Cu, Fe, Mg, Mn, Mo, Ni, K, Na, Sn, V, Zn), SW6020-ICP-MS (Sb, Ag, Cd, As, Cr, Pb, Se, Tl), SW7470 (Hg), Nitrate-E353.2, Nitrite-E354.1, Anions-E300, TDS-E160.1, Alk-310.1, Sulfide-SW9034, Perc.-SW6860, TOC-SW9060	ENVIRONMENTAL SAMPLE
"	1245	CAFB - E	"	"	"	"

Additional Comments: PLEASE BATCH BY SAMPLE LOCATION (SEWAGE LAGOON).

II-120

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt ☐ Yes ☐ No
Fredrick E. Gebhardt	TO FEDERAL EXPRESS	6/7/06	1600	Severn Trent Services 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0184 Attention: Karen Kuoppala	Condition of Contents
	[illegible]	6/8/06	0915		Contents Temperature
					Laboratory Project Number

August 2006

STL D

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: Cannon Air Force Base, Ground Water Sampling 86369JV01	PACKING AND SHIPPING DETAILS
Sampling Location: NA Interval Sampling, (wells Oa & Pa) Cannon Air Force Base, New Mexico	Packed and Sealed for Shipping by: Sarah Falk & R.K. DeWees Seal Number: 556074
Team Leader: Project chief - Fredrick E. Gebhardt	Delivered to Shipper by: Sarah Falk & R.K. DeWees Airbill Number: 856592100697
	Sampling Status: ☐ Done ☒ Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
June 7 2006	1445	CAFB- PA 347	Ground-Water	3	TDS E160.1, Chloride E300, Nitrate E353.2, TKN E351.2	ENVIRONMENTAL SAMPLE
6/6/06	0915	CAFB-NA	"	3	"	"
6/7/06	1500	CAFB-H-TB	ULTRA PURE WATER	2	SW8260B VOC	TRIP BLANK
		THIS COOLER ALSO CONTAINS VOC SAMPLES FROM LANDFILL 5 AND SEWAGE LAGOONS				

Additional Comments: BATCH SAMPLES BY SAMPLE LOCATION (INTERVAL SAMPLING)

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt ☐ Yes ☐ No
Fredrick E. Gebhardt	TO FEDERAL EXPRESS	6/7/06	1600	Severn Trent Services 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0184 Attention: Karen Kuoppala	Condition of Contents
	[signature]	6/8/06	0915		Contents Temperature
					Laboratory Project Number

STL D August 2006

STL Denver

Sample Receiving Checklist

Lot #: D6F080250 Date/Time Received: 6/8/06 0915

Company Name & Sampling Site: USGS-CAFB

PM to Complete This Section: *Yes* *No*
Residual chlorine check required: ☐ ☑

Quarantined : *Yes* ☐ *No* ☑

Quote #: 25088

Special Instructions:

Time Zone:
• EDT/EST • CDT/CST • MDT/MST • PDT/PST • OTHER

Unpacking Checks:

Cooler #(s):	1	2	3					
Temperatures (°C):	5.7	2.2	4.1					

N/A	Yes	No		Initials
☐	☑	☐	1. Cooler seals intact? (N/A if hand delivered) If no, document on CUR.	JB
	☑	☐	2. Chain of custody present? If no, document on CUR.	
	☐	☑	3. Bottles broken and/or are leaking? If yes, document on CUR.	
	☐	☑	4. Multiphasic samples obvious? If yes, document on CUR.	
	☑	☐	5. Proper container & preservatives used? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR.	
☐	☑	☐	6. pH of all samples checked and meet requirements? If no, document on CUR.	
	☑	☐	7. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR, and contact PM before proceeding.	
	☐	☑	8. Did chain of custody agree with labels ID and samples received? If no, document on CUR.	
☐	☑	☐	9. Were VOA samples without headspace? If no, document on CUR.	
☐	☑	☐	10. Were VOA vials preserved? Preservative ☑HCl ☐4±2°C ☐Sodium Thiosulfate ☐ Ascorbic Acid	
	☐	☑	11. Did samples require preservation with sodium thiosulfate?	
☑	☐	☐	12. If yes to #11, did the samples contain residual chlorine? If yes, document on CUR.	
☑	☐	☐	13. Sediment present in dissolved/filtered bottles? If yes, document on CUR.	
☑	☐	☐	14. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.	
	☐	☑	15. Receipt date(s) > 48 hours past the collection date(s)? If yes, notify PA/PM.	
	☑	☐	16. Are analyses with short holding times requested?	
	☐	☑	17. Was a quick Turn Around (TAT) requested?	

STL Denver

Sample Receiving Checklist

Lot # D6F080250

Login Checks:

N/A	Yes	No		Initials
	☑	☐	18. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR, and contact PM before proceeding.	
☑	☐	☐	19. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.	
	☑	☐	20. Did the chain of custody includes "received by" and "relinquished" by signatures, dates, and times?	
☐	☑	☐	21. Were special log in instructions read and followed?	
☑	☐	☐	22. Were AFCEE metals logged for refrigerated storage?	
	☑	☐	23. Were tests logged checked against the COC? Which samples were confirmed? 1	
☑	☐	☐	24. Was a Rush form completed for quick TAT?	
☐	☑	☐	25. Was a Short Hold form completed for any short holds?	
	☐	☑	26. Is "Strict ICOC" required?	
	☐	☑	27. Were special archiving instructions indicated in the General Comments? If so, what were they?	

_____

Labeling and Storage Checks:

				Initials
☑	☐	☐	28. Was the subcontract COC signed and sent with samples to bottle prep?	
	☑	☐	29. Were sample labels double-checked by a second person?	
☑	☐	☐	30. Were sample bottles and COC double checked for dissolved/filtered metals by a second person?	
	☑	☐	31. Did the sample ID, Date, and Time from label match what was logged?	
☑	☐	☐	32. Were stickers for special archiving instructions affixed to each box and to the ICOC? See #27	
☑	☐	☐	33. Were AFCEE metals stored refrigerated?	
☑	☐	☐	34. Were "Strict ICOC" copies given to satellite storage areas?	

Document any problems or discrepancies and the actions taken to resolve them on a Condition Upon Receipt Anomaly Report (CUR).

Appendix III

USGS Laboratory Quality Assurance/Quality Control Results for Landfill 5

LABORATORY DATA VALIDATION CHECKLIST

SECTION 1.0: GENERAL INFORMATION (also see Appendix A)

Data reviewer(s) name, affiliation, title, signature, and date of review:
Fredrick E. Gebhardt, USGS-WRD, Hydrologic Technician 08/08/06
Sarah E. Falk, USGS-WRD, Hydrologist 08/08/06

Data Inventory

1.1 Sample project number: Severn Trent No's. D6F070234, and D6F080262

1.2 Operable unit and site: Cannon Air Force Base, Landfill 5 site
Sample collection date: June 5, 6, and 7, 2006

1.3 Sample locations (location IDs): CAFB-A, CAFB-B, CAFB-C, CAFB-D, CAFB-S, CAFB-T, and CAFB-U; CAFB-DD is a duplicate sample, and TRIP BLANK is the trip blanks for volatile analysis.

1.4 Sample matrix (ground water, soil, other): ground water

1.5 Type and number of field samples (environmental and quality control) in sample project:

Type	number	Type	number
environmental	7	MS/MSD	1 pair
field duplicate	1	trip blank	1
equipment blank	0	ambient blank	0

Data validation level: note--see appendix A for description of different levels

LEVEL 1

SECTION 2.0: DATA REPORTS AND COMPLETENESS

Data reviewer(s) name, affiliation, title, signature, and date of review:
Fredrick E. Gebhardt, USGS-WRD, Hydrologic Technician 08/08/06
Sarah E. Falk, USGS-WRD, Hydrologist 08/08/06

Laboratory Data Reports

2.1 Analytical Results Report--report date: July 7, 2006, revised August 9, 2006

2.2 Raw Data Report--number of volumes: Raw data not reviewed

2.3 Was completeness of lab reports acceptable? Yes √ No ____
(overview, analytical results, quality-control report)

Data Completeness

2.4 Were all samples requested on chain of custody form analyzed by lab? Yes √
No ____

	Volatile Organic Compounds	Semivolatile Organic Compounds	Organochorine Pesticides	PCB's	Chlorinated Herbicides
requested:	9	8	8	8	8
analyzed:	9	8	8	8	8

	Dioxins and Furans	Polynuclear Aromatic Hydrocarbons (PAH's)	Total Metals	Mercury	Cyanide
requested:	8	8	8	8	8
analyzed:	8	8	8	8	8

	Total Organic Carbon (TOC)	Total Organic Halogens (TOX)	Sulfate	Nitrate	Total Dissolved Solids
requested:	8	8	8	8	8
analyzed:	8	8	8	8	8

	Perchlorate	Phosphate	Anions	Alkalinity
requested:	8	8	8	8
analyzed:	8	8	8	8

2.5 List cancelled analyses on cancelled-data worksheet: none

2.6 Were sample cooler seals intact upon receipt by lab? Yes

2.7 What were the sample cooler temperatures upon receipt by lab? 2.1 – 3.9 °C at Severn Trent

2.8 Additional comments:

SECTION 3.0: DATA VALIDATION REVIEW

In the following table (Table III-1), the resulting data from the June 5, 6, and 7, 2006,sampling round is reviewed for the following data validation parameters: holding times, surrogate spike recovery, field duplicates, equipment blanks, lab control samples, lab method blanks, matrix spike and duplicates, and results over the reporting limits with qualifiers. Data validation parameters are reviewed for compliance with individual requirements for each parameter specific to the individual analyses of volatile organic compounds (SW8260B), semivolatile organic compounds (SW8270C), organochlorine pesticides (SW8081A), PCB's (SW8082), chlorinated herbicides (SW8151A), dioxins and furans (SW8280A), polynuclear aromatic hydrocarbons (PAH's) (SW8310), total metals (SW6010B and SW6020), mercury (SW7470A), cyanide (MCAWW335.3A), TOC (SW9060), TOX (SW9020B), sulfate (MCAWW300.0A), nitrate (MCAWW353.2 and MCAWW300.0A), total dissolved solids (MCAWW160.1), perchlorate (DEN-LC-0024), orthophosphate (MCAWW300.0A), anions (including chloride, fluoride, bromide, and nitrate) (MCAWW300.0A), and alkalinity (MCAWW301.1A).

Table III-1. Data validation worksheet table for June 5, 6, and 7, 2006 sampling round at Cannon Air Force Base – validation parameters, analytes, and methods (USEPA, 1994a; USEPA, 1994b; USGS, 1992).

Data Validation Parameters	**Volatile Organic Compounds by Method SW8260B**	**Semivolatile Organic Compounds by Method SW8270C**	**Organochlorine Pesticides by Method SW8081A, and PCBs by Method SW8082**
Holding times	14 days sample to analysis	7 days sample to extraction; 40 days extraction to analysis	7 days sample to extraction; 40 days extraction to analysis
Met	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes
Surrogate Spike Recovery	% R within 3 standard deviation (SD) of historical laboratory performance	% R within 3 SD of historical laboratory performance	% R within 3 SD of historical laboratory performance
Met	☐ Yes ☑ No, see notes	☑ Yes ☐ No, see notes	☐ Yes ☑ No, see notes
Field Duplicates	RPD ≤ 30%	RPD ≤ 30%	RPD ≤ 30%
Met	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes
Equipment Blanks	Not Applicable	Not Applicable	Not Applicable
Met			
Lab Control Samples	%R and RPD within 3 SD of historical laboratory performance	%R and RPD within 3 SD of historical laboratory performance	%R and RPD within 3 SD of historical laboratory performance
Met	☑ Yes ☐ No, see notes	☐ Yes ☑ No, see notes	☑ Yes ☐ No, see notes
Lab Method Blanks	≤ RL	≤ RL	≤ RL
Met	☑ Yes ☐ No, see notes	☐ Yes ☑ No, see notes	☑ Yes ☐ No, see notes
Matrix Spike and Duplicates	% R within 3 SD of historical laboratory performance	% R within 3 SD of historical laboratory performance	% R within 3 SD of historical laboratory performance
Met	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes
Results over RL with Qualifiers	List: None	List: None	List: None

Table III-1. Data validation worksheet table for June 5, 6, and 7, 2006 sampling round at Cannon Air Force Base – validation parameters, analytes, and methods (USEPA, 1994a; USEPA, 1994b; USGS, 1992) -- continued.

Data Validation Parameters	**Chlorinated Herbicides by Method SW8151A**	**Dioxins and Furans by Method SW8280A**	**Polynuclear Aromatic Hydrocarbons by Method SW8310**
Holding times **Met**	7 days sample to extraction; 40 days extraction to analysis ☑ Yes ☐ No, see notes	30 days sample to extraction; 45 days extraction to analysis ☑ Yes ☐ No, see notes	7 days sample to extraction; 40 days extraction to analysis ☑ Yes ☐ No, see notes
Surrogate Spike Recovery **Met**	% R within 3 SD of historical laboratory performance ☑ Yes ☐ No, see notes	% R within 3 SD of historical laboratory performance ☑ Yes ☐ No, see notes	% R within 3 SD of historical laboratory performance ☑ Yes ☐ No, see notes
Field Duplicates **Met**	RPD ≤ 30% ☑ Yes ☐ No, see notes	RPD ≤ 30% ☑ Yes ☐ No, see notes	RPD ≤ 30% ☑ Yes ☐ No, see notes
Equipment Blanks **Met**	Not Applicable	Not Applicable	Not Applicable
Lab Control Samples **Met**	%R and RPD within 3 SD of historical laboratory performance ☑ Yes ☐ No, see notes	%R and RPD within 3 SD of historical laboratory performance ☑ Yes ☐ No, see notes	%R and RPD within 3 SD of historical laboratory performance ☑ Yes ☐ No, see notes
Lab Method Blanks **Met**	≤ RL ☑ Yes ☐ No, see notes	≤ RL ☑ Yes ☐ No, see notes	≤ RL ☑ Yes ☐ No, see notes
Matrix Spike and Duplicates **Met**	% R within 3 SD of historical laboratory performance ☑ Yes ☐ No, see notes	% R within 3 SD of historical laboratory performance ☐ Yes ☑ No, see notes	% R within 3 SD of historical laboratory performance ☐ Yes ☑ No, see notes
Results over RL with Qualifiers	List: None.	List: None	List: None

Table III-1. Data validation worksheet table for June 5, 6, and 7, 2006 sampling round at Cannon Air Force Base – validation parameters, analytes, and methods (USEPA, 1994a; USEPA, 1994b; USGS, 1992) -- continued.

Data Validation Parameters	**Total Metals by Method SW6010B/SW 6020 and Mercury by Method SW7470A**	**Cyanide by Method MCAWW335.3**	**Total Organic Carbon (TOC) by Method SW9060**
Holding times **Met**	Mercury 28-days sample to analysis; all others 180-days sample to analysis ☑ Yes ☐ No, see notes	Cyanide 14 days sample to analysis ☑ Yes ☐ No, see notes	28-days sample to analysis ☑ Yes ☐ No, see notes
Surrogate Spike Recovery **Met**	Not Applicable	Not Applicable	Not Applicable
Field Duplicates **Met**	RPD ≤ 30% ☐ Yes ☑ No, see notes	RPD ≤ 30% ☑ Yes ☐ No, see notes	RPD ≤ 30% ☑ Yes ☐ No, see notes
Equipment Blanks **Met**	Not Applicable	Not Applicable	Not Applicable
Lab Control Samples **Met**	%R and RPD within 3 SD of historical laboratory performance ☑ Yes ☐ No, see notes	%R and RPD within 3 SD of historical laboratory performance ☑ Yes ☐ No, see notes	%R and RPD within 3 SD of historical laboratory performance ☑ Yes ☐ No, see notes
Lab Method Blanks **Met**	≤ RL ☑ Yes ☐ No, see notes	≤ RL ☑ Yes ☐ No, see notes	≤ RL ☑ Yes ☐ No, see notes
Matrix Spike and Duplicates **Met**	% R within 3 SD of historical laboratory performance ☑ Yes ☐ No, see notes	% R within 3 SD of historical laboratory performance ☑ Yes ☐ No, see notes	% R within 3 SD of historical laboratory performance ☑ Yes ☐ No, see notes
Results over RL with Qualifiers	List: Method blank contamination in CAFB-T, C, S, D, and DD for calcium; CAFB- T, C, and S for zinc; CAFB-A, B, and U for boron; CAFB-T, and S for chromium; CAFB-T, S, and D for aluminum; CABF-T , C, S, D, and DD for sodium.	List: None	List: None

Table III-1. Data validation worksheet table for June 5, 6, and 7, 2006 sampling round at Cannon Air Force Base – validation parameters, analytes, and methods (USEPA, 1994a; USEPA, 1994b; USGS, 1992) -- continued.

Data Validation Parameters	**Total Organic Halogens (TOXs) by Method SW9020B**	**Sulfate by Method MCAWW300.0A**	**Nitrate MCAWW353.2**
Holding times **Met**	28-days sample to analysis ☑ Yes ☐ No, see notes	28-days sample to analysis ☑ Yes ☐ No, see notes	Nitrate 28 days sample to analysis ☑ Yes ☐ No, see notes
Surrogate Spike Recovery **Met**	Not Applicable	Not Applicable	Not Applicable
Field Duplicates **Met**	RPD ≤ 30% ☑ Yes ☐ No, see notes	RPD ≤ 30% ☑ Yes ☐ No, see notes	RPD ≤ 30% ☑ Yes ☐ No, see notes
Equipment Blanks **Met**	Not Applicable	Not Applicable	Not Applicable
Lab Control Samples **Met**	% R within 3 SD of historical laboratory performance ☑ Yes ☐ No, see notes	%R and RPD within 3 SD of historical laboratory performance ☑ Yes ☐ No, see notes	% R within 3 SD of historical laboratory performance ☐ Yes ☑ No, see notes
Lab Method Blanks **Met**	≤ RL ☑ Yes ☐ No, see notes	≤ RL ☑ Yes ☐ No, see notes	≤ RL ☑ Yes ☐ No, see notes
Matrix Spike and Duplicates **Met**	% R within 3 SD of historical laboratory performance ☑ Yes ☐ No, see notes	% R within 3 SD of historical laboratory performance ☐ Yes ☑ No, see notes	% R within 3 SD of historical laboratory performance ☑ Yes ☐ No, see notes
Results over RL with Qualifiers	List: None	List: Reporting limit elevated because of high analyte levels in CAFB-A, B, U, T, and S. Method blank contamination in CAFB- A, B, U, T, C, S, D, and DD.	List: None

Table III-1. Data validation worksheet table for June 5, 6, and 7, 2006 sampling round at Cannon Air Force Base – validation parameters, analytes, and methods (USEPA, 1994a; USEPA, 1994b; USGS, 1992) -- continued.

Data Validation Parameters	**Total Dissolved Solids by Method MCAWW160.1**	**Perchlorate by Method DEN-LC-0024**	**Orthophosphate by Method MCAWW300.0A**
Holding times **Met**	7-days sample to analysis ☑ Yes ☐ No, see notes	28 days sample to analysis ☑ Yes ☐ No, see notes	48 hours sample to analysis ☑ Yes ☐ No, see notes
Surrogate Spike Recovery **Met**	Not Applicable	Not Applicable	Not Applicable
Field Duplicates **Met**	RPD ≤ 30% ☑ Yes ☐ No, see notes	RPD ≤ 30% ☑ Yes ☐ No, see notes	RPD ≤ 30% ☑ Yes ☐ No, see notes
Equipment Blanks **Met**	Not Applicable	Not Applicable	Not Applicable
Lab Control Samples **Met**	% R within 3 SD of historical laboratory performance ☑ Yes ☐ No, see notes	% R within 3 SD of historical laboratory performance ☑ Yes ☐ No, see notes	% R within 3 SD of historical laboratory performance ☑ Yes ☐ No, see notes
Lab Method Blanks **Met**	≤ RL ☑ Yes ☐ No, see notes	≤ RL ☑ Yes ☐ No, see notes	≤ RL ☑ Yes ☐ No, see notes
Matrix Spike and Duplicates **Met**	% R within 3 SD of historical laboratory performance ☑ Yes ☐ No, see notes	% R within 3 SD of historical laboratory performance ☑ Yes ☐ No, see notes	% R within 3 SD of historical laboratory performance ☑ Yes ☐ No, see notes
Results over RL with Qualifiers	List: None	List: None	List: None

Table III-1. Data validation worksheet table for June 5, 6, and 7, 2006 sampling round at Cannon Air Force Base – validation parameters, analytes, and methods (USEPA, 1994a; USEPA, 1994b; USGS, 1992) -- concluded.

Data Validation Parameters	**Anions (including Chloride, Fluoride, and Bromide, and Nitrate) by Method MCAWW300.0A**	**Total Alkalinity by Method MCAWW 310.1**
Holding times **Met**	28 days sample to analysis ☑ Yes ☐ No, see notes	14 days sample to analysis ☑ Yes ☐ No, see notes
Surrogate Spike Recovery **Met**	Not Applicable	Not Applicable
Field Duplicates **Met**	RPD ≤ 30% ☑ Yes ☐ No, see notes	RPD ≤ 30% ☑ Yes ☐ No, see notes
Equipment Blanks **Met**	Not Applicable	Not Applicable
Lab Control Samples **Met**	% R within 3 SD of historical laboratory performance ☑ Yes ☐ No, see notes	% R within 3 SD of historical laboratory performance ☑ Yes ☐ No, see notes
Lab Method Blanks **Met**	≤ RL ☑ Yes ☐ No, see notes	≤ RL ☑ Yes ☐ No, see notes
Matrix Spike and Duplicates **Met**	% R within 3 SD of historical laboratory performance ☑ Yes ☐ No, see notes	% R within 3 SD of historical laboratory performance ☑ Yes ☐ No, see notes
Results over RL with Qualifiers	List: Reporting limit elevated because of large concentrations of Chloride in CAFB-B, U, T, and S	List: None

Table III-2. Data validation worksheet table for June 5, 6, and 7, 2006 sampling round at Cannon Air Force Base – notes

Analyte and Method:	Notes of Data Validation Parameters:
Volatile Organic Compounds by Method SW8260B	-Surrogate recovery of dibromofluoromethane for the TRIP BLANK sample was outside of recovery limits.
Semivolatile Organic Compounds by Method SW8270C	-Surrogate spike of phenol-d5 for the method blank for prep batch #6164539 was outside of recovery limits. -Laboratory control sample for 2-chlorophenol and phenol for prep batch #6160474 were outside of recovery limits and outside of percent recoveries. -Laboratory control sample Surrogate spike of 2-fluorophenol and phenol-d5 for prep batch #6160474 were outside of percent recoveries outside stated control limits.
Organochlorine Pesticides and PCB's by Method SW8081A/SW8082	-Surrogate spike of Tetrachloro-m-xylene for CAFB-A was outside of recovery limits.
Chlorinated Herbicides by Method SW8151A	None
Dioxins and Furans by Method SW8280A	-Matrix spike and matrix spike duplicate for 1,2,3,7,8 – PECDD, and 1,2,3,7,8 – PECDF were outside stated control limits
Polynuclear Aromatic Hydrocarbons (PAHs) by Method SW8310	-Matrix spike and matrix spike duplicate for fluorene was outside stated control limits
Total Metals by Method SW6010B/SW6020; Mercury by Method SW7470A	-Field duplicate did not meet stated control limits for relative percent difference for copper, aluminum, and zinc.
Cyanide by Method MCAWW335.3	None
Total Organic Carbon (TOC) by Method SW9060	None
Total Organic Halogens (TOXs) by Method SW9020B	None
Sulfate by Method 300.0	-Matrix spike and matrix spike duplicate recovery were estimated result because the concentration exceeds the calibration range
Nitrate by Method MCAWW353.2	Laboratory control sample did not meet stated control limits for relative percent difference.
Total Dissolved Solids by Method MCAWW160.1	None
Perchlorate by Method SW6860	None
Orthophosphate by Method 300A	None
Chloride, Fluoride, Bromide, and Nitrate by Method 300A	None
Total Alkalinity by Method MCAWW 310.1	None

Appendix A – Laboratory Data Validation Checklist

Instruction Notes for the Data Validation Checklist

This data validation checklist will be used when validating the chemical analytical results. Data validation is a systematic and independent verification of data quality and consists of checking, verifying, evaluating, and qualifying, the chemical analytical results.

Two different levels of data validation are used with level I being not as detailed or as rigorous as level II. Level I data validation includes: (1) checking holding times limits, (2) evaluating the results of field and laboratory quality control (QC) samples such as field replicates, matrix spikes, surrogate samples, and duplicate control samples, and (3) checking that contamination during sample processing has not occurred in QC blanks such as equipment, method, ambient, and trip blanks. Most of the information and data used to conduct a level I data validation is contained in the summary-data reports prepared by the reporting laboratory. Level II data validation includes all the level I guidelines plus using the raw-date reports prepared by the reporting laboratory to: (1) check that laboratory instruments have been properly tuned and calibrated, and (2) verify that selected sample results do not have any omissions, problems, discrepancies, transcription errors, and reduction (dilution, conversion) errors.

Field samples (environmental and QC) are processed and analyzed by the reporting laboratory in specific groups of samples called sample projects (also called sample cases). A sample project usually consists of 20 or fewer samples that are collected from one or more sampling locations (monitoring well) in a given sampling period. Numerous laboratory QC samples also are analyzed with the field samples for each sample project.

This data validation checklist is designed to be used when validating the analytical results for a given sample project and it has a multi-level organization. The first part of the checklist contains general information (section 1.0) about the scope (who, when, how, and what) of the data validation and data reports and completeness (section 2.0) for each sample project. Sections 1.0 and 2.0 will be completed and included with all data validation checklists. The data validation checklist also contains numerous supplemental sections that are listed at the bottom of the first page of this document. These supplemental checklist sections are used for specific analytical methods and will be marked with a checkmark (√) when they are completed for a given sample project. Specific project-required frequency and QC acceptance criteria and pertinent reference page numbers are listed with most of the checklist items. The Major data-validation references are the USEPA guidance documents (USEPA 1994).

References

USEPA, 1994a, USEPA Contract laboratory program national functional guidelines for organic data review, February 1994, Publication 9240.1-05, Document number PB94-963501, 124 p.

USEPA, 1994a, USEPA Contract laboratory program national functional guidelines for inorganic data review, February 1994, Publication 9240.1-05, Document number PB94-963501, 124 p.

USGS, 1992, Laboratory data validation checklist: Wyoming District, U.S. Geological Survey checklist prepared for the U.S. Air Force, multiple pages.

COPY FOR YOUR INFORMATION

CONTRACT LABORATORY DATA-REVIEW WORKSHEET

1.0 GENERAL INFORMATION Laboratory SDG Number: CANNON9

Data reviewer: Richard Baddow Review date: 7/11/06

Office, Project, & Account #: New Mexico Cannon AFB Ground Water 8636-9 JV01

Lots in SDG: D6F070234 and D6F080262

2.0 DATA DELIVERABLES

Date of Lab analytical report: 7/7/07 Number of copies: bound 1 unbound (2)

No. of volumes of raw-data report: _____ No. of CD copies of raw-data report: 1

Raw-data report reviewed? Yes ___ No X Electronic data files on CD? Yes ___ No ___

EDD file format: QWDATA X STL QUA08 X ERPIMS ___ Other ___

Comments—Data deliverables Sampling general location: Landfill 5 wells

Date rec'd data deliverables: 7/10/06 Date sent deliverables to USGS office ~~7/11/06~~ 7/12/06

3.0 INVOICE STATUS FOR SDG: (OK) Invoice copy attached X

4.0 SAMPLE INFORMATION *(Page #'s listed in this worksheet refer to lab analytical report)*

Sample collection date(s): 6/5-6/06 Sample matrix: water

No. of sample types in lot: Environmental 8 Trip blank 1 Equip. blank ___

MS/MSD 2 Other: ___

Date samples received at laboratory: ~~June 6 and 7, 2006~~ 6/7-8/06

4.1 Were accelerated turn-around times (TATs) requested for analyses? Yes ___ No X

If yes, list TAT period and if completed: ___

4.2 Were analyses on chain-of-custody (COC) form performed by lab? YES (X) NO ___

If **no**, list missing or cancelled analyses and reason for non-performance: ___

4.3 Were the samples properly preserved, labeled, no lab log-in problems, and(or) at appropriate temperature (<6 deg. C) upon receipt by the laboratory: Yes ___ No X

If **no**, list sample/lab IDs, and associated problems with when delivered at laboratory:

See case narrative of laboratory report (p. 2)

Laboratory SDG No: CANNON 9

4.4 Were preparation (extraction) and(or) analysis holding times met? Yes X No ___

If **no**, list analytical methods and sample/lab IDs for samples that exceeded holding-time limits:

4.5 Did surrogate recoveries meet QC acceptance criteria? Yes ___ No X NA ___

If **no**, list methods, surrogates, associated sample/lab IDs, lab report page #s:

8260B 1 surrogate Sample: Trip blank (06F070234-004)

8082 1 surrogate Sample: CAFB-A (06F070234-001)

4.6 Were dilution factors greater than 1 for ***organic*** analyses? Yes ___ No X NA ___

If **yes**, list analytical methods and reason for raised dilution factors: dilution ___

high-analyte levels ___ matrix interferences ___ other ___

4.7 Were dilution factors greater than 1 for **inorganic** analyses? Yes X No ___ NA ___

If **yes**, list analytical methods and reason for raised dilution factors: dilution ___

high-analyte levels ___ matrix interferences ___ other ___

6860 perchlorate. 3 samples: lot 06F070234 (p. 124-126)

5 samples in lot 06F080262 (p. 127-131)

Lot 06F070234: Method 300 (SO_4) samples: -001, -002, -003 (p. 164-166)

Method 300 (Cl) samples: -002, -003 (p. 165-166)

4.8 Additional comments about sample analyses:

~~Lot 06F080260~~

Lot 06F080262 Method 9020B (TOX) Samples: -001 → -005 (p. 167-171)

Method 300 (Cl, SO_4) Samples: -001 (p. 167), -003 (p. 169)

Laboratory SDG No: CANNON9

5.0 QUALITY CONTROL (QC) ANALYSES and RESULTS

5.1 Were any target analytes detected in the **Laboratory Method Blanks**? Yes X No____

If **yes**, list method, analytes, prep batch #, report page #s,:

8260B 1 analyte (p.178) prep batch 6166107
6010B B prep batch 6159602 (p. 280)
6020 Cr prep batch 6173296 (p.282)
6010B Al, Ca, Na, Zn prep batch 6173338 (p. 282-284)

5.2 Did lab control samples (LCS/LSCD) meet percent recoveries (%R) criteria? Yes___ No X

If **no**, list method, analytes, LCS/LCSD, prep batch #, report page #s,

8270C 2 analytes LCSD prep batch# 6160474 (p. 212 and p. 3)

5.3 Did the **MS/MSD** results meet %R or RPD acceptance criteria? Yes____ No____ NA____

Note: matrix spike and matrix spike duplicate (MS/MSD) data are used to evaluate the effect of sample matrix on the analytical process and should be only used in conjunction with other available lab QC data. In some cases, MS samples not directly associated with this lot may be used by the laboratory.

List analytical method and if MS samples are associated with this lot.

If did not meet acceptance criteria also list analytes; MS, MSD or RPD; and lab report page #:

8280A 2 analytes MSD (p. 257) associated MS lot # yes X no____
8310 1 analyte MS/MSD (p. 277) associated MS lot # yes X no____
300 ortho P MS/MSD (p. 328) associated MS lot # yes____ no X
300 SO4 MS/MSD (p. 328) associated MS lot # yes____ no X

No MS results reported for method(s):

5.4 Did the **lab-sample duplicate** results meet RPD acceptance criteria? Yes X No___ NA___

5.5 Additional comments about QC results:

300 (SO4) prep batch 6159589, 6160524 (p. 317)
9060 (TOC) prep batch 6166242, 6180381 (p. 318)

Laboratory SDG No: CANNONA

6.0 ANALYTICAL METHODS USED In this LABORATORY SDG NUMBER

X VOCs by GC/MS--method 8260B/ 524.2 *[water (W) or solids (S) analysis holding-time (HT) of 14 days]*

___ Gasoline Range Organics (GRO)+BTEX-method 8015M(GRO)/ 8021 *[W and S: analysis HT 14 days]*

___ Diesel Range Organics-method 8015M-DRO *[W: prep HT 7 days; S: prep HT 14 days; analysis HT 40 days]*

X Pesticides by GC--method 8081A *[W: prep HT 7 days; S: prep HT 14 days; analysis HT 40 days]*

X PCBs by GC--method 8082 *[W: prep HT 7 days; S: prep HT14 days; analysis HT 40 days]*

___ Pesticides by GC--method 8141A *[W: prep HT 7 days; S: prep HT 14 days; analysis HT 40 days]*

X Herbicides by GC--method 8151A *[W: prep HT 7 days; S: prep HT14 days; analysis HT 40 days]*

X SVOCs by GC/MS--method 8270C *[W: prep HT 7 days; S: prep HT14 days; analysis HT 40 days]*

X Dioxins and Furans--methods 8280/ 8290 *[W and S: prep HT 30 days; analysis HT 45 days]*

X PAHs by HPLC method 8310 *[W: prep HT 7 days; S: prep HT14 days; analysis HT 40 days]*

___ Explosives by HPLC method 8330 or 8321A *[W: prep HT 7 days; S: prep HT14 days; analysis HT 40 days]*

___ Hexane extractable materials (HEM and SGT-HEM)-method 1664/ 9071B *[W/S: analysis HT 28 days]*

X Total or dissolved organic carbon (TOC/DOC)--methods 415.1 or 9060 *[W: analysis HT 28 days]*

X Perchlorate--methods 314.0 or 8321A LC/MS/MS or IC/MS/MS 6860 *[W: analysis HT 28 days]*

___ Total organic halides (TOX)--method 9020 *[W: analysis HT 28 days]*

X Metals by ICP--method 6010B/200.7 Dissolved ___ Total X *[W and S: analysis HT 180 days]*

X Metals by ICP/MS--method 6020/200.8 Dissolved ___ Total X *[W and S: analysis HT 180 days]*

___ Metals by GFAA methods *[W and S: analysis HT 180 days]* Methods:Sb-7041, As-7060, Cd-7131 Cr-7191, Pb-7421, Se-7740, Tl-7841 List GFAA metals: ___

X Mercury by CVAA--method 7470A (W) and 7471A (S) *[W and S: analysis HT 28 days]*

X Inorganic anions-method 300/ 9056 *[W: analysis HT 48 hours-* NO_2, NO_3, ortho-P; *HT 28 days-*Br, Cl, F, SO_4*]*

X Total dissolved solids (TDS)--method 160.1 and(or) TSS--method 160.2 *[W: analysis HT 7 days]*

X Total alkalinity--method 310.1 *[W: analysis HT 14 days]*

___ Nitrogen, ammonia--method 350.1 *[W: analysis HT 28 days]*

___ Nitrogen, TKN--method 351.2 *[W: analysis HT 28 days]*

X Nitrogen, nitrate + nitrite--method 353.2 *[W: analysis HT 28 days]* NO_3 or NO_2 only *[HT 48 hours]*

___ Nitrogen, nitrite--method 354.1 *[W: analysis HT 48 hours]*

___ Phosphorus-method 365.3 and ortho P by 365.3 *[total P: W: analysis HT 28 days, ortho P 48 hours]*

X Cyanide, total, dissolved, or amenable--methods 9012A/ 335.3 *[W and S: analysis HT 14 days]*

___ Moisture content--methods D2216 or 160.3M

___ BOD--method 405.1 *(HT 48 hours)* or COD--method 410.4

___ Physical properties: pH--method 150.1; specific conductance--method 120.1

X Other analyses: 9020B TOX

Appendix IV

USGS Laboratory Quality Assurance/Quality Control Results for Sewage Lagoons

LABORATORY DATA VALIDATION CHECKLIST

SECTION 1.0: GENERAL INFORMATION (also see Appendix A)

Data reviewer(s) name, affiliation, title, signature, and date of review:
Fredrick E. Gebhardt, USGS-WRD, Hydrologic Technician 08/08/06
Sarah E. Falk, USGS-WRD, Hydrologist 08/08/06

Data Inventory

1.1 Sample project number: Severn Trent No's. D6F080250

1.2 Operable unit and site: Cannon Air Force Base, Sewage Lagoons
Sample collection date: June 5, 6, and 7, 2006

1.3 Sample locations (location IDs): CAFB-E, CAFB-F, CAFB-G, and CAFB-H; CAFB-HTB is the trip blank for volatile analysis.

1.4 Sample matrix (ground water, soil, other): ground water

1.5 Type and number of field samples (environmental and quality control) in sample project:

Type	number	Type	number
environmental	4	MS/MSD	0
field duplicate	0	trip blank	1
equipment blank	0	ambient blank	0

Data validation level: note--see appendix A for description of different levels

LEVEL 1

SECTION 2.0: DATA REPORTS AND COMPLETENESS

Data reviewer(s) name, affiliation, title, signature, and date of review:
Fredrick E. Gebhardt, USGS-WRD, Hydrologic Technician 08/08/06
Sarah E. Falk, USGS-WRD, Hydrologist 08/08/06

Laboratory Data Reports

2.1 Analytical Results Report--report date: June 23, 2006, revised August 9, 2006

2.2 Raw Data Report--number of volumes: Raw data not reviewed

2.3 Was completeness of lab reports acceptable? Yes √ No ____
(overview, analytical results, quality-control report)

Data Completeness

2.4 Were all samples requested on chain of custody form analyzed by lab? Yes √ No__

	Volatile Organic Compounds	Organochlorine Pesticides	PCB's	Total Metals
requested:	5	4	4	4
analyzed:	5	4	4	4

	Mercury	Sulfide	Total Organic Carbon (TOC)	Sulfate
requested:	4	4	4	4
analyzed:	4	4	4	4

	Nitrate and Nitrite	Total Dissolved Solids	Perchlorate	Phosphate
requested:	4	4	4	4
analyzed:	4	4	4	4

	Anions	Total Alkalinity
requested:	4	4
analyzed:	4	4

2.5 List cancelled analyses on cancelled-data worksheet: none

2.6 Were sample cooler seals intact upon receipt by lab? Yes

2.7 What were the sample cooler temperatures upon receipt by lab? 2.2 – 5.7 °C at Severn Trent

2.8 Additional comments:

SECTION 3.0: DATA VALIDATION REVIEW

In the following table (Table III-1), the resulting data from the June 5, 6, and 7, 2006,sampling round is reviewed for the following data validation parameters: holding times, surrogate spike recovery, field duplicates, equipment blanks, lab control samples, lab method blanks, matrix spike and duplicates, and results over the reporting limits with qualifiers. Data validation parameters are reviewed for compliance with individual requirements for each parameter specific to the individual analyses of volatile organic compounds (SW8260B), organochlorine pesticides (SW8081A), PCB's (SW8082), total metals (SW6010B and SW6020), mercury (SW7470A), sulfide (SW9034), TOC (SW9060), sulfate (MCAWW300.0A), nitrate-nitrite (MCAWW353.2/354.1), total dissolved solids (MCAWW160.1), perchlorate (SW8321A), orthophosphate (MCAWW300.0A), nitrate (MCAWW300.0A), anions (including chloride, fluoride, bromide and nitrate) (MCAWW300.0A), and alkalinity (MCAWW310.1

Table III-1. Data validation worksheet table for June 5, 6, and 7, 2006 sampling round at Cannon Air Force Base – validation parameters, analytes, and methods (USEPA, 1994a; USEPA, 1994b; USGS, 1992).

Data Validation Parameters	**Volatile Organic Compounds by Method SW8260B**	**Organochlorine Pesticides by Method SW8081A and PCBs by Method SW8082**	**Total Metals by Method SW6010B/SW 6020 and Mercury by Method SW7470A**
Holding times	14 days sample to analysis	7 days sample to extraction; 40 days extraction to analysis	Mercury 28-days sample to analysis; all others 180-days sample to analysis
Met	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes
Surrogate Spike Recovery	% R within 3 standard deviation (SD) of historical laboratory performance	% R within 3 SD of historical laboratory performance	Not Applicable
Met	☐ Yes ☑ No, see notes	☑ Yes ☐ No, see notes	
Field Duplicates	RPD <30%	RPD <30%	RPD <30%
Met	☐ Yes ☑ No, see notes	☐ Yes ☑ No, see notes	☐ Yes ☑ No, see notes
Equipment Blanks	Not Applicable	Not Applicable	Not Applicable
Met	Dedicated equipment used for all samples	Dedicated equipment used for all samples	Dedicated equipment used for all samples
Lab Control Samples	%R and RPD within 3 SD of historical laboratory performance	%R and RPD within 3 SD of historical laboratory performance	%R and RPD within 3 SD of historical laboratory performance
Met	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes
Lab Method Blanks	≤ RL	≤ RL	≤ RL
Met	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes
Matrix Spike and Duplicates	% R within 3 SD of historical laboratory performance	% R within 3 SD of historical laboratory performance	% R within 3 SD of historical laboratory performance
Met	☐ Yes ☑ No, see notes	☐ Yes ☑ No, see notes	☐ Yes ☑ No, see notes
Results over RL with Qualifiers	List: None	List: None	List: Serial dilution of digestate indicates physical and chemical interferences are present for barium in CAFB-F, H, G, and E, and selenium for CAFB-F, and H; Method blank contamination for barium in CAFB-F, H, G, and E, calcium in CAFB-F, H, G, and E, iron for CAFB-H, and Zinc in CAFB-H.

Table III-1. Data validation worksheet table for June 5, 6, and 7, 2006 sampling round at Cannon Air Force Base – validation parameters, analytes, and methods (USEPA, 1994a; USEPA, 1994b; USGS, 1992) -- continued.

Data Validation Parameters	**Sulfide by Method SW9034**	**Total Organic Carbon (TOC) by Method SW9060**	**Sulfate by Method MCAWW300.0A**
Holding times **Met**	Sulfide 7 days sample to analysis ☑ Yes ☐ No, see notes	28-days sample to analysis ☑ Yes ☐ No, see notes	28-days sample to analysis ☑ Yes ☐ No, see notes
Surrogate Spike Recovery **Met**	Not Applicable	Not Applicable	Not Applicable
Field Duplicates **Met**	RPD <30% ☐ Yes ☑ No, see notes	RPD <30% ☐ Yes ☑ No, see notes	RPD <30% ☐ Yes ☑ No, see notes
Equipment Blanks **Met**	Not Applicable Dedicated equipment used for all samples	Not Applicable Dedicated equipment used for all samples	Not Applicable Dedicated equipment used for all samples
Lab Control Samples **Met**	%R and RPD within 3 SD of historical laboratory performance ☑ Yes ☐ No, see notes	%R and RPD within 3 SD of historical laboratory performance ☑ Yes ☐ No, see notes	%R and RPD within 3 SD of historical laboratory performance ☑ Yes ☐ No, see notes
Lab Method Blanks **Met**	≤ RL ☑ Yes ☐ No, see notes	≤ RL ☑ Yes ☐ No, see notes	≤ RL ☑ Yes ☐ No, see notes
Matrix Spike and Duplicates **Met**	% R within 3 SD of historical laboratory performance ☐ Yes ☑ No, see notes	% R within 3 SD of historical laboratory performance ☐ Yes ☑ No, see notes	% R within 3 SD of historical laboratory performance ☐ Yes ☑ No, see notes
Results over RL with Qualifiers	List: None	List: None	List: Reporting limit elevated because of high analyte levels in CAFB-F, H, G, and E. Method blank contamination in CAFB-F, H, G, and E.

Table III-1. Data validation worksheet table for June 5, 6, and 7, 2006 sampling round at Cannon Air Force Base – validation parameters, analytes, and methods (USEPA, 1994a; USEPA, 1994b; USGS, 1992) -- continued.

Data Validation Parameters	**Nitrate by Method MCAWW353.2 and Nitrite by Method MCAWW354.1**	**Total Dissolved Solids by Method MCAWW160.1**	**Perchlorate by Method DEN-LC-0024**
Holding times **Met**	Nitrate 28 days sample to analysis, Nitrite 48 hours sample to analysis ☑ Yes ☐ No, see notes	7-days sample to analysis ☑ Yes ☐ No, see notes	28 days sample to analysis ☑ Yes ☐ No, see notes
Surrogate Spike Recovery **Met**	Not Applicable	Not Applicable	Not Applicable
Field Duplicates **Met**	RPD <30% ☐ Yes ☑ No, see notes	RPD <30% ☐ Yes ☑ No, see notes	RPD <30% ☐ Yes ☑ No, see notes
Equipment Blanks **Met**	Not Applicable Dedicated equipment used for all samples	Not Applicable Dedicated equipment used for all samples	Not Applicable Dedicated equipment used for all samples
Lab Control Samples **Met**	% R within 3 SD of historical laboratory performance ☐ Yes ☑ No, see notes	%R and RPD within 3 SD of historical laboratory performance ☑ Yes ☐ No, see notes	% R within 3 SD of historical laboratory performance ☑ Yes ☐ No, see notes
Lab Method Blanks **Met**	≤ RL ☑ Yes ☐ No, see notes	≤ RL ☑ Yes ☐ No, see notes	≤ RL ☑ Yes ☐ No, see notes
Matrix Spike and Duplicates **Met**	% R within 3 SD of historical laboratory performance ☐ Yes ☑ No, see notes	% R within 3 SD of historical laboratory performance ☐ Yes ☑ No, see notes	% R within 3 SD of historical laboratory performance ☐ Yes ☑ No, see notes
Results over RL with Qualifiers	List: None	List: None	List: None

Table III-1. Data validation worksheet table for June 5, 6, and 7, 2006 sampling round at Cannon Air Force Base – validation parameters, analytes, and methods (USEPA, 1994a; USEPA, 1994b; USGS, 1992) -- continued.

Data Validation Parameters	**Orthophosphate by Method MCAWW300.0A**	**Anions (including Chloride, Fluoride, and Bromide, and Nitrate) by Method MCAWW300.0A**	**Total Alkalinity by Method MCAWW 310.1**
Holding times	48 hours sample to analysis	28 days sample to analysis	14 days sample to analysis
Met	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes
Surrogate Spike Recovery	Not Applicable	Not Applicable	Not Applicable
Met			
Field Duplicates	RPD <30%	RPD <30%	RPD <30%
Met	☐ Yes ☑ No, see notes	☐ Yes ☑ No, see notes	☐ Yes ☑ No, see notes
Equipment Blanks	Not Applicable	Not Applicable	Not Applicable
Met	Dedicated equipment used for all samples	Dedicated equipment used for all samples	Dedicated equipment used for all samples
Lab Control Samples	% R within 3 SD of historical laboratory performance	% R within 3 SD of historical laboratory performance	% R within 3 SD of historical laboratory performance
Met	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes
Lab Method Blanks	≤ RL	≤ RL	≤ RL
Met	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes
Matrix Spike and Duplicates	% R within 3 SD of historical laboratory performance	% R within 3 SD of historical laboratory performance	% R within 3 SD of historical laboratory performance
Met	☐ Yes ☑ No, see notes	☐ Yes ☑ No, see notes	☐ Yes ☑ No, see notes
Results over RL with Qualifiers	List: None	List: Elevated reporting limit due to high chloride levels in CAFB-F, G, and E.	List: Method blank contamination in CABF-F and H.

Table III-2. Data validation worksheet table for June 5, 6, and 7, 2006 sampling round at Cannon Air Force Base – notes

Analyte and Method:	Notes of Data Validation Parameters:
Volatile Organic Compounds by Method SW8260B	-Surrogate spike for CAFB-G for toluene-d8 was outside of recovery limits. -Duplicate sample collected with Severn Trent Lot numbers D6F070234, and D6F080262 -Matrix and matrix spike duplicates were not collected for this method.
Organochlorine Pesticides by Method SW8081A and PCB's by Method SW8082	-Duplicate sample collected with Severn Trent Lot numbers D6F070234, and D6F080262 -Matrix and matrix spike duplicates were not collected for this method.
Total Metals by Method SW6010B/SW6020; Mercury by Method SW7470A	-Duplicate sample collected with Severn Trent Lot numbers D6F070234, and D6F080262 -Matrix and matrix spike duplicates were not collected for this method.
Sulfide by Method SW9034	-Duplicate sample collected with Severn Trent Lot numbers D6F070234, and D6F080262 -Matrix and matrix spike duplicates were not collected for this method.
Total Organic Carbon (TOC) by Method SW9060	-Duplicate sample collected with Severn Trent Lot numbers D6F070234, and D6F080262 -Matrix and matrix spike duplicates were not collected for this method.
Sulfate by Method 300.0A	-Duplicate sample collected with Severn Trent Lot numbers D6F070234, and D6F080262 -Matrix and matrix spike duplicates were not collected for this method.
Nitrate by Method MCAWW353.2, and Nitrite by Methods MCAWW354.1	-Duplicate sample collected with Severn Trent Lot numbers D6F070234, and D6F080262 -Laboratory control samples for nitrate and nitrite were outside of percent recoveries -Matrix and matrix spike duplicates were not collected for this method.
Total Dissolved Solids by Method MCAWW160.1	-Duplicate sample collected with Severn Trent Lot numbers D6F070234, and D6F080262 -Matrix and matrix spike duplicates were not collected for this method.
Perchlorate by Method DEN-LC-0024	-Duplicate sample collected with Severn Trent Lot numbers D6F070234, and D6F080262 -Matrix and matrix spike duplicates were not collected for this method.
Orthophosphate by Method 300.0A	-Duplicate sample collected with Severn Trent Lot numbers D6F070234, and D6F080262 -Matrix and matrix spike duplicates were not collected for this method.
Chloride, Fluoride, Bromide, and Nitrate by Method 300.0A	-Duplicate sample collected with Severn Trent Lot numbers D6F070234, and D6F080262 -Matrix and matrix spike duplicates were not collected for this method.
Total Alkalinity by Method MCAWW 310.1	-Duplicate sample collected with Severn Trent Lot numbers D6F070234, and D6F080262 -Matrix and matrix spike duplicates were not collected for this method.

Appendix A – Laboratory Data Validation Checklist

Instruction Notes for the Data Validation Checklist

This data validation checklist will be used when validating the chemical analytical results. Data validation is a systematic and independent verification of data quality and consists of checking, verifying, evaluating, and qualifying, the chemical analytical results.

Two different levels of data validation are used with level I being not as detailed or as rigorous as level II. Level I data validation includes: (1) checking holding times limits, (2) evaluating the results of field and laboratory quality control (QC) samples such as field replicates, matrix spikes, surrogate samples, and duplicate control samples, and (3) checking that contamination during sample processing has not occurred in QC blanks such as equipment, method, ambient, and trip blanks. Most of the information and data used to conduct a level I data validation is contained in the summary-data reports prepared by the reporting laboratory. Level II data validation includes all the level I guidelines plus using the raw-date reports prepared by the reporting laboratory to: (1) check that laboratory instruments have been properly tuned and calibrated, and (2) verify that selected sample results do not have any omissions, problems, discrepancies, transcription errors, and reduction (dilution, conversion) errors.

Field samples (environmental and QC) are processed and analyzed by the reporting laboratory in specific groups of samples called sample projects (also called sample cases). A sample project usually consists of 20 or fewer samples that are collected from one or more sampling locations (monitoring well) in a given sampling period. Numerous laboratory QC samples also are analyzed with the field samples for each sample project.

This data validation checklist is designed to be used when validating the analytical results for a given sample project and it has a multi-level organization. The first part of the checklist contains general information (section 1.0) about the scope (who, when, how, and what) of the data validation and data reports and completeness (section 2.0) for each sample project. Sections 1.0 and 2.0 will be completed and included with all data validation checklists. The data validation checklist also contains numerous supplemental sections that are listed at the bottom of the first page of this document. These supplemental checklist sections are used for specific analytical methods and will be marked with a checkmark (√) when they are completed for a given sample project. Specific project-required frequency and QC acceptance criteria and pertinent reference page numbers are listed with most of the checklist items. The Major data-validation references are the USEPA guidance documents (USEPA 1994).

References

USEPA, 1994a, USEPA Contract laboratory program national functional guidelines for organic data review, February 1994, Publication 9240.1-05, Document number PB94-963501, 124 p.

USEPA, 1994a, USEPA Contract laboratory program national functional guidelines for inorganic data review, February 1994, Publication 9240.1-05, Document number PB94-963501, 124 p.

USGS, 1992, Laboratory data validation checklist: Wyoming District, U.S. Geological Survey checklist prepared for the U.S. Air Force, multiple pages.

COPY FOR YOUR INFORMATION

CONTRACT LABORATORY DATA-REVIEW WORKSHEET

1.0 GENERAL INFORMATION Laboratory SDG Number: CANNON12

Data reviewer: Richard Laddow Review date: 6/30/06

Office, Project, & Account #: New Mexico Cannon AFB GW Sampling 8636-9JU01

Lots in SDG: 06F080250

2.0 DATA DELIVERABLES

Date of Lab analytical report: 6/23/06 Number of copies: bound 1 unbound (2)

No. of volumes of raw-data report: — No. of CD copies of raw-data report: 1

Raw-data report reviewed? Yes ___ No X Electronic data files on CD? Yes ___ No ___

EDD file format: QWDATA X STL QUA08 X ERPIMS ___ Other ___

Comments—Data deliverables Sample location: Sewage Lagoon Wells.

Date rec'd data deliverables: 6/26/06 Date sent deliverables to USGS office 6/30/06

3.0 INVOICE STATUS FOR SDG: OK Invoice copy attached X

4.0 SAMPLE INFORMATION *(Page #'s listed in this worksheet refer to lab analytical report)*

Sample collection date(s): 6/7/06 Sample matrix: water

No. of sample types in lot: Environmental 4 Trip blank 1 Equip. blank ___

MS/MSD ___ Other: ___

Date samples received at laboratory: 6/8/06

4.1 Were accelerated turn-around times (TATs) requested for analyses? Yes ___ No X

If yes, list TAT period and if completed: ___

4.2 Were analyses on chain-of-custody (COC) form performed by lab? YES (X) NO ___

If no, list missing or cancelled analyses and reason for non-performance: Boron and Silica by method 6010B was not requested on COC but analyzed/reported by lab.

4.3 Were the samples properly preserved, labeled, no lab log-in problems, and(or) at appropriate temperature (<6 deg. C) upon receipt by the laboratory: Yes X No ___

If no, list sample/lab IDs, and associated problems with when delivered at laboratory:

Laboratory SDG No: CANNON 12

4.4 Were preparation (extraction) and(or) analysis holding times met? Yes X No ___

If **no**, list analytical methods and sample/lab IDs for samples that exceeded holding-time limits:

4.5 Did surrogate recoveries meet QC acceptance criteria? Yes ___ No X NA ___

If **no**, list methods, surrogates, associated sample/lab IDs, lab report page #s:

B260C 1 surrogate sample: CAFB-G (-003) (p. 21 and 2)

4.6 Were dilution factors greater than 1 for ***organic*** analyses? Yes ___ No X NA ___

If **yes**, list analytical methods and reason for raised dilution factors: dilution ___

high-analyte levels ___ matrix interferences ___ other ___

4.7 Were dilution factors greater than 1 for **inorganic** analyses? Yes X No ___ NA ___

If **yes**, list analytical methods and reason for raised dilution factors: dilution X

high-analyte levels X matrix interferences ___ other ___

6860 perchlorate samples: -001 → -004 (p. 37-40)

300 (Cl, SO4) samples: -001, ~~-002~~ -003, -004 (p. 53, 55, 56)

300 (SO4) sample: -002 (p. 54)

4.8 Additional comments about sample analyses: ___

Laboratory SDG No: CANNON 12

5.0 QUALITY CONTROL (QC) ANALYSES and RESULTS

5.1 Were any target analytes detected in the **Laboratory Method Blanks**? Yes X No ____

If **yes**, list method, analytes, prep batch #, report page #s,: 7470A Hg prep 6163299 (p.90)
6010B Ba, Ca, Fe, Zn prep batch # 6164464 (p. 91-92)
300 SO4 prep 6160524 (p. 110)
310.1 ~~Alkalin~~ Alkalinity prep 6164123 (p. 110)
9060 TOC prep 6166242 (p. 111)

5.2 Did lab control samples (LCS/LSCD) meet percent recoveries (%R) criteria? Yes X No ____

If **no**, list method, analytes, LCS/LCSD, prep batch #, report page #s, ____

5.3 Did the **MS/MSD** results meet %R or RPD acceptance criteria? Yes ____ No X NA ____

Note: matrix spike and matrix spike duplicate (MS/MSD) data are used to evaluate the effect of sample matrix on the analytical process and should be only used in conjunction with other available lab QC data. In some cases, MS samples not directly associated with this lot may be used by the laboratory.

List analytical method and if MS samples are associated with this lot.

If did not meet acceptance criteria also list analytes; MS, MSD or RPD; and lab report page #:

6020 Cd, Ag MS/MSD (p. 101) associated MS lot # yes ____ no X
associated MS lot # yes ____ no ____
associated MS lot # yes ____ no ____
associated MS lot # yes ____ no ____

No MS results reported for method(s): 6020 Se

5.4 Did the **lab-sample duplicate** results meet RPD acceptance criteria? Yes X No ____ NA ____

5.5 Additional comments about QC results: ____

Laboratory SDG No: CANNON12

6.0 ANALYTICAL METHODS USED in this LABORATORY SDG NUMBER

App. IX

X VOCs by GC/MS--method 8260B/ 524.2 [water (W) or solids (S) analysis holding-time (HT) of 14 days]

___ Gasoline Range Organics (GRO)+BTEX-method 8015M(GRO)/ 8021 [W and S: analysis HT 14 days]

___ Diesel Range Organics-method 8015M-DRO [W: prep HT 7 days; S: prep HT 14 days; analysis HT 40 days]

X Pesticides by GC--method 8081A App. IX [W: prep HT 7 days; S: prep HT 14 days; analysis HT 40 days]

X PCBs by GC--method 8082 [W: prep HT 7 days; S: prep HT14 days; analysis HT 40 days]

___ Pesticides by GC--method 8141A [W: prep HT 7 days; S: prep HT 14 days; analysis HT 40 days]

___ Herbicides by GC--method 8151A [W: prep HT 7 days; S: prep HT14 days; analysis HT 40 days]

___ SVOCs by GC/MS--method 8270C [W: prep HT 7 days; S: prep HT14 days; analysis HT 40 days]

___ Dioxins and Furans--methods 8280/ 8290 [W and S: prep HT 30 days; analysis HT 45 days]

___ PAHs by HPLC method 8310 [W: prep HT 7 days; S: prep HT14 days; analysis HT 40 days]

___ Explosives by HPLC method 8330 or 8321A [W: prep HT 7 days; S: prep HT14 days; analysis HT 40 days]

___ Hexane extractable materials (HEM and SGT-HEM)-method 1664/ 9071B [W/S: analysis HT 28 days]

X Total or dissolved organic carbon (TOC/DOC)--methods 415.1 or 9060 [W: analysis HT 28 days]

X Perchlorate--methods 314.0 or 8321A LC/MS/MS or IC/MS/MS 6860 [W: analysis HT 28 days]

___ Total organic halides (TOX)--method 9020 [W: analysis HT 28 days]

X Metals by ICP--method 6010B/200.7 Dissolved ___ Total X [W and S: analysis HT 180 days]

X Metals by ICP/MS--method 6020/200.8 Dissolved ___ Total X [W and S: analysis HT 180 days]

___ Metals by GFAA methods [W and S: analysis HT 180 days] Methods:Sb-7041, As-7060, Cd-7131 Cr-7191, Pb-7421, Se-7740, Tl-7841 List GFAA metals: ___

X Mercury by CVAA--method 7470A (W) and 7471A (S) [W and S: analysis HT 28 days]

X Inorganic anions-method 300/ 9056 [W: analysis HT 48 hours- NO_2, NO_3, ortho-P; HT 28 days--Br, Cl, F, SO_4]

X Total dissolved solids (TDS)--method 160.1 and(or) TSS--method 160.2 [W: analysis HT 7 days]

X Total alkalinity--method 310.1 [W: analysis HT 14 days]

___ Nitrogen, ammonia--method 350.1 [W: analysis HT 28 days]

___ Nitrogen, TKN--method 351.2 [W: analysis HT 28 days]

X Nitrogen, nitrate + nitrite--method 353.2 [W: analysis HT 28 days] NO_3 or NO_2 only [HT 48 hours]

X Nitrogen, nitrite--method 354.1 [W: analysis HT 48 hours]

___ Phosphorus-method 365.3 and ortho P by 365.3 [total P: W: analysis HT 28 days, ortho P 48 hours]

___ Cyanide, total, dissolved, or amenable--methods 9012A/ 335.3 [W and S: analysis HT 14 days]

___ Moisture content--methods D2216 or 160.3M

___ BOD--method 405.1 (HT 48 hours) or COD--method 410.4

___ Physical properties: pH--method 150.1; specific conductance—method 120.1

X Other analyses: 1030B Sulfide

Appendix V

USGS protocols, sample container and preservation requirements, and documentation for Cannon Air Force Base monitoring wells

Table V-1. Field protocols for Cannon Air Force Base monitoring wells

Preparation for purging and sampling
Water levels are first measured using a Solinst electric tape
Meters for collecting water field parameters are calibrated. Meters used are: Orion pH meter, model 250A; Orion conductance meter, model 130A; YSI dissolve oxygen meter, model 550A
Nitrogen gas is connected to air intake valve on purge/sample pump. Nitrogen gas pressure varies on each well
Purging of well prior to sampling
Three well volumes of water are removed or stabilization of field parameters is achieved at each well prior to sampling. Field parameters are collected at the beginning of purging and after every five gallons of water purged thereafter. All purged water is delivered to a water tank on-site next to each well
Each well is equipped with a dedicated Bennet Pump. Dedicated pumps require no decontamination and no equipment blanks to be collected (except for initial installation)
A Bennet Pump contains an automatic reciprocating piston motor operated by compressed air, which generates power for operating a double acting, piston fluid pump. Each pump is set just above the water table with an approximate ten foot extension discharge hose attached to the bottom of the pump and submerged in the groundwater
Sample collection
Nitrogen gas pressure is reduced. EPA's Groundwater Sampling Protocols are followed, including sampling procedures and the order in which each sample bottle is collected
After samples are collected, each bottle is labeled, bagged, and stored on ice until samples are packed for shipping. Each label contains the following information: Collecting agency, Location, Sample ID, Date and time, Sample type, Analytical methods, Collectors, and Bottle type and number
Shipping
Sample bottles are packed in a cooler with bagged ice and packing material. Analytical Request/Chain of Custody forms are placed in a sealed plastic bag on top of the sample bottles. Coolers are sealed with strapping tape and a Chain of Custody with seal number
Coolers are shipped by Federal Express shipping company. Coolers are shipped overnight, and shipped on the same day samples were collected

Table V-1. Sample container and preservation requirements

Parameters and methods	Bottle Size and Type	Preservatives
Appendix-IX, Volatile Organic Compounds by SW8260B	Three 40-ml glass vials	200 µL 50% Hydrochloric Acid, Chilled to maintain 4 degrees Celsius
Appendix-IX, Semivolatile Organic Compounds SW8270C	Two 1-liter glass (amber)	None, Chilled to maintain 4 degrees Celsius
Appendix-IX, Pesticides and PCB's by SW8081A/8082	Two 1-liter glass (amber)	None, Chilled to maintain 4 degrees Celsius
Appendix-IX, Chlorinated Herbicides by SW8151A	Two 1-liter glass (amber)	None, Chilled to maintain 4 degrees Celsius
Appendix-IX, Dioxins and Furans by SW8280A	1-liter glass (amber)	None, Chilled to maintain 4 degrees Celsius
Polynuclear Aromatic Hydrocarbons by SW8310	1-liter glass (amber)	None, Chilled to maintain 4 degrees Celsius
Appendix-IX, Total Metals; by SW6010B/ SW6020; Mercury by SW7470A	500-ml polyethylene	10 ml 20% Nitric Acid, pH< 2
Cyanide by SW9012A	250-ml polyethylene	2 mL 50% Sodium Hydroxide, pH > 12
Sulfide by SW9034	250-ml polyethylene	1 mL 1N Zinc Acetate plus 1 mL 50% Sodium Hydroxide, pH > 9
Total Organic Carbon (TOC) by SW9060	500-ml glass (amber)	2 mL 50% Sulfuric Acid, pH < 2
Total Organic Halogens (TOX) by SW9020B	500-ml glass (amber)	1 mL 50% Sulfuric Acid, pH < 2
Nitrate plus Nitrite, MCAWW353.2 /Nitrite by MCAWW354.1	16 oz. glass	2 mL 50% Sulfuric Acid, pH<2, Chilled
Sulfate by MCAWW300.0A; Total Dissolved Solids by MCAWW 160.1; Anions by MCAWW 300.0A; Orthophosphate by 300.0A; Nitrate by MCAWW300.0A	1-liter polyethylene	None, Chilled to maintain 4 degrees Celsius
Perchlorate by LC/MS, SW8321A	40-ml glass vial	None, Chilled to maintain 4

05 June 2006 (Monday)

Field crew: Ralph Wilcox
Andrew Robinson

Calibrated field meters:

pH (Orion 250A+; serial no. 018141, w/ new Orion probe 9107BN)

initial 4.16, —, & 9.96
adjusted 4.01, 6.99, & 9.99
slope 97.1
buffer temp. 28.0 °C

conductivity (Orion 130A, serial no. 67522)
KCl std 750 µS/cm, lot 1511578, expires 11/07.

initial 753 µS/cm @ CC 0.477
adjusted 750 " " " 0.475
std. temp. 26.2°C

D.O. (YSI 550A, serial no. 04B0256)
elev. 4400', salinity 0.7 ppt
stable in chamber @ 6.61 mg/L (84.4% sat.)
temp. in chamber 27.9°C

05 JUNE 2006

Well A

W.L. = 298.08' FROM M.P.

CAFB-A

time	vol. (g)	temp (°C)	pH	cond. (mS)	D.O. (mg/L)
12:48	5g	18.9	7.72	0.636	7.30
12:52	10g	18.9	7.72	0.635	7.34
12:57	15g	18.9	7.75	0.631	7.36
13:01	20	18.7	7.76	0.626	7.80
13:06	25	18.7	7.77	0.627	6.99
13:11	30	18.7	7.78	0.627	7.01
13:15	35	18.6	7.78	0.627	7.45
13:19	40	18.7	7.78	0.627	7.54

13:25 COLLECTED ENVIRO SAMPLE CAFB-A

14:02 MOVING TO CAFB-U

05 JUNE 2006

WELL CAFB-U

1414 W.L. = 307.18 b/w pump hanger.

CAFB-U

TIME	VOL. (L)	T (°C)	pH	COND (mS)	DO (mg/L)
1424	5	18.6	7.75	0.774	8.13
1439	10	18.7	7.72	0.771	7.87
1444	15	18.7	7.75	0.771	8.54
1449	20	18.6	7.76	0.770	8.84
1454	25	18.6	7.76	0.770	8.86
1500	30	18.6	7.77	0.770	8.37
1504	35	18.6	7.77	0.770	8.63
1509	40	18.5	7.77	0.770	8.71

1515 COLLECTED ENVIRO SAMPLE CAFB-U

1553 MOVED TO CAFB-B

- PROPOSED TRAILER

06 JUNE 2006

WELL CAFB-B ARRIVED @ 07:30

SAME CREW 05 JUNE 2006

CALIBRATED FIELD METERS (SAME INSTRUMENTS AS PREVIOUS DAY)

pH INITIAL - 10.18, 7.09, 4.01
ADJ. - 10.02, 7.00, 4.00
SLOPE - 100.1
BUFFER T (°C) - 25.4°

CONDUCTIVITY - KCl STD 750 µS/cm EXP 11/07
INITIAL 0.744 mS/cm @ 0.475
ADJ. 0.750 mS/cm @ 0.478

D.O. ELEV 4200' SALINITY 500 PPM
STABLE IN CHAMBER @ 85.1% 6.87 mg/L
@ 26.1°C

6 JUNE 2006 [CAFB-B]

0755 W.L. 308.44' BELOW PUMP HANGER.

TIME	VOL (g)	T (°C)	pH	COND (mS)	D.O. (mg/L)
0805	PRODUCING AIR + WATER				
0809	5	18.4	7.14	0.745	5.03
0809	TURNED PUMP OFF				
0814	Restarted pump.				
0822	10	18.4	7.10	0.744	4.90
0830	15	18.4	7.06	0.744	4.67
0834	SWAPED N_2 TANKS				
0841	20	18.3	7.12	0.744	5.31

0845 SAMPLED (ENVIRO.) CAFB-B

0918 MOVED TO WELL CAFB-T

6 JUNE 2006

/CAFB-T/

0922 W.L. 308.19 FROM TOP OF PUMP CASING

time	vol.	temp.	pH	cond.	D.O.
0932	5	18.4	7.65	0.751	7.41
0936	10	18.3	7.65	0.754	8.19
0940	15	18.3	7.65	0.756	8.23
0944	20	18.3	7.65	0.757	8.22
0947	25	18.3	7.68	0.757	7.84
0953	30	18.3	7.69	0.758	7.46
0957	35	18.3	7.66	0.756	7.71
1002	SWAPPED N_2 BOTTLES				
1003	40	18.3	7.66	.757	8.45

1005 COLLECTED ENVIRO. SAMPLE CAFB-T

1029 MOVED TO CAFB-S

6 JUNE 2006

/CAFB-5/

1038 WL 309.68' blw pump hanger.

time	vol.	temp.	pH	cond	D.O.
10:47	5	18.5	7.56	0.793	7.76
10:52	10	18.4	7.61	0.785	7.75
10:55	15	18.4	7.63	0.781	8.33
10:59	20	18.4	7.63	0.779	7.93
11:03	25	18.4	7.64	0.779	8.08
11:07	30	18.4	7.64	0.779	8.14
11:11	35	18.4	7.64	0.779	8.07
11:15	40	18.4	7.64	0.779	7.97

11:20 COLLECTED INVERT. SAMPLE CAFB-5

11:42 MOVING TO CAFB-D

6 JUNE 2006

CAFB-D

WL. 306.43' blw pump hanger. @ 12:05

TIME	VOL	T	pH	COND	DO
1217	5	18.4	7.47	0.593	6.22
12:21	10	18.4	7.46	0.592	5.95
12:25	SWAPPED N_2 TANKS				
12:29	15	18.4	7.50	0.593	6.37
12:33	20	18.5	7.52	0.596	5.96
12:37	25	18.5	7.52	0.600	5.89
12:41	30	18.5	7.52	0.603	5.69
12:45	35	18.5	7.52	0.604	6.02
12:50	40	18.5	7.52	0.606	5.55

1255 COLLECTED ENV. SAMPLE CAFB-D
1305 COLLECTED DUPLICATE CAFB-DD
1315 COLLECTED MATRIX SPIKE CAFB-D-MS
1325 COLLECTED MATRIX SPIKE DUPLICATE CAFB-D-MSD

1421 OUT OF N_2

1500 RETURN TO CAFB-C

NOTE: USED ELECTRICAL TAPE AS FERRULE, POSSIBLE SOURCE OF CONTAMINATION

6 JUNE 2006

/CAFB-C/

1513 w.c. 312.62' blw pump hanger

TIME	VOL	T	pH	COND	D.O.
1519	5	18.7	7.58	0.606	3.05
1523	10	18.6	7.57	0.606	3.14
1527	15	18.7	7.57	0.606	3.28
1533	20	18.7	7.57	0.605	3.42
1537	25	18.6	7.56	0.605	3.04
1541	30	18.6	7.57	0.606	3.06
1544	35	18.6	7.57	0.606	3.41
1548	40	18.6	7.56	0.606	3.02

1555 COLLECTED ENVIRO. SAMPLE CAFB-C

1620 DROPPED TRAILER @ CAFB-T

1630 DONE FOR THE DAY

7 JUNE 2006 CAFB-F

0730 - DROPPED OFF SAMPLES w/ FRED
0745 - PICKED UP TRAILER

08:30 ARRIVED AT CAFB-F

W.L. 08:45 - 301.27" FROM TOP OF PUMP HANGER

CALIBRATED SAME INSTRUMENTS

pH

INITIAL	4.00, -, 10.02
ADJ	4.01, 6.99, 10.00
SLOPE	99.3
BUFFER TEMP	26.2

COND.

KCl STD 750 µS/cm LOT 1511578
EXP 4/07

INITIAL 0.749 @ 476 NOT ADJ

D.O.

ELEV 4400', SALINITY 0.5 PPT
STABLE IN CHAMBER 85.4%
TEMP 26.3°C

7 JUNE 2006

CAFB - F

TIME	VOL	T	pH	COND	D.O.
0910	5	17.7	7.61	0.920	7.20
0913	RECALIB D.O. PROBE FOR HIGHER SALINITY				
		83.6% @ 85		4200' + 0.7 SAL	
		85% @ 22.6°C			7.25 mg/L
0920	10	17.8	7.63	0.919	7.22
0925	15	17.9	7.63	0.920	7.35
0929	20	17.9	7.63	0.920	7.23
0933	25	17.9	7.63	0.921	7.37
0936	30	18.0	7.61	0.923	7.40
0941	35	18.0	7.63	0.923	7.35
0944	40	18.0	7.63	0.923	7.47

0950 COLLECTED ENVIR. SAMPLE CAFB-F

1005 LEFT N. LAGOON

7 JUNE 2006

CAFB - H

10:11 ARRIVED @ CAFB-H

10:16 W.L. 303.26' TOP OF MANWELL

TIME	VOL	T	pH	COND	D.O.
1024	5	18.0	7.63	0.776	6.35
1028	10	18.0	7.63	0.776	7.06
1032	15	18.1	7.63	0.776	6.18
1036	20	18.1	7.63	0.779	7.17
1040	25	18.2	7.64	0.781	7.06
1043	30	18.2	7.66	0.785	7.11
1047	35	18.2	7.67	0.786	7.53
1051	40	18.3	7.67	0.784	7.34

1055 COLLECTED ENVIRO SAMPLE CAFB-H

11:11 TEAR DOWN EQUIPMENT

11:22 MOVING OFF SITE

JUNE 6, 2006

CANNON WATER-QUALITY SAMPLING

TEAM: FRED GEBHARDT - PROJECT CHIEF
JEFF LANGMAN

GOAL: PERIMETER WELLS (X, V, W) AND
PLAYA LAKE WELLS (

0700 - ARRIVE AT WELL X

METER CALIBRATION

1) SP COND - ORION 130A, # 1348625
1-PT MANUAL CAL WITH 500 uS/cm
RICCA CHEMICAL CAT #2241-32
LOT 1508609 EXP 8/2006
INITIAL = 495 uS/cm
ADJ = 500 uS/cm CELL = 0.465

2) pH - ORION 230A, SN 009150
2-PT AUTO CAL WITH FISHER
SCIENTIFIC 7.0 & 10.0 STDS (RALPH'S)
7.0: INITIAL = 6.67, CAL = 6.99 ✓
10.0: INITIAL = 9.69, CAL = 10.00 ✓
~~CELL~~ SLP = 100.4

3) DO-YSI 550A #05J1136
AUTO CAL AT 0.1 ppt AND 4700' ✓
CAFB-X
WELL X: WL= 274.86 BELOW TOC (MP)

0825 - COLLECTED EQUIPMENT BLANK (X-EB)

TIME	VOL (GALS)	pH	TEMP (°C)	COND (µS/cm)	DO (mg/L)
~~0905~~	~~<1~~	~~6.58~~	~~27.4~~		
0915	<1	7.68	23.6	470	7.90
0920	5	7.81	19.9	505	~~7.6~~ 7.96
0925	10	7.82	19.5	505	7.99
0930	15	7.84	19.2	506	8.02
0935	20	7.84	19.2	507	8.02
0940	25	7.84	19.2	507	8.01
0945	30	7.85	19.3	507	8.05
0950	35	7.85	19.3	506	8.04
0955	40	7.85	19.2	506	8.05

1000 COLLECTED ENV. GW SAMPLE AT CAFB-X

CAFB-W WL=320.93' BELOW TOC (MP)

TIME	GALS VOL	pH	°C TEMP	µS/cm COND	mg/L DO
1110	<1	7.74	26.5	921	4.65
1115	5	7.89	21.9	1,228	1.56
1120	10	7.93	20.8	1,222	1.39
1125	15	7.92	20.3	1,200	1.33
1130	20	7.91	19.9	1,180	1.34
1140	25	7.92	19.6	1,160	1.43
1145	30	7.92	19.6	1,160	1.50
1150	35	7.92	19.7	1,155	1.68
1155	40	7.91	19.6	1,155	1.97

1200 COLLECTED ENV. GW SAMPLE AT CAFB-W

1500 TO FEDEX WITH SAMPLES - A, B, U, X, X-B, AND W

END OF DAY

6/7/06

TEAM: FRED GEBHARDT
JEFF LANGMAN

0630- ARRIVE AT WELL V
CALIBRATION: METERS

1) SP COND: ORION 130A, #1348625
1-PT MANUAL CAL WITH 500 uS/cm STD
LOT #1508609, EXP 8/06
INITIAL = 499
ADJ = 500 CELL = 0.464

2) pH: ORION 230A, SN 009150
2-PT AUTO CAL WITH FISHER'S
SCIENTIFIC 7.0 & 10.0 STDS (ALPHA'S)
7.0: INITIAL = 7.36, CAL = 7.00 ✓
10.0: INITIAL = 10.43, CAL = 10.01 ✓ SLP = 101.9 ✓

3) DO: YSI 550A, #05J1136
AUTO CAL AT 0.1 ppt AND 4100'

6/7/06

WELL CAFB-V: WL= 333.93' BELOW TOC (TMP)

TIME	GALS VOL	pH	°C TEMP	mS/cm COND	mg/L DO
0740	<1	7.07	23.4	1,149	7.01
0745	5	7.37	19.4	1,284	4.72
0750	10	7.44	19.0	1,308	4.27
0755	15	7.47	18.8	1,311	4.58

WATER IS MURKY, ORGANIC MATERIAL WAS ON TRANSDUCER, HAVE ORGANIC GROWTH IN WELL

0800	20	7.49	18.6	1,319	5.02
0802	25	7.50	18.6	1,325	5.16
0805	30	7.51	18.5	1,330	5.28
0807	35	7.52	18.6	1,332	5.49

MURKINESS HAS CLEARED

0810	40	7.52	18.5	1,340	5.55
0812	45	7.53	18.5	1,346	5.61
0815	50	7.53	18.5	1,343	5.65

0820 COLLECTED ENV. GW SAMPLE AT CAFB-V

6/7/06

CAFB-6: WL = 303.68' BELOW TOC MP

	TIME	GAS VOL	pH	°C TEMP	µS/cm COND	mg/L DO
	0955	<1	7.34	18.5	849	5.83
	1000	5	7.37	18.1	849	6.00
	1002	10	7.39	18.1	848	6.13
	1005	15	7.36	18.1	851	5.76
	1007	20	7.45	18.2	848	6.08
	1010	25	7.50	18.2	847	6.20
	1012	30	7.55	18.2	848	6.40
	1015	35	7.56	18.3	849	6.40
GAS	1030	40	7.57	18.2	853	6.39
	1035	45	7.56	18.3	853	6.46
	1037	50	7.57	18.3	853	6.41

1040 COLLECTED ENV GW SAMPLE AT CAFB-6

6/9/06 CAFB-OA

CALIBRATION OF METERS (CONT)

CONDUCTIVITY METER READING 999

SLOPE .478

D.O. METER: YSI MODEL 95 S/N 01G1194

ELEVATION 4300 FT.

1015 PROBLEMS WITH THE MOTOR AND PUMP ON THE BENNETT.

1020 PUMP STARTED TO WORK.

TIME	VOL	TEMP	pH	COND	DO
1033	5	17.9	6.81	1699	4.88
1038	10	16.9	6.90	1704	4.15
1043	15	16.9	6.95	1697	4.03
1048	20	16.9	6.97	1700	3.99
1057	30	16.5	6.99	1698	3.73
1105	40	16.6	7.01	1696	3.69

1110 COLLECTED SAMPLE CAFB-OA.

6/9/06 CAFB-O_A

0835 ARRIVE AT WELL CAFB-O_A, WITH PORTABLE BENNETT PUMP.

CREW: SARAH FALK
RK DEWEES
FRED GEBHARDT

NEED TO GET THE LAST INTERVAL/REGULATORY SAMPLE FROM CAFB-O_A.
WILL THEN REMOVE BLADDER PUMP + INSTALL BENNETT PUMP.

METER CALIBRATION:

pH METER: ORION MODEL 250 A+, S/N 014209
BUFFERS 4.01, 7.01, 10.01
READINGS 4.01, 6.99, 10.00
SLOPE 99.1

CONDUCTIVITY: ORION MODEL 130A S/N 1348654
STANDARD 1,000 µ/sm

6/05/2006 June 05, 2006

1140 arrive at CAPB PA, Sarah Falk, RK Dewees, Andrew Robertson, Fred Gebhardt & Ralph Wilcox

RK Dewees, Andrew Robertson, Fred Gebhardt & Sarah Falk prepare bladder pumps for PA & OA

Will collect equipment blanks for the two pumps for PA & OA
Assemble 4 5' lengths of PVC casing & insert into well P (the dry well), all 4 joints were rinsed w/ DI water prior to assembly (held w/ pipe wrench)

Pump connected to hosing, pump was decon'd at the office by F. Gebhardt, pump lowered into the "blank well" and casing was filled w/ DI water will rinse the pump & tubing prior to collecting EB.

~~started~~ 1218 started pumping, air leak in the air line

1230 Ralph & Andrew off to start sampling
1232 Fred off to get more DI water for decon

not getting water flow through the tubing, pulled the pump & could hear air leaking through the bottom of the pump - could not easily remove the bottom piece, after forcing it found the O-ring destroyed.
Replaced the pump w/ the other pump

6/5/06

Not seeming to get very much water, pulled it out & bladder seems okay - full of water & then tried a stroke, reconnected, got water out finally

pump seems to be working okay - not great. Fred ordered a rental control box, the gastech one does not seem to work well - can't control the cycling very well.

pulled the pump, emptied the "blank well" of excess water, blew the water out of the pump w/ nitrogen & put the pump back, poured in 2 gallons DI

1400 ~~200~~ started purging for Equipment Blank 04, will purge 2 gallons & then sample

1408 ~~208~~ getting some water out every stroke

1427 1 gallon

1500 poured in more water - ~~there~~ we put in 5 gallons at this point, seems that the pump requires a foot or two of head to work

503 2 gallons purged

15

1505 collected field blank EQ-04 w/ STL DI H_2O

6/5/06

15
1335 water level at CAPB PA is 296.42 feet below top of well casing (no mp marked)

15
1350 water level at CAPB OA is 305.35 feet below top of well casing (no mp marked)

16
1400 lowered pump OA into well OA, placed ~292 ft below top of casing, will use extensions to sample

16
1430 water level at CAPB NA is 294.1 feet below ~~to~~ mp

1644 water level at CAPB R is 298.02 feet below top of pump hanger plate

1700 could not get a water level at CAPB G, E-tape did <u>not</u> seem to be hanging up

end of day

6/06/2006

team: Sarah Falk
RK Dewees

600 meet at NA to plumb, Fred will take care of that instead go to OA & drop pump ~~into~~ below water table

first tubing segment = 301 ft, dropped pump 5 feet w/ second segment, so intake is at ~~311~~ 310 ft below surface & ~5.5 ft below top of water

730 RK to CAPB NA & Sarah to B to get pH buffers from Ralph

meter calibration

DO
YSI 550A S/N 05F2333 AZ
calibrate in chamber
4300 ft, 1 ppt
Stable in chamber @ 84.5% 6.52 mg/l

6/6/06

Specific Cond s/N 55158 1520296 0229 60581
130A Orion

standard - Potassium chloride 750 µm/ohms/cm
lot 1511578 exp 11/2007

initial 0.822 ms/cm @ cc 0.476
final 0.749 ms/cm @ cc 0.438
temp 25°C

pH Orion 250A s/N 012942
new pH electrode

auto calibration

initial	final	slope
~~7.00~~ 6.78	6.98	102.2
9.71	9.95	

check in 7.00 pH buffer = 6.99

CAFB NA

6/6/06

6-6-06

TIME	VOL	PH	TEMP	COND (MS/CM)	DO	
0827	1.0	7.32	18.7	463MS	7.70	
0834	10.0	7.75	18.8	473	7.43	
0839	20.0	7.76	18.8	474	7.44	
0847	30.0	7.77	18.8	491	7.43	bubbles coming
0900	40.0	7.76	18.8	493	7.37	in from the pump
0910	50.0	7.76	18.8	493	7.58	

changed nitrogen cylinders @ ~48 gallons

0915 collected env gw sample @ CAFB NA, collected ions, tds, TKN, nitrate, nitrate, cl, metals, toc, alkalinity

CAFB R

time	vol gal	pH	temp °C	cond ms/cm	DO mg/L
939	Ø	7.67	18.9	850	7.54
947	10	7.67	18.5	804	7.49
956	20	7.68	18.5	751	7.51
1005	30	7.67	18.5	732	7.49
1014	40	7.69	18.5	730	7.48
1021	50	7.69	18.5	724	7.49

1030 collected env gw sample at CAFB R including cations, nitrat, toc, metals, alkalinity, tds, nitrate, tkn, cl

measured ~~ft~~ height of measuring point above land surface

6/6/06

2.67 ft above landsurface (concrete pad) to top of pump hanger plate

1120 arrive at ~~HTAE~~ CAPBE, wl 303.13 ft below measuring point
RK off to get fitting for air hose

1130 John Rebman delivered two fedex packages

CAPBE

TIME	VOLUME	pH	MS/CM COND	TEMP	DO
1200	1.0	7.54	760	19.9	7.97
1208	10.00	7.66	699	18.7	6.80
1217	20.00	7.66	700	18.7	6.74
1225	30.00	7.66	696	18.7	6.82
1234	40.00	7.65	688	18.7	6.81
1243	50.00	7.65	689	18.7	6.85

stopper at the base of the barrel is not there - barrel is draining to the ground

1245 collected env qu sample at CAPBE, VOCs, pest, PCB, toc, nitrate, nitrite, sulfide, perchlorate, metals, tds, anions, alk

end of day

6/7/2006

600 arrive at wells P/PA

set up rental control box w/ correct fittings
Set up blank well in CAFB P
dropped pump to bottom : everything works fine
pump ~~is not~~ does not produce a lot of water when there is ~~not~~ not much head

deconned pump w/ DI water, then blew the tubing out with nitrogen

745 started pumping for equipment blank, filled blank well with STL DI water

753 1 gallon purged

803 2 gallon purged

805 collected CAFB PA ECQ, TKN, TDS, Cl nitrate

6/7/06

meter calibration:

DO

YSI 550A s/N 05F2333 A2

calibrate in chamber

4300 ft, 1 ppt salinity

stable in chamber at 7.31 mg/L

temp 22.5

Specific conductance

Orion 130A s/N 55158 1520296 0229 60584

standard - Potassium chloride 750 umohms/cm

lot 151578 exp 11/2007

initial 696 us/cm @ cc 0.438

final 700 us/cm @ cc 0.439

std temp 23.1

pH

Orion 250A s/N 012942, same pH electrode as yesterday

auto calibration initial 7 = 7.35

	reading	calibration
7	7.35	7.01
10	10.29	10.05

slope 98.7

temp 21.6

check pH 7 buffer = 7.03

06/07/06

845 set the pump in PA at 292 + 5 ft, p bottom of pump at 301, wl from 6/5/06 @ 296.4, pump submerged at 0.5 ft
will go to OA & let PA sit

900 arrive at CAFB OA

initial water level at ~~PA~~ OA is 305.77 ft below top of casing
the pump ~~in the~~ to the east has been on & is on currently
~0.5 ft of drawdown since @ 06/05/06

920 started the pump @ CPM 2 20.0 refill, 10.0 discharge
250 psi throttle

time	vol	CPM	refill	discharge	throttle	tank gauge	pH	temp	cond	do	wl
922	∅	2	20.0	10.0	250	150	—	—	—	—	305.77
928	∅	"	"	"	"	"	—	—	—	—	305.77
935	∅	"	"	"	"	"	—	—	—	—	305.77
937	∅	2	20	10	300	200					
941	0	"	"	"	300	200	--		—	—	305.77

no water yet, no water in the tube at the surface

950	∅	"	"	"	320	250					305.77

called QED

1 150

1005 turned pump off will let the pump wl, possible

6/7/06

that the bladder has pancaked. Will either re-expand w/ time ahead or we will have to pull it

1022 arrive at P_A

$P_A - 1$

time	vol	CPM	refill	disch	throttle	tgauge	pH	temp	cond	do	w/
1023											296.69
1024	∅	1	40	20	~10	80					
1032	∅	1	"	"	~30	80					296.71

saw some bubbles initially (from the water discharge line submerged in water) but not getting anymore, possible bladder is not re-expanding b/c of not enough head?
turned throttle up to ~40 & saw bubbles

1034	∅	"	"	"	40	100					
1038	∅	"	"	"	70	100					

bubbles

1040	∅	"	"	"	80	100					
1042	∅	1	35	25	100	100					296.74

1049 there is an air leak at the 5ft fittings (between the 2 tubing segments)

1049	MN	35	~~35~~ 40	90	100						
1056	mn	35	40	140	100						296.71

1105 water discharged from tubing

1107	mn	35	40	130	100	5.60	23.2	848	—	296.71	
128	mn	60	35	130	100	5.73	25.6	871.79	296.71		

the pump is blowing lots of air bubbles, not sure where / what the problem is

1146	1	mn	60	40	130	100	4.97	27.3	885	1.62	296.71

PA-1 cont 6/7/06

time vol cpm refill dis throt tgauge pH temp cond DO wl

check the pH meter
in 7.00 buffer = 7.02, in 4.00 buffer = 4.03

1210 decided to pull the pump to tighten fittings & replace the bladder

1220 placed the pump back in the hole, placed it at the "bottom" ~~sixty~~ fifty feet lower than first setting, at 357 feet below top of casing

1240 pulled pump at OA, replaced the bladder & tightened fitting put OA back at bottom, at 356 ft below top of casing

1325 started pumping at PA, got bubbles

CAFB PA347

time	vol	temp	pH	cond	DO	Mill/disch	throttle	waterlevel
1335	∅					20/30	100	296.58
1338	∅					20/30	150	—
1345	∅	22	7.60	934	6.11	20/30	150	296.66
first bit of water								~~296.71~~
1352	1/2	21.6	7.42	949	4.67	"	"	296.71
1354	1	21.4	4.15	947	4.80			
1402	1 1/2	21.7	7.44	948	4.85	"	"	296.65
1405	2	21.5	6.48	945	4.85	"	"	296.65

6/7/06

time	vol	pH	temp	cond	DO	refill/discharge	throttle	weir level
1413	2½	4.35	21.0	948	4.76	20/35	150	296.65
1416	3	4.39	21.2	953	4.29			296.75

not sure if pH probe working??

1422	3½	7.45	20.2	942	3.00			

placed meters in flow through chamber, hope the pH will settle down.

1428	4	7.44	22.2	955	2.94	"	"	296.65

1424 RK completed field nitrate test w/ water from this interval (water from ~~2:1400~~ ~1410), results were negative. Water turned a yellow color)

1434	4½	7.42	22.5	955	2.52	"	"	296.66
1438	5	7.41	22.5	955	2.43	20/35	200	296.60

1445 collected interval sample PA347, collected TDS, Cl, nitrate, & TKN

end of the day

Thursday 6/08/2006

613 arrive at CAFB OA, wl 305.69 ft below top of casing

Field Crew
Sarah Faek
RK Davees
Fred Gebhardt

Meter Calibration

DO YSI 550A 05F 2333 AZ
calibrate in chamber
4360 ft, 1 ppt salinity
stable in chamber at 7.46 mg/L
temp 21.5

Specific conductance
Orion 130A S/N 55158 1520276 0229 60584
Standard - Potassium chloride 750 mohms/cm
Lot 1511578 exp 11/2007

initial 697 us/cm @ cc 0.439
final 749 us/cm @ cc 0.471
Std temp 20.4

6/8/06

pH
Orion 250A S/N 012942, same electrode
auto calibration
initial 7 = 7.03

7	7.03	7.00	Slope 99.9
10	10.10	10.04	temp 22.5

check 7 = 6.99

624 start pumping

CAPBOA 356

time	vol	pH	temp	cond	do	ref/dis	throttle	water level
624	Ø					20/30	~~200~~ 170	305.67

632 first sign of water in the tubing
641 flow thru full
641 1/2 7.24 18 1606 5.36 20/30 170
~~wet~~ having problems with the etape,
647 1 7.32 17.6 1643 3.36 " "
e-tape is reading water level ~303, but the reading won't stabilize (~~&~~ the buzzer sounds when the ~~the~~ tape is moved so not possible to get a water level
water level w/ steel tape @ 655 303.14
water in flow through is ~~very~~ murky (can still see meters)
656 1 1/2 7.42 17.7 1659 2.00
701 2 7.46 17.7 1660 1.70
water level from wet casing?
710 2 3/4 7.50 18.0 1659 1.38
711 3 7.51 18 1660 1.35 16/35 170
712 water level w/ steel tape = 303.24, RK said good

6/8/06

cut

time	vol	pH	temp	cond	DO	ref/dis	throtl	waterlvl
719	3½	7.53	17.9	1656	1.20	16/35	170	
722	4	7.53	17.9	1654	1.15			

730 collected eow gw sample CAPB OA356
745 ~~to~~ raised CAPB OA ~~to~~ 346 feet
802 arrive at CAPB PA, pump seems to have slipped so that it is only a 4 foot interval instead of 10 (the zip ties must have slid up the tubing)
~~have~~ reset pump to the 337 foot below TOC interval

840 arrive at CAPB OA

CAPB OA346

time	vol	pH	temp	cond	DO	ref/dis	thro	WL
846	Ø					20/35	170	305.65
850								305.28
851								305

etape was left on in the hole - the water level seems to be rising 304.70 @ 851.12 304.40 @ 851.3 40L 304.25 @ 851.35

858	½0	7.48	21.2	1641	1.19	"	"	"

the water level seems to be changing during the stroke varies from ~303.78 to ~304.25 over a cycle

905	1	7.33	20.5	1667	1.25	"	"	"
914	1¾	7.27	20.5	1669	1.39	20/30	170	—

switched to a new N_2 tank

923	2	7.24	22.2	1661	1.51

ce/8/06

CAFB OA346 cont

time	vol	pH	temp	cond	DO	ref/dis	thro	wl
931	2½	7.23	21.3	1650	1.70	20/30	170	
935	3	7.22	21.0	1661	1.86	—	—	

0940 collected env gw sample CAFB OA346, collected TKN, nitrate, TDS & chloride

0945 raised pump in OA to 336 ft below TOC

0958 arrive at ~~#~~ CAFB PA, wl 296.65 ft below top of casing before turning on gas

PA337

time	vol	pH	temp	cond	DO	ref/Dis	throttle	wl
~~#~~1000	Ø					20/35	170	296.65
1008	Ø	7.47	22.6	1018	2.83	"	"	
water level varies 296.66 to 296.73 ft below top of casing during cycle								
1013	½	7.44	21.7	1029	2.67	"	"	
1016	1	7.43	21.6	1023	2.68	"	"	
1026	2	7.41	21.3	1026	2.74	"	"	
1032	2½	7.40	21.5	1020	2.71			
1038	3	7.40	21.5	1028	2.72	"	"	
1043	3½	7.40	21.6	1030	2.65	"	"	~296.65
results from nitrate test ≅ Ø								
1050	4	7.39	21.6	1037	2.66	"	"	

1055 collected env gw sample CAFB ~~OA~~ PA 337, nitrate, TKN, TDS, chloride

1100 lifted pump in PA to 327 ft interval

1102 water level at CAPB PA 296.64 ft below top of casing

1121 arrive at CAPBOA, water level 305.59 feet below top of casing

CAPBOA 336

time	vol	pH	temp	cond	DO	ref/dis	throttle	WL

1125 water level raised to

water level decreases during refill & increases during discharge (discharge = bladder full of air, refill = bladder filled w/water)

1130	∅	7.22	25.7	1599	2.25	25/30	170	—

water level varies from 304.68 to 303.55 over the cycle

1138	1/2	7.22	23.8	1666	2.11	"	"	—
1142	1	7.21	23.5	1668	2.04	"	"	
1150	1 1/2	7.18	23.1	1674	2.32			
1153	2	7.17	23.1	1675	2.28	"	"	—
1200	2 1/2	7.16	23.1	1674	2.23	"	"	—
1205	3	7.17	22.9	1668	2.26	"	"	

nitrate field measured ~7.5 ppm

1210 collected env gw sample ~~33~~ CAPBOA336, collected nitrate, TKN, TDS, chloride

~~to~~ 1212 water level after pump turned off is 305.58 ft below top of casing

1215 raised pump in OA to 326 interval

4/08/06 296.59

1225 arrive at CAPB PA, wl 296.59 feet below top of casing

PA327

time	vol	temp	pH	cond	DO	rfl/dis	thrott	wl
						20/35	170	
1232	Ø	27.7	7.37	1500	2.68	"	"	

water level fluctuates btw 296.61 to 296.71

1237	1/2	25.6	7.39	1024	2.46	"	"	
1244	1	24.5	7.39	1024	2.45			
1255	2	23.7	7.39	1024	2.59			
1302	2½	23.5	7.40	1023	2.57			
1305	3	23.6	7.40	1023	2.56			

field nitrate ~5 ppm

1310 collected env gw sample at CAPB ~~OA~~ PA327, nitrate, TKN, TDS, Cl;

1312 wl 296.58 feet below top of casing

1315 raised pump in PA to ~~327~~ 317 foot interval

1323 arrived at CAPBOA, water level 305.54 feet below top of casing

CAPBOA326

time	vol	pH	temp	cond	DO	rfl/dis	thro
1325	Ø					25/30	170
1332	Ø	7.15	28.8	1496	2.66	"	"
1337	1/2	7.18	25.3	1662	2.26		
1343	1.0	7.20	24.2	1679	2.07		

6/8/04

water level fluctuates between 303.75 & 305.02 ft below top of casing

CAFBOA326 cont

time	vol	pH	temp	cond	DO	rf/dis	thr
1350	1.5	7.24	23.8	1674	1.74	25/30	170
1354	2.0	7.25	23.8	1677	1.75	"	"
1400	2.5	7.25	23.8	1678	1.68	"	"
1405	3	7.25	23.8	1672	1.69	"	"

nitrate is ~7 ppm

1410 collected env gw sample CAFBOA326, collected TKN, TDS, nitrate & chloride

1425 pulled pump up to tighten the fittings, we could hear air leaking in the well casing, set the well to 316 feet interval

1428 arrived at PA, water level 296.51 feet below TOC

CAFBPA317

time	vol	pH	temp	cond	DO	rf/dis	thrtl
~~1430~~ 1430	Ø					22/30	170
1437	Ø	7.39	29.3	1028	2.61		
1447	1	7.40	27.2	1027	2.28	"	"
1454	1.5	7.40	26.6	1024	2.16	"	"
1457	2	7.40	26.7	1026	2.12		
1506	2.5	7.39	26.6	1023	2.16	"	"
1508	3	7.39	26.4	1022	2.18	"	"

field nitrate ~7.5 ppm

1510 collected env gw sample CAFBPA317, TDS, TKN, nitrate, cl

6/8/2006

1515 water level at PA 296.53 ft below TOC

1520 set pump in PA at 307 ft interval

end of day

Friday June 9, 2006

600 arrive at CAFB OA, wl 305.49 ft below top of casing

Field Crew:
Sarah Falk
RK Reeves
Fred Gebhardt

pH
Orion 250A s/N 012942, same electrode
auto calibration
initial 7.00 = 7.05

7	7.04	7.01	98.8	slope
10	10.04	10.05	21.3	temp

final 7 = 6.99

DO 451 550A 05F2333 AZ
calibrate 4300 ft, 1 ppt
stable in chamber at 7.51 mg/L

Specific conductance
Orion 130A s/N 55158 1520296 0229 60584
standard Ricca Chem Co 1,000 µohms/s
lot 3504306 exp Ap06
initial 988 @ cc 0.471
final 999 @ cc 0.76

6/9/06

CAPB OA316

time	vol	pH	temp	cond	DO	whl/dis	throttle
623	∅					22/30	170
628	∅	7.09	18.3	1592	3.36	"	"
636	0.5	7.15	17.6	1686	2.51	"	"

water level fluctuates between 304.15 and 305.40 feet below top of casing

640	1	7.19	17.7	1693	1.85	"	"
647	1.5	7.29	17.8	1700	1.40		
651	2	7.34	18.0	1702	1.30	"	"
657	2.5	7.40	18.0	1702	1.16	"	"
701	3	7.42	18.1	1703	1.10		
707	3.5	7.44	18.4	1704	1.08	"	"

710 collected env gw sample CAPB OA316, collected nitrate, TKN, TDS, Cl

field nitrate 7.5-10 ppm

718 water level in OA 305.49 ft below TOC

720 raised pump to 306 ft interval

727 arrive at CAPB PA, wl 296.59 feet below TOC

6/9/06

CAFB PA307

time	vol	pH	temp	cond	DO	refill/dis	thr
7.33	∅					25/25	170
735	∅	7.38	21.2	1039	3.90	"	"
741	1/2	7.38	20.7	1049	2.88	"	"
746	1	7.37	20.7	1048	2.91	"	"

water level varies from ~296.6 to ~296.7

754	1 1/2	7.36	20.8	1047	2.81	"	"
756	2	7.36	20.7	1047	2.88	"	"
803	2 1/2	7.36	20.5	1044	2.88	"	"
808	3	7.36	20.4	1043	2.88	"	"

815 collected env gw sample PA307, collected nitrate, TDS, TKN, Cl

816 water level 296.60 ft below TOC

820 raised PA to ~~302~~ 297 ft intrval

827 arrive at CAFB OA, water level 305.48

CAFB OA306

time	vol	pH	temp	cond	DO	refill/dis	thrt
828	∅					25/25	170
0840	1/2∅	7.51	24.3	1670	1.60	30/21	✓
0847	1/2	7.62	23.3	1686	1.21	"	"
0852	1	7.84	22.8	1683	0.66		

water level fluctuated from 305.52 to 304.95 feet below TOC

CAPBOA306 297 cont

time	vol	pH	temp	cond	do	refill/dis	thrtl
901	1 1/2	8.07	22.5	1679	0.57	30/21	170
910	2 1/2	8.01	22.5	1681	0.50	"	"
913	3	7.98	22.5	1678	0.54	"	"

920 collected on gw sample CAPBOA306, collected nitrate, TKN, TDS, & Cl

mislabeled here samples

925 collected duplicate sample CAPBOA306-2, collected nitrate, TKN, TDS & Cl

927 water level in BOA 305.48 ft below TOC

950 arrive at PA, water level 296.59 feet below TOC

CAPB PA 297

time	vol	pH	temp	cond	DO	refill/dis	thrtl
951	∅					30/21	170
~~1010~~ 1010	∅	7.40	28.3	1034	2.44	37/20	170
1016	1/2	7.38	28.0	1032	2.12	"	"

water level fluctuates from 296.62 to 296.58 ft below TOC

switched nitrogen tanks

RIC off site to help Fred at OA, to problems w/ Bennett pump

CAFB PA30297 cont

time	vol	pH	temp	cond	DO	ref. / chl	turb
1028	1	7.36	28.9	1034	1.85	37/20	170
1036	1.3	7.36	29.1	1036	1.88	"	"
1041	1.6	7.35	29.1	1040	1.91		
1045	2	7.35	28.9	1039	2.11	"	"

1050 ~~collec~~ collected env gw sample CAFBPA297, collected nitrate, TDS, TKN & Cl

1055 collected CAFB PA - metals, nit, ions, TOC, TDS, alk

@ 1103 water level in PA 296.60 ft below TOC