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ENVIRONMENTAL
CHEMICAL
CORPORATION

Round 14 Groundwater Monitoring Report for Area A Landfill

Naval Submarine Base New London Groton, Connecticut

DEPARTMENT OF THE NAVY
UNITED STATES OF AMERICA

Engineering Field Activity, Northeast
Naval Facilities Engineering Command

Contract Number N62472-02-D-0810
Contract Task Order 0002

November 2004

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ROUND 14 GROUNDWATER MONITORING REPORT
FOR
AREA A LANDFILL

NAVAL SUBMARINE BASE – NEW LONDON
GROTON CONNECTICUT

ENVIRONMENTAL OPERATION AND
MAINTENANCE CONTRACT

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1.0 INTRODUCTION

A Remedial Action (RA) was completed in 1997 at the Area A Landfill site in order to address the risk from direct exposure to landfill material and to minimize the risk of landfill contaminants leaching into the groundwater. The RA consisted of capping the site with a multilayer low-permeability cover system and installing a surface water and shallow groundwater interception and diversion system upgradient of the cover system. Groundwater and surface water monitoring is being conducted as part of the post-closure activities associated with the Area A Landfill in order to evaluate the effectiveness of the RA.

The objective of this Round 14 Groundwater Monitoring Report is to present the results of the fourteenth round of long-term groundwater and surface water monitoring at the Area A Landfill site. Groundwater samples were collected from 15 wells, one seep sample and seven surface water samples and analyzed for a suite of analytes based on an evaluation of site history and previous analytical results. Sample collection and analyses were performed in accordance to the *Draft Operation and Maintenance Manual for Installation Restoration Program Sites at Naval Submarine Base New London, Volume II - Groundwater Monitoring Plan* (GMP), (TtNUS, 2002b). Because this is an interim report, the evaluation of monitoring results is limited to a comparison of the results to the criteria identified in the original GMP for the Area A Landfill (TtNUS 1999).

1.1 BACKGROUND INFORMATION

NSB-NLON is located in southeastern Connecticut in the Towns of Ledyard and Groton. It encompasses approximately 687 acres and lies on the east bank of the Thames River, approximately 6 miles north of the Long Island Sound. NSB-NLON is bounded to the east by Connecticut Route 12, to the south by Crystal Lake Road, and to the west by the Thames River (Figure 1-1). The northern border is a low, east-southeast trending ridge extending from the Thames River to Baldwin Hill.

NSB-NLON currently provides base command for naval submarine activities in the Atlantic Ocean. It also provides housing for Navy personnel and their families and supports submarine training facilities, military offices, medical facilities, and facilities for submarine maintenance, repair, and overhaul.

The Area A Landfill is located in the northeastern and north central part of NSB-NLON and encompasses approximately 13 acres (Figure 1-2). The Area A Landfill is relatively flat and is bordered by a steep, wooded hillside that rises to the south, a steep wooded ravine to the west, and the Area A Wetland to the north. Access to the west end of the landfill is via a gate off

Wahoo Avenue and access to the east end of the landfill is via a paved road and gate adjacent to a parking lot and the Area A recreational facilities.

Before the Area A Landfill was opened, dredge spoil from the Thames River was deposited continuously along a major portion of the hillside and within the former valley, which is currently the Area A Wetland. The Area A Landfill reportedly opened sometime before 1957. However, a 1957 aerial photograph (USEPA 1957) shows no apparent landfill activities, indicating a somewhat later start-up date. After the NSB-NLON incinerator closed in 1963, most of the wastes generated by submarine and base operations were disposed of in the landfill, including all non-salvageable materials.

The area fill method was reportedly used in landfill operations at the Area A Landfill. The area fill method consists of filling an area in a sequence of cells and lifts. Each lift is a specified thickness and consists of several cells. Each cell can be viewed as a rectangular area that is filled from back to front. The front area is the "working face" and is the location where new refuse is placed and covered on a daily basis. The cover material used on the landfill was gravel obtained from the Groton water supply reservoir. The Area A Landfill closed in 1973.

After closure, a bituminous concrete pad approximately 160 x 100 feet in size was constructed in the southwest portion of the landfill for above-ground storage of industrial wastes. Steel drums, transformers, and electrical switches were stored on this pad until the time of the RA. All of these materials, were at that point, properly disposed of off-site

A two phase Remedial Investigation (RI) was conducted to determine the nature and extent of the contamination (Atlantic 1992 and B&R Environmental 1997). A site-specific Area A Landfill Focused Feasibility Study (FFS) (Atlantic 1995a), and a Proposed Remedial Action Plan (PRAP), (Atlantic 1995b) were also prepared. A Record of Decision (ROD) was signed by the Navy and United States Environmental Protection Agency (USEPA) Region I on September 26, 1995 (Navy 1995). The selected remedy consisted of the following major components:

- Restricting access to the contaminated areas of the site using perimeter fencing and institutional controls.
- Capping the site with a low-permeability multi-layer cover system to prevent water infiltration into the landfill.
- Constructing an interception system to collect shallow groundwater and storm water and re-route these around the landfill.
- Establishing landfill gas controls to manage landfill gas migration.

- Developing a groundwater monitoring plan to monitor the quality of groundwater after the landfill closure is completed.

Construction of the landfill cover system (including gas control and storm water and shallow groundwater interception systems) was completed as part of an RA in September 1997 by Foster Wheeler Environmental Corporation. Prior to commencement of construction, a large quantity of metal, concrete, wood debris, several thousand sandbags, the Deployed Parking lot, the electrical storage building (Building 496), the Master at Arms Building (Building 373), salt storage shed, and various other items that had been located on the surface of the landfill were removed or relocated. The majority of the surficial debris was disposed of off-site as scrap metal or at an off-site landfill. The debris that was salvageable by NSB-NLON was removed and relocated to other areas of NSB-NLON.

The preparation of the sub-grade cover required excavation from the northern slope of the landfill and placement of the excavated material on the southern slope. Also, approximately 4,000 cubic yards of soil from the Rubble Fill Area at Bunker A 86 (Site 4) and 1,000 cubic yards of common fill were placed over the eastern portion of the landfill, beneath the area of the relocated Deployed Parking. The soils were then compacted. During the sub-grade preparation activities, two storm water drainage structures located within the limits of the site were decommissioned. These structures consisted of open catch basins on the southern edge of the landfill that discharged into a reinforced concrete culvert running through the landfill and ultimately into the Area A Wetland. Both culverts were entirely filled with flowable concrete to eliminate potential voids in the sub-grade due to pipe collapse. The catch basins were filled with materials unsuitable for placement in the landfill sub-grade (e.g., tires, large metal and wood debris, large concrete debris, etc.) followed by encapsulation with flowable concrete fill.

The public works at NSB-NLON has developed a plan for storing equipment and materials on the paved section of the completed landfill. Equipment such as trailer trucks, buses, and plows have already been relocated to the site.

1.2 REPORT ORGANIZATION

This report has been prepared in the following format to address the requirements for long-term groundwater monitoring at the Area A Landfill. Section 2.0 describes Round 14 field activities. Section 3.0 presents the analytical results from the Round 14 sampling effort.

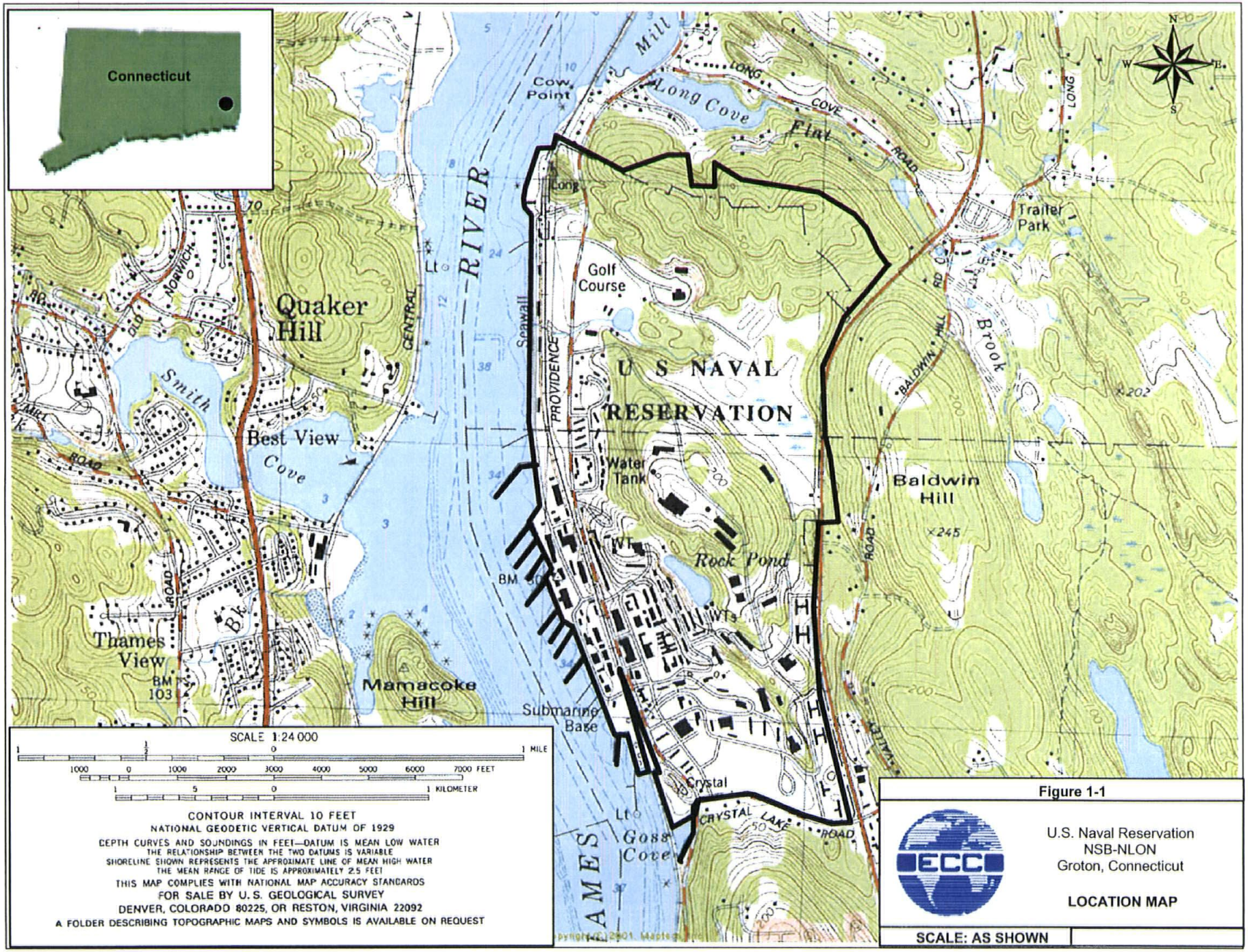


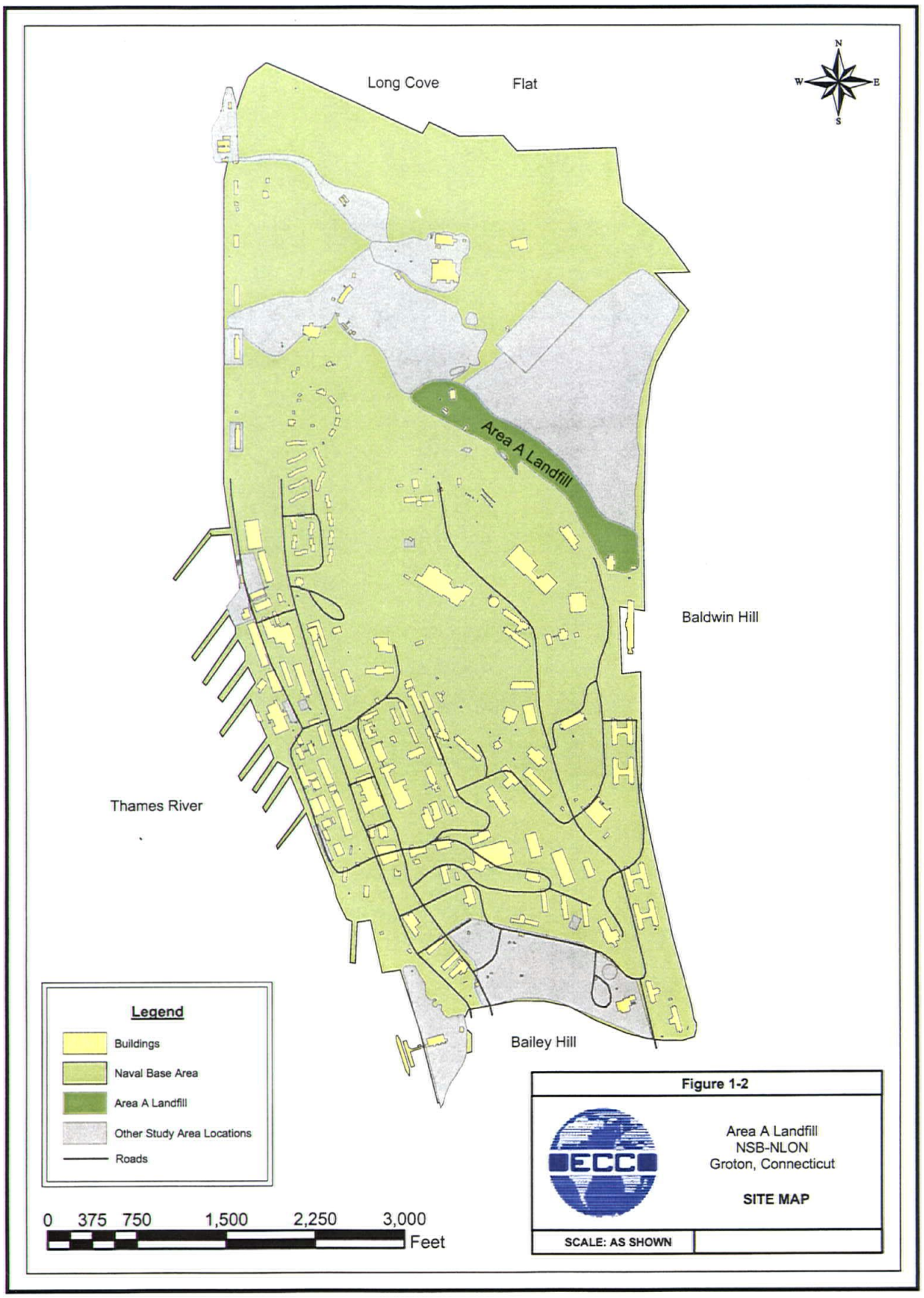
Figure 1-1

U.S. Naval Reservation
NSB-NLON
Groton, Connecticut

LOCATION MAP

SCALE: AS SHOWN

H:\NAVY\New London_NSB\Area A Annual\2004\Round 14\Figures\Maps\Figure 1-1 (Location Map)



H:\NAVY\New London_NSB\Area A Annual\2004\Round 14\Figures\Maps\Figure 1-2 (Site Map)

2.0 FIELD INVESTIGATION ACTIVITIES

Field investigation activities performed as part of the fourteenth round of the groundwater monitoring at Area A Landfill included the following:

- One round of water level measurements at 15 monitoring wells and 11 staff gauges
- Collection of groundwater samples from 15 monitoring wells.
- Collection of surface water samples from 7 surface water locations.
- Collection of one seep sample.

Monitoring well 3MW12D was replaced in October 2002 and was included in the list of wells to be sampled. Round 14 field activities took place in June 2004. Monitoring and sampling locations are shown on Figure 2-1. Copies of the monitoring well inspection sheets, water level field forms, calibration logs, groundwater and surface water field forms, and data validation memos and laboratory analytical results for Round 14 are provided in Appendices A through E, respectively.

2.1 MONITORING WELL INSPECTION

Prior to water level measurements, all 15 monitoring wells were inspected. Monitoring well 2LMW20S was missing its well tag, had a broken well pad (the asphalt and concrete pad were cracked), the seal was missing, the cap was damaged, and the well was located in a depressed area. The wooden box around well 2WMW44DS was detached from the well pad. Well 3MW37S was missing a lock and the gravel had eroded from the well box. The steel casing protecting the PVC riser of well 4MW1S was dented, but is not of concern to the well security at this time. Otherwise, the monitoring wells were in good condition (Appendix A).

2.2 WATER LEVEL MEASUREMENT

Prior to groundwater and surface water sampling, water levels were measured at 15 monitoring wells and 11 staff gauge locations. Table 2-1 summarizes the water level measurements. Figure 2-2 illustrates the potentiometric surface map for the shallow groundwater at the Area A Landfill. A copy of the water level measurement sheet is provided in Appendix B.

2.3 GROUNDWATER SAMPLING

A total of 15 monitoring wells; (3MW12D, 2LMW20S, 2WMW21S, 4MW1S, 2WMW38DS through 2WMW47DS, and 3MW37S), were sampled during the fourteenth round of groundwater monitoring (Figure 2-1). All wells were sampled in accordance with *Low-Stress (Low Flow)*

Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells (EPA 1996).

The wells were purged using a peristaltic pump with disposable Teflon® tubing. Prior to purging, the initial static water level was measured in the well using a water-level indicator. During purging, the water level was measured every 5 to 10 minutes. The pumping rate was initially set at less than 0.3 liters per minute and reduced to 0.1 to 0.2 liters per minute. The pumping rate was adjusted in order to prevent exceeding 0.3 foot drawdown limit during purging. Monitoring wells 2WMW38DS was dewatered during purging due to the low recharge rate of the screened formation. This well was sampled over two days to provide sufficient sample volume.

During purging, water quality parameters pH, turbidity, specific conductance (SpC), temperature, oxidation-reduction potential (ORP) and dissolved oxygen (DO) were measured and recorded every 5 to 10 minutes using a water quality meter and flow-through cell until all of the parameters stabilized and the minimum purge volume (equal to the stabilized drawdown volume plus the tubing volume) was removed. A summary of groundwater water quality data for Round 14 is provided in Table 2-1. Stabilization of the above parameters was generally defined as follows:

- pH ± 0.1 standard units
- turbidity ± 10 % for values greater than 1 nephelometric turbidity unit (NTU)
- SPC ± 3 %
- temperature ± 3 %
- ORP ± 10 (mV)
- DO ± 10 %

Following purging, the well tubing was removed from the flow through cell and samples were collected directly from the discharge end of the tubing. All sample containers were filled by allowing the discharge to flow gently down the inside of the container with minimal turbulence. For filtered inorganic samples, an in-line 0.45-micron filter was used. Equipment calibration logs are provided in Appendix C. Groundwater sampling field forms are provided in Appendix D and chain of custody records are provided in Appendix E.

Groundwater samples were sent to the project laboratory (Alpha Analytical Labs) for analysis for select total compound list (TCL) semi-volatile organic compounds (SVOCs) without polynuclear aromatic hydrocarbons (PAHs), PAHs, total analyte list (TA)L metals (total and dissolved); total organic carbon (TOC); chemical oxygen demand (COD); and water chemistry parameters (total dissolved solids (TDS), total suspended solids (TSS), alkalinity, chloride, sulfate, and hardness) as presented in the GMP (TtNUS 2002b). Analytical results for the groundwater samples are discussed in Section 3.0.

2.4 SURFACE WATER SAMPLING

As directed in the GMP (TtNUS, 2002b), seven staff gauge locations and one seep sampling location were to be sampled as part of the sampling program (Figure 2-1). Surface water samples were collected by directly filling a clean unpreserved sample container and transferring the water to the appropriate sample containers. Dissolved metal samples were collected using a clean unpreserved sample container and using a peristaltic pump to filter the water from the collection container, through a 0.45-micron filter, to the sample container. Surface water field forms and chain of custody are provided in Appendices D and E, respectively. A summary of surface water quality data for Round 14 is provided in Table 2-2.

The surface water samples were sent to the project laboratory for analysis for the same parameters as the groundwater samples. Analytical results for surface water samples are discussed in Section 3.0.

2.5 DECONTAMINATION AND INVESTIGATION – DERIVED WASTE

All water quality and water level meters were decontaminated by washing them in a solution of Alconox and deionized water and rinsing with deionized water, prior to and after use.

Liquid investigation-derived waste (IDW) derived from the sampling of groundwater at the Area A Landfill was extensively tested for COCs during the first four rounds of quarterly monitoring. The liquid IDW generated has been determined to be non-hazardous and therefore it is disposed directly to the OT-10 wastewater processing facility in compliance with the NSB NLON Pre-Treatment Permit from the Connecticut Department of Environmental Protection (CTDEP).

TABLE 2-1
GROUNDWATER MEASUREMENTS AND ELEVATIONS
ROUND 14 - SEMI-ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Location	Date	Screened Unit	Measuring Point Elevation (ft msl)	Depth to Water[1] (feet)	Groundwater Elevation (ft msl)	Location	Date	Screened Unit	Measuring Point Elevation (ft msl)	Depth to Water[1] (feet)	Groundwater Elevation (ft msl)
2LMW20S	6/1/2004	F/A	86.83	17.20	69.63	3MW37S	6/1/2004	A	47.26	3.63	43.63
2WMW21S	6/1/2004	DS	76.31	4.05	72.26	4MW1S	6/1/2004	BR	129.55	6.94	122.61
2WMW38DS	6/1/2004	DS	74.06	5.93	68.13	SG06	6/1/2004	NA	NA	16.57	NA
2WMW39DS	6/1/2004	SS/DS	73.54	2.08	71.46	SG15	6/1/2004	NA	74.03	dry	NA
2WMW40DS	6/1/2004	DS	73.21	2.74	70.47	SG16	6/1/2004	NA	73.50	dry	NA
2WMW41DS	6/1/2004	DS	73.39	1.95	71.44	SG17	6/1/2004	NA	73.57	dry	NA
2WMW42DS	6/1/2004	DS	73.65	1.65	72.00	SG18	6/1/2004	NA	75.92	3.74	72.18
2WMW43DS	6/1/2004	DS	74.36	2.11	72.25	SG19	6/1/2004	NA	75.83	3.63	72.20
2WMW44DS	6/1/2004	DS	73.72	1.31	72.41	SG20	6/1/2004	NA	75.19	2.92	72.27
2WMW45DS	6/1/2004	DS	74.24	1.85	72.39	SG21	6/1/2004	NA	75.32	3.05	72.27
2WMW46DS	6/1/2004	DS	73.53	1.10	72.43	SG22	6/1/2004	NA	76.13	3.89	72.24
2WMW47DS	6/1/2004	SS/DS	73.39	1.18	72.21	SG23	6/1/2004	NA	75.83	3.60	72.23
3MW12D	6/1/2004	BR	47.22	4.52	42.70	SG24	6/1/2004	NA	76.68	4.54	72.14

Notes:

(1) Depth to water is the distance in feet from the measuring point (top of well casing) to the water.

A = alluvium
BR = bedrock
DS = dredge spoil
F = fill
ft = feet
MSL = mean sea level (Base 1982 Vertical Datum = NAVD 88 + 2.39 ft), (TtNUS 2003)
NA = not applicable
SS = surficial sand

TABLE 2-2
GROUNDWATER QUALITY DATA
ROUND 14 - SEMI-ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

WELL	DATE	TIME (24hr)	Cumulative Volume Purged (liters)	Temp (ºC)	pH (std)	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Purge Rate (ml/min)
2LMW20S	06/03/04	0925	3.96	13.08	5.70	0.361	0.67	-41.1	3.0	90
2WMW21S	06/03/04	1355	7.6	12.68	5.69	35.22	0.98	-349.6	6.4	100
2WMW38DS	06/03/04	1200	5.0	13.86	6.22	0.810	1.66	-44.6	7.0	100
2WMW39DS	06/01/04	1620	8.1	10.46	7.08	1.377	4.01	-164.8	8.0	100
2WMW40DS	06/01/04	1610	11.0	9.64	7.07	27.50	0.50	-381.7	2.8	50
2WMW41DS	06/02/04	1420	11.0	11.88	6.29	18.38	0.05	-351.9	10.0	100
2WMW42DS	06/02/04	1000	10.0	11.52	6.64	17.50	0.12	-363.9	37.0	100
2WMW43DS	06/03/04	1056	6.6	11.62	6.60	30.44	0.92	-348.2	16.0	100
2WMW44DS	06/02/04	1537	6.6	13.50	6.84	41.22	7.79	-416.2	7.0	100
2WMW45DS	06/02/04	0855	5.6	10.42	6.77	29.60	5.65	-381.8	4.3	100
2WMW46DS	06/02/04	1107	6.6	11.20	6.84	44.15	6.30	-413.0	7.0	100
2WMW47DS	06/03/04	1239	11.5	13.51	4.23	4.891	0.70	-144.9	14.0	100
3MW12D	06/02/04	1115	11.72	12.25	5.08	2.835	5.73	8.0	29.0	150
3MW37S	06/02/04	0855	6.7	11.80	6.10	2.148	6.52	50.2	2.0	130
4MW1S	06/02/04	1530	9.54	11.78	4.24	0.458	2.25	533.7	1.0	180

ºC = degrees Celcius
DO = dissolved oxygen
mg/L = milligrams per liter
ml/min = milliliters per minute
mS/cm = millisiemens per centimeter
mV = millivolts
NTU = nephelometric turbidity units
ORP = oxidation-reduction potential
ppt = parts per thousand
Spec. Cond. = specific conductivity
std = standard units
Temp = temperature

TABLE 2-3
SURFACE WATER AND SEEP WATER QUALITY MEASUREMENTS
ROUND 14 - SEMI-ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

LOCATION	DATE	TIME (24hr)	Temp (ºC)	pH (std)	Spec. Cond. (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
SG18	06/02/04	1154	17.65	6.48	0.701	1.14	-5.6	12.0
SG19	06/02/04	0749	14.92	6.40	0.502	2.17	-25.7	12.0
SG20	06/03/04	0915	16.52	6.46	0.344	2.81	198.7	9.1
SG21	06/02/04	1345	17.91	6.79	0.395	4.22	-76.7	21.0
SG22	06/02/04	0900	13.04	6.93	0.360	-0.09	-263.9	21.0
SG23	06/02/04	1110	13.55	6.99	0.210	6.49	284.2	3.9
SG24	06/03/04	1154	18.33	6.64	0.397	0.87	-83.5	195
3MSP01	06/02/04	0930	11.70	6.22	1.372	5.63	60.0	3.5

ºC = degrees Celcius
DO = dissolved oxygen
mg/L = milligrams per liter
mS/cm = millisiemens per centimeter
mV = millivolts
ORP = oxidation-reduction potential
NTU = nephelometric turbidity units
Spec. Cond. = specific conductivity
std = standard units
Temp = temperature

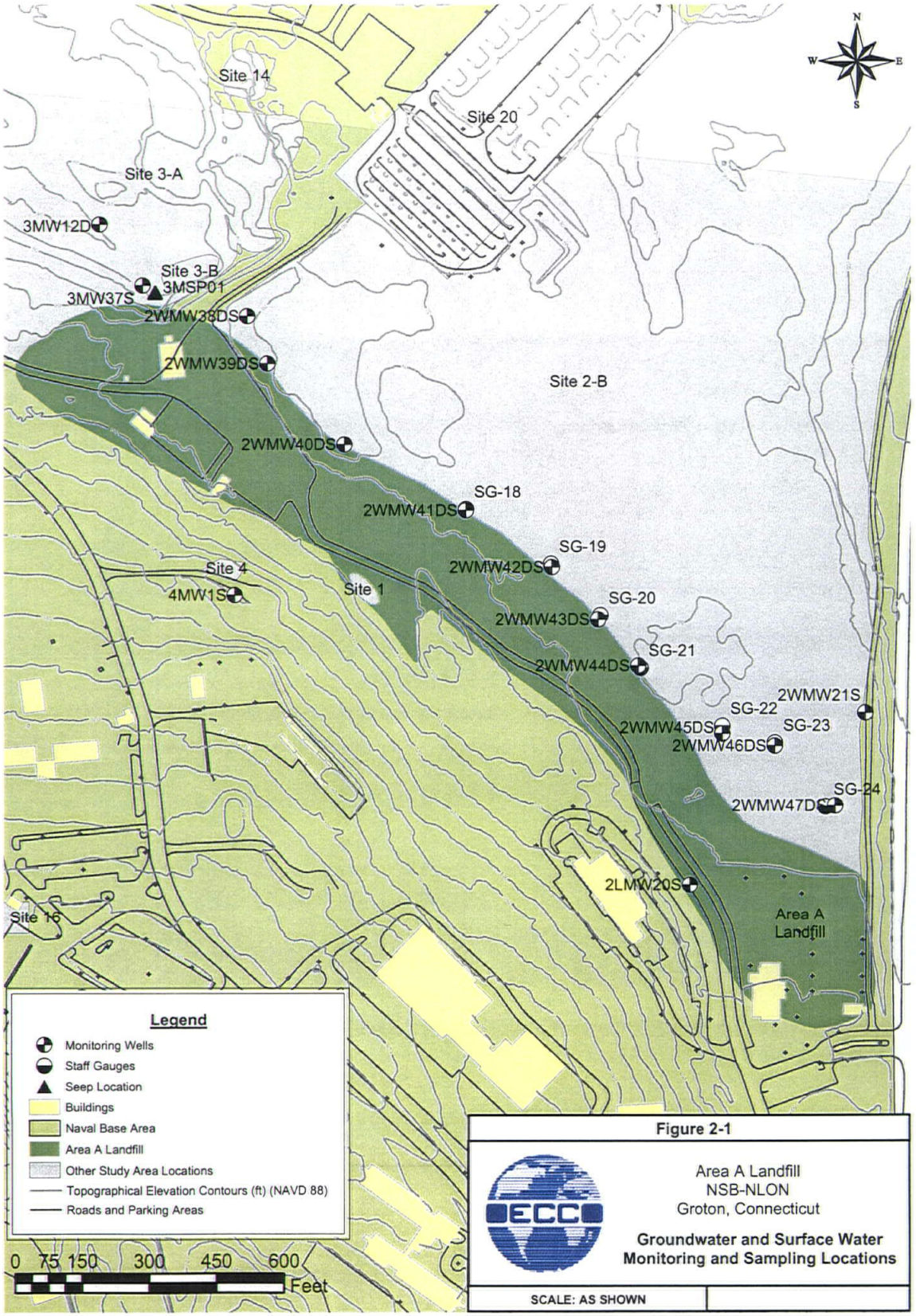


Figure 2-1

Area A Landfill
NSB-NLON
Groton, Connecticut

Groundwater and Surface Water Monitoring and Sampling Locations

SCALE: AS SHOWN

H:\NAVY\New London_NSB\Area A Annual\2004\Round 14\Figures\Maps\Figure 2-1 (GW Mon.)

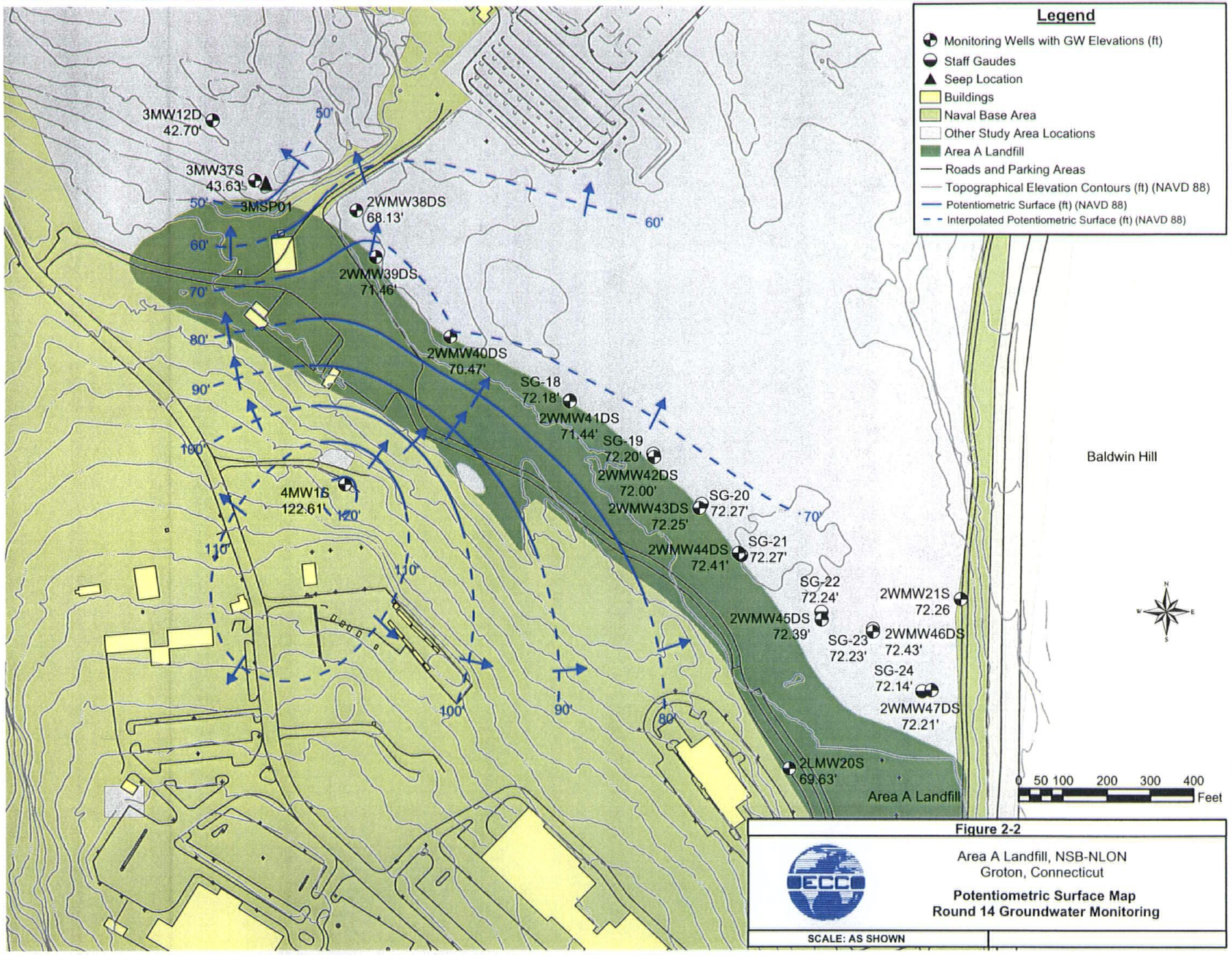


Figure 2-2

Area A Landfill, NSB-NLON
Groton, Connecticut

Potentiometric Surface Map
Round 14 Groundwater Monitoring

SCALE: AS SHOWN

H:\NAVY\New London_NSB\Area A Annual\2004\Round 14\Figures\Maps\Figure 2-2 (Surface Map)

3.0 MONITORING RESULTS

Samples collected from 15 monitoring wells, seven surface water locations, and one seep location were analyzed for select TCL SVOCs, TAL metals (total and dissolved), PAHs, TOC, COD, TDS, TSS, alkalinity, chloride, sulfate, and hardness. Monitoring focused on the following organic and inorganic chemicals of potential concern (COPC), as identified in the GMP (TtNUS, 2002b).

- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Benzo(k)fluoranthene
- Bis(2-ethylhexyl)phthalate
- Phenanthrene
- Arsenic
- Beryllium
- Cadmium
- Chromium
- Copper
- Lead
- Zinc

The Round 14 analytical results for the COPC are summarized in Tables 3-1 and 3-2. Within each table, the analytical results are compared to the primary and secondary monitoring criteria, as established in the original GMP (TtNUS, 1999). Inorganic results are also compared to NSB-NLON background groundwater concentrations as established in the Basewide Groundwater OU RI (TtNUS 2002a). Chemical detections exceeding either primary or secondary monitoring criteria, and/or background concentrations, in the case of the inorganics, are noted by shading. Figure 3-1 presents the COPC detected in groundwater samples that exceed one or more of the criteria. Figure 3-2 displays the COPC detected in seep and surface water samples that exceed one or more of the criteria. A complete list of analytical results, data validation memorandums, and laboratory data sheets are located in Appendix E.

During the extraction of the Round 14 inorganic samples, there were three samples that had to be diluted five fold due to high sodium concentrations: 2WMW40DS, 2WMW45DS, and 2WMW46DS. The reporting limits for these three samples were above the primary and background criteria for arsenic; above the primary criteria for beryllium; and above the secondary for copper and lead. However, each of the laboratory minimum detection level (MDL) was below the corresponding criteria.

Some of the Round 14 samples were qualified with a "J" (J = Estimated Value). Specific reasons for specific sample numbers can be found in the data validation portion of Appendix E. All the samples were determined to be acceptable (usable for making project decisions) by the Project Chemist (see data validation section of Appendix E).

The results of this comparison can be summarized as follows:

- With the exception of a detect value of 0.16 J µg/L for **Phenanthren** (the concentration was below the primary monitoring criteria of 0.3 µg/L) in well 2WMW38S there were no detectable concentrations of SVOCs in any of the monitoring well samples. However, there were detections in the surface water samples.

- **Benzo(a)anthracene** was detected in four of the surface water samples. Only 3MSP01 (0.35 J µg/L) had a detect concentration above the primary monitoring criterion of 0.3 µg/L.

- **Benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene,** and **phenanthrene** were detected in some of the surface water samples; however, none of the concentrations exceeded the primary monitoring criterion of 0.3 µg/L.

- **Bis(2-ethylhexyl)phthalate** was not detected in any of the surface water samples.

- **Total Arsenic** was detected at concentrations exceeding the primary monitoring (4 µg/L) and background (1.92 µg/L) concentrations in monitoring wells 2WMW40DS, 2WMW41DS, 2WMW42DS (and the field duplicate), 2WMW43DS, 2WMW44DS, 2WMW45DS, 2WMW46DS, and 2WMW47DS (and the field duplicate). In monitoring wells 2LMW20S and 2WMW21S the concentrations only exceeded the background level. Wells 2WMW38DS and 3MW12D had detect concentrations that were below all monitoring/background levels.

  For the surface water samples, **Total Arsenic** was detected in all the samples except SG-23. Four of the locations, 3MSP01 (2.1 µg/L), SG-19 (2.9 J µg/L), SG-22 (5.3 µg/L), and SG-24 (44.9 µg/L), had detected levels above the primary monitoring criterion (4 µg/L) and the background concentration (1.92 µg/L).

- **Dissolved Arsenic** was detected at concentrations exceeding the primary monitoring (4 µg/L) and background (2.55 µg/L) concentrations in monitoring wells 2WMW21S, 2WMW40DS, 2WMW42DS (and the field duplicate), 2WMW43DS, 2WMW45DS, 2WMW46DS, and 2WMW47DS (and the field duplicate). In monitoring well 2WMW38DS the concentration only exceeded the background level. Wells 2LMW20S, 2WMW41DS, 2WMW44DS, 3MW12D, and 4MW1S had detect concentrations that were below all monitoring and background levels.

  Dissolved Arsenic was detected in two of the surface water locations: SG-20 and SG-24. Only SG-24, with a concentration of 4.7 µg/L, exceeded the primary and background (2.55 µg/L) limits.

- **Beryllium (total and dissolved)** was not detected in any of the monitoring wells. **Total Beryllium** was, however, detected in one surface water sample: SG-24 had a concentration of 1.1 J µg/L. The concentration of SG-24 was below the primary monitoring limit of 4 µg/L.

- **Total Cadmium** was detected in some of the monitoring wells and surface water samples; however, the detections were below the primary and secondary monitoring criteria.

- **Dissolved Cadmium** was not detected in any of the groundwater or surface water samples.

- **Total Chromium** was detected in every monitoring well except 3MW12D, 3MW37S, and 4MW1S. Four of the monitoring well samples had detections exceeding the secondary monitoring criteria of 11 µg/L: 2WMW40DS (29.1 µg/L), 2WMW41DS (16.2 µg/L), 2WMW42DS (17.6 µg/L), and the field duplicate for 2WMW42DS (15.2 µg/L). The rest of the detect samples did not exceed any of the monitoring/background levels.

  For the surface water samples, total chromium was detected at every location. However, only at location SG-24 (34 µg/L) did the concentration exceed any of the monitoring limits. SG-24 exceeded the secondary monitoring criterion of 11 µg/L.

- **Dissolved Chromium** was detected in every well sample except 3MW12D and 4MW1S. All detections were below the monitoring/background levels.

  Dissolved Chromium was not detected in any of the surface water samples.

- **Total Copper** was detected in every monitoring well sample. Three of the wells had detections that exceeded the secondary monitoring criteria of 4.8 µg/L: 2WMW21S (8.3 µg/L), 2WMW43DS (5.5 µg/L), and 2WMW44DS (6.8 µg/L). All other detections were below the monitoring and background concentrations.

  Total Copper was also detected in every surface water sample. One of the surface water locations had a detect concentration exceeding the primary monitoring criterion (48 µg/L), the secondary monitoring criterion (4.8 µg/L) and the background concentrations (107 µg/L): location SG-24 was 109.9 µg/L. Four of the surface water samples had detections that exceeded the secondary monitoring criteria: 3MSP01 (14.2 µg/L), SG-19 (12.7 µg/L), the field duplicate for SG-19 (5.7 J µg/L) and SG-22 (25.9 µg/L).

- **Dissolved Copper** was detected in many of the monitoring well and surface water samples; however, none of the detections exceeded the primary, secondary, or background concentrations.

- **Total L ad** was detected in most of the groundwater samples; however, the detectable concentrations of each monitoring well did not exceed any of the site monitoring criterion.

  Total Lead was detected in all of the surface water samples. Three of the detections exceeded the concentrations of the primary (13 µg/L), secondary (1.2 µg/L), and background (6.63 µg/L) levels: 3MSP01 was 24 µg/L, SG-22 was 14.5 µg/L, and SG-24 was 70.7 µg/L. Two other locations exceeded only the secondary monitoring criterion, location SG-19 had a concentration of 5.5 J µg/L and SG-21 had a concentration of 3.4 µg/L.

- **Dissolved Lead** was detected in monitoring well 2WMW38DS at a concentration of 0.7 µg/L. The detect concentration was below the primary, secondary, and background concentrations of 13 µg/L, 1.2 µg/L, and 2.52 µg/L, respectively.

  There were no detectable concentrations of **Dissolved Lead** in any of the surface water samples.

- **Total Zinc** was detected in every monitoring well sample. Only monitoring well 2WMW21S had a concentration that exceeded any of the monitoring/background levels. Well 2WMW21S had a concentration of 60.5 µg/L which exceeded the secondary monitoring criteria of 58.2 µg/L.

  Total Zinc was also detected in every surface water sample. Three sample locations exceeded the primary (123 µg/L), secondary (58.2 µg/L), and background (131 µg/L) levels: SG-22, SG-23 and SG-24 were 216.3 µg/L, 134.5 µg/L, and 506.8 µg/L, respectively. Locations 3MSP01 and SG-19 (81.7 and 90.9, respectively), only exceeded the secondary monitoring criterion.

- **Dissolved Zinc** was detected in most of the monitoring wells; however, none of the concentrations exceeded the primary, secondary, or background levels.

  All of the surface water samples had detect values for **Dissolved Zinc**; however, only one of the samples, SG-23 (82.5 µg/L) exceeded the secondary monitoring criterion.

No conclusions or recommendations are drawn from the comparisons at this time. An evaluation of the data from Rounds 14 and 15 will be made in the annual report.

TABLE 3-2
SURFACE WATER ANALYTICAL RESULTS SUMMARY
ROUND 14 - SEMI-ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Chemical	Primary Monitoring Criterion [1]	Secondary Monitoring Criterion	NSB-NLON Background Concentration[4]	3MSP01 Round 14 6/2/2004	SG-18 Round 14 6/2/2004	SG-19 Round 14 6/2/2004	SG-19 (DUP) Round 14 6/2/2004	SG-20 Round 14 6/3/2004	SG-21 Round 14 6/2/2004	SG-22 Round 14 6/2/2004	SG-23 Round 14 6/2/2004	SG-24 Round 14 6/3/2004
SVOCs (µg/L)												
BENZO(A)ANTHRACENE	0.3	NA	--	**0.35 J**	0.2 UJ	**0.065 J**	0.2 UJ	0.2 UJ	0.2 UJ	**0.094 J**	0.2 UJ	**0.12 J**
BENZO(A)PYRENE	0.3	NA	--	**0.23**	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	**0.089 J**	0.2 U	**0.084 J**
BENZO(B)FLUORANTHENE	0.3	NA	--	**0.14 J**	0.2 UJ	0.2 UJ	0.2 UJ	0.2 U	0.2 UJ	0.2 UJ	0.2 UJ	**0.1 J**
BENZO(K)FLUORANTHENE	0.3	NA	--	**0.14 J**	0.2 UJ	**0.11 J**	0.2 UJ	0.2 U	0.2 UJ	**0.1 J**	0.2 UJ	**0.19 J**
BIS(2-ETHYLHEXYL)PHTHALATE	59	NA	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
PHENANTHRENE	0.3	NA	--	**0.27 J**	0.2 UJ	**0.081 J**	0.2 UJ	0.2 U	**0.11 J**	**0.08 J**	0.2 UJ	**0.095 J**
Inorganics (Total) (µg/L)												
ARSENIC	4	150[2]	1.92	**2.1**	**0.77 J**	**2.9 J**	**1.6 J**	**0.51 J**	**0.88 J**	**5.3**	1 U	**44.9**
BERYLLIUM	4	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**1.1 J**
CADMIUM	6	0.62[3][4]	NA	**0.3**	0.1 U	**0.2 J**	0.1 UJ	0.1 U	0.1 U	0.2	0.1 U	**0.5**
CHROMIUM	110	11[2]	49.9	**3.6**	**0.72 J**	**2**	**1.3**	**0.6 J**	**0.92 J**	**5.3**	**0.39 J**	**34**
COPPER	48	4.8[3][4]	107	**14.2**	**2**	**12.7 J**	**6.7 J**	**1.3**	**2**	**25.9**	**1.5**	**103.9**
LEAD	13	1.2[3][4]	6.63	**24**	**0.4 J**	**5.5 J**	**2.2 J**	**0.6**	**3.4**	**14.5**	**0.44 J**	**19.7**
ZINC	123	58.2[3]	131	**81.7**	**23.4**	**90.9**	**38.7 J**	**24.1**	**29.3**	**216.3**	**134.5**	**596.8**
Inorganics (Dissolv d) (µg/L)												
ARSENIC	4	150[2]	2.55	1 U	5 U	1 U	1 U	**0.26 J**	1 U	1 U	1 U	**4.7**
BERYLLIUM	4	NA	NA	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CADMIUM	6	0.62[3][4]	NA	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
CHROMIUM	110	11[2]	16	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
COPPER	48	4.8[3][4]	39.4	**1.3**	5 U	**0.39 J**	**0.28 J**	**0.37 J**	**0.4 J**	**0.43 J**	**0.34 J**	**0.4 J**
LEAD	13	1.2[3][4]	2.52	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
ZINC	123	58.2[3]	109	**27.9**	**3.93 J**	**6.9**	**5.9**	**6.6 J**	**6.3**	**18.6**	**82.5**	**9.3 J**

NOTES:
Bold type denotes analyte detection.
Shaded boxes denote exceedances of primary or secondary monitoring criterion and/or background groundwater concentrations.

1 Surface Water Protection Criteria for substances in groundwater. (CTDEP, January 1996)
2 Federal Ambient Water Quality Criteria for protection of aquatic life (chronic, freshwater). (USEPA, 1999)
3 Connecticut Water Quality Criteria for protection of human health from consumption of organisms. (CTDEP, 1997)
4 The reporting limit from the laboratory exceeds the secondary monitoring criterion for this compound.
5 Background Concentrations taken from Basewide Groundwater Operable Unit Remedial Investigation Report (TtNUS, January 2002)

J Estimated Value
R Rejected Value
U Undetected
NA Not Available
ND Not Detected in background samples
-- Not analyzed for in background samples.

TABLE 3-1
GROUNDWATER ANALYTICAL RESULTS SUMMARY
ROUND 14 - SEMI-ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Chemical	Primary Monitoring Criterion [1]	Secondary Monitoring Criterion	NSB-NLON Background Concentration [4]	2WMW43DS Round 14 6/3/2004	2WMW44DS Round 14 6/2/2004	2WMW45DS Round 14 6/2/2004	2WMW46DS R und 14 6/2/2004	2WMW47DS Round 14 6/3/2004	2WMW47DS (DUP) Round 14 6/3/2004	3MW12D Round 14 6/2/2004	3MW37S Round 14 6/2/2004	4MW1S Round 14 6/2/2004
SVOCs (µg/L)												
BENZO(A)ANTHRACENE	0.3	NA	--	0.2 UJ	0.2 U	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ
BENZO(A)PYRENE	0.3	NA	--	0.2 UJ	0.2 U	0.2 UJ	0.2 U	0.2 UJ	0.2 UJ	0.2 U	0.2 U	0.2 UJ
BENZO(B)FLUORANTHENE	0.3	NA	--	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U
BENZO(K)FLUORANTHENE	0.3	NA	--	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U
BIS(2-ETHYLHEXYL)PHTHALATE	59	NA	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
PHENANTHRENE	0.3	NA	--	0.2 U	0.2 UJ	0.2 UJ	0.2 UJ	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U
Inorganics (Total) (µg/L)												
ARSENIC	4	150 [2]	1.92	**7**	**4.2**	**8.8**	**25.2**	**34.7**	**35.2**	**0.8 J**	1 U	1 U
BERYLLIUM	4	NA	NA	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
CADMIUM	6	0.62[3][4]	NA	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.1 U	**0.2**	**0.1**
CHROMIUM	110	11[2]	49.9	**6.9**	**6.4**	**8**	**10.6**	**2.3**	**2.7**	1 U	0.1 U	1 U
COPPER	48	4.8[3][4]	107	**5.5**	**6.8**	**1.08 J**	**2.2 J**	**1.2**	**1.3**	**0.55 J**	**2.2**	**0.68 J**
LEAD	13	1.2[3][4]	6.63	0.5 U	**0.9**	2.5 U	2.5 U	**0.28 J**	**0.9 J**	0.5 U	0.5 U	0.5 U
ZINC	123	58.2[3]	131	**21.1**	**42**	**15.14 J**	**33.3**	**3.77 J**	**43.1 J**	**3.26 J**	**2.69 J**	**5.3**
Inorganics (Dissolv d) (µg/L)												
ARSENIC	4	150 [2]	2.55	**7.9**	**1.8**	**9.9**	**22.6**	**34.5**	**32.6**	**0.78 J**	1 U	**0.04 J**
BERYLLIUM	4	NA	NA	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
CADMIUM	6	0.62[3][4]	NA	1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
CHROMIUM	110	11[2]	16	**6.3**	**1.9**	**4.54 J**	**8.2**	**0.82 J**	**0.78 J**	1 U	**0.31 J**	1 U
COPPER	48	4.8[3][4]	39.4	**0.76 J**	**0.3 J**	5 U	**1.11 J**	1 U	1 U	**0.26 J**	**1.6**	**0.68 J**
LEAD	13	1.2[3][4]	2.52	0.5 UJ	0.5 U	2.5 U	2.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
ZINC	123	58.2[3]	109	**2.29 J**	**1.4 J**	**4.74 J**	**25 U**	**4.87 J**	**1.41 J**	**3.91 J**	5 U	**5.6 J**

NOTES:

Bold type denotes analyte detection.

Shaded boxes denote exceedances of primary or secondary monitoring criterion and/or background groundwater concentrations.

1 SWPC for substances in groundwater. (CTDEP, January 1996)
2 Federal AWQC for protection of aquatic life (chronic, freshwater). (USEPA, 1999)
3 Connecticut WQC for protection of human health from consumption of organisms. (CTDEP, 1997)
4 The reporting limit from the laboratory exceeds the secondary monitoring criterion for this compound.
5 Background concentrations taken from Basewide Groundwater Operable Unit Remedial Investigation

J Estimated Value
R Rejected Value
U Undetected
NA Not Available
ND Not Detected in background samples
-- Not analyzed for in background samples.

TABLE 3-1
GROUNDWATER ANALYTICAL RESULTS SUMMARY
ROUND 14 - SEMI-ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Chemical	Primary Monitoring Criterion [1]	Secondary Monitoring Criterion	NSB-NLON Background Concentration[4]	2LMW20S Round 14 6/3/2004	2WMW21S Round 14 6/3/2004	2WMW38DS Round 14 6/3/2004	2WMW39DS Round 14 6/1/2004	2WMW40DS Round 14 6/1/2004	2WMW41DS Round 14 6/2/2004	2WMW42DS Round 14 6/2/2004	2WMW42DS (DUP) Round 14 6/2/2004
SVOCs (µg/L)											
BENZO(A)ANTHRACENE	0.3	NA	--	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 U	0.2 U	0.2 U
BENZO(A)PYRENE	0.3	NA	--	0.2 UJ	0.2 UJ	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
BENZO(B)FLUORANTHENE	0.3	NA	--	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U	0.2 U	0.2 U
BENZO(K)FLUORANTHENE	0.3	NA	--	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U	0.2 U	0.2 U
BIS(2-ETHYLHEXYL)PHTHALATE	59	NA	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
PHENANTHRENE	0.3	NA	--	0.2 U	0.2 U	**0.16 J**	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ
Inorganics (Total) (µg/L)											
ARSENIC	4	150 [2]	1.92	**2.9**	**3.3**	**1.6**	1 U	**14.1**	**4.1**	**4.7**	**4.1**
BERYLLIUM	4	NA	NA	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
CADMIUM	6	0.62[3][4]	NA	**0.2**	2 U	**0.08 J**	0.1 U	0.5 U	0.5 U	0.5 U	0.5 U
CHROMIUM	110	11[2]	49.9	**1.4**	**6.8**	**3.1**	**0.94 J**	**29.1**	**16.2**	**17.6**	**15.2**
COPPER	48	4.8[3][4]	107	**3.5**	**8.3**	**2.6**	**0.29 J**	**3.06 J**	**3.7**	**3.2**	**3.2**
LEAD	13	1.2[3][4]	6.63	**1.1**	**1**	**1**	0.5 U	2.5 U	**0.8**	**0.32 J**	**0.32 J**
ZINC	123	58.2[3]	131	**43.4**	**60.5**	**46.5**	**2.89 J**	**32.6**	**28.5**	**14.5**	**14.6**
Inorganics (Dissolved) (µg/L)											
ARSENIC	4	150 [2]	2.55	**2.2**	**6.7**	**2.7**	1 U	**10.7**	**2.5**	**5.5**	**4.3**
BERYLLIUM	4	NA	NA	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
CADMIUM	6	0.62[3][4]	NA	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U
CHROMIUM	110	11[2]	16	**0.56 J**	**6.5**	**1.2**	**0.38 J**	**3.77 J**	**9.1**	**7.6**	**7.6**
COPPER	48	4.8[3][4]	39.4	**0.27 J**	**0.97 J**	**0.81 J**	**0.2 J**	5 U	**3.2**	**0.46 J**	**0.4 J**
LEAD	13	1.2[3][4]	2.52	0.5 U	0.5 U	**0.7**	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U
ZINC	123	58.2[3]	109	**26.7 J**	**3.44 J**	**3.24 J**	5 U	25 U	**3.48 J**	**3.49 J**	**4.8 J**

NOTES:
Bold type denotes analyte detection.
Shaded boxes denote exceedances of primary or secondary monitoring criterion and/or background groundwater concentrations.

1 SWPC for substances in groundwater. (CTDEP, January 1996)
2 Federal AWQC for protection of aquatic life (chronic, freshwater). (USEPA, 1999)
3 Connecticut WQC for protection of human health from consumption of organisms. (CTDEP, 1997)
4 The reporting limit from the laboratory exceeds the secondary monitoring criterion for this compound.
5 Background concentrations taken from Basewide Groundwater Operable Unit Remedial Investigation Report (TtNUS, 2002a)

J Estimated Value
R Rejected Value
U Undetected
NA Not Available
ND Not Detected in background samples
-- Not analyzed for in background samples.

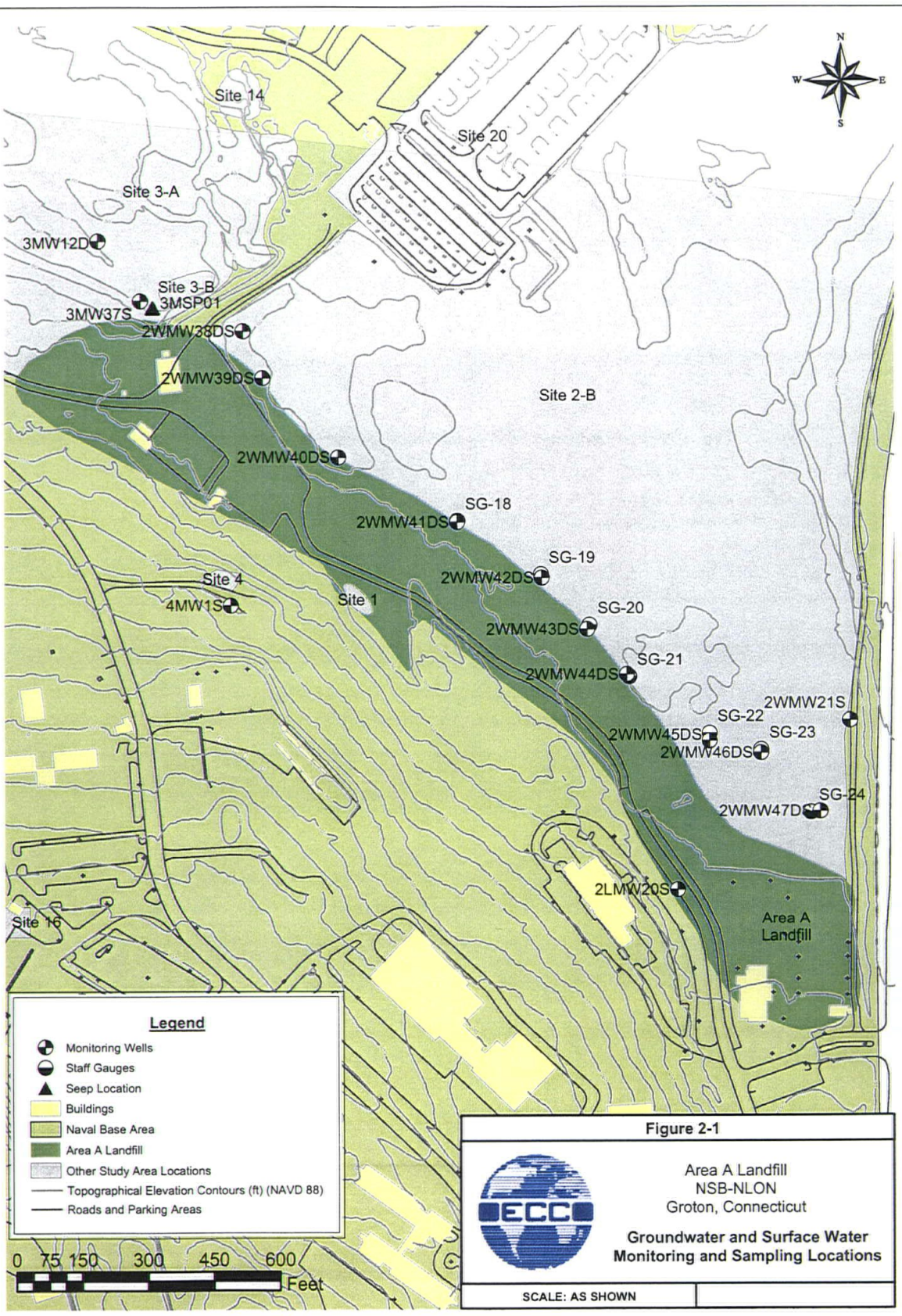


Figure 2-1

Area A Landfill
NSB-NLON
Groton, Connecticut

Groundwater and Surface Water Monitoring and Sampling Locations

SCALE: AS SHOWN

H:\NAVY\New London_NSB\Area A Annual\2004\Round 14\Figures\Maps\Figure 2-1 (GW Mon.)

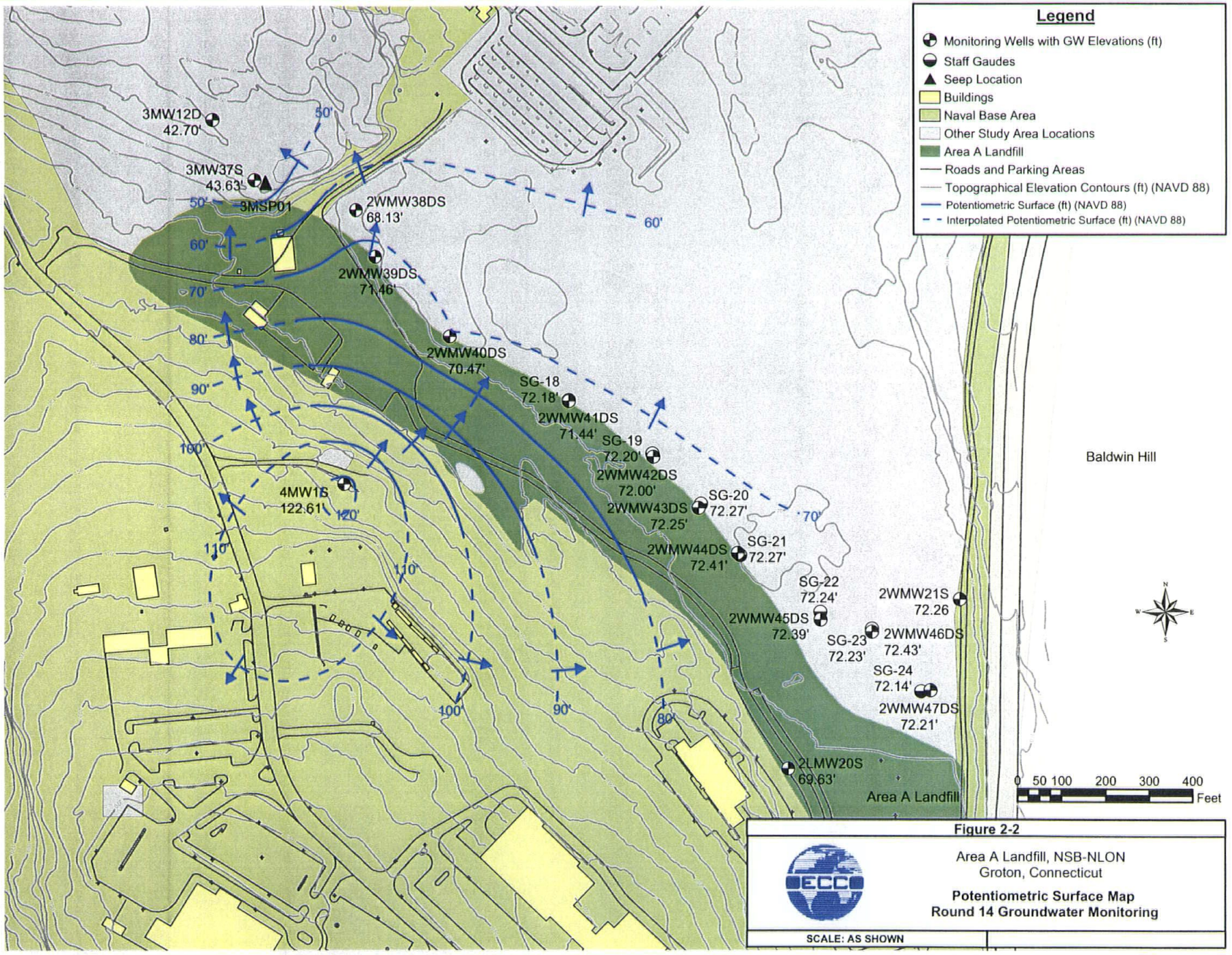


Figure 2-2

Area A Landfill, NSB-NLON
Groton, Connecticut

Potentiometric Surface Map
Round 14 Groundwater Monitoring

SCALE: AS SHOWN

H:\NAVY\New London_NSB\Area A Annual\2004\Round 14\Figures\Maps\Figure 2-2 (Surface Map)

3.0 MONITORING RESULTS

Samples collected from 15 monitoring wells, seven surface water locations, and one seep location were analyzed for select TCL SVOCs, TAL metals (total and dissolved), PAHs, TOC, COD, TDS, TSS, alkalinity, chloride, sulfate, and hardness. Monitoring focused on the following organic and inorganic chemicals of potential concern (COPC), as identified in the GMP (TtNUS, 2002b).

- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Benzo(k)fluoranthene
- Bis(2-ethylhexyl)phthalate
- Phenanthrene
- Arsenic
- Beryllium
- Cadmium
- Chromium
- Copper
- Lead
- Zinc

The Round 14 analytical results for the COPC are summarized in Tables 3-1 and 3-2. Within each table, the analytical results are compared to the primary and secondary monitoring criteria, as established in the original GMP (TtNUS, 1999). Inorganic results are also compared to NSB-NLON background groundwater concentrations as established in the Basewide Groundwater OU RI (TtNUS 2002a). Chemical detections exceeding either primary or secondary monitoring criteria, and/or background concentrations, in the case of the inorganics, are noted by shading. Figure 3-1 presents the COPC detected in groundwater samples that exceed one or more of the criteria. Figure 3-2 displays the COPC detected in seep and surface water samples that exceed one or more of the criteria. A complete list of analytical results, data validation memorandums, and laboratory data sheets are located in Appendix E.

During the extraction of the Round 14 inorganic samples, there were three samples that had to be diluted five fold due to high sodium concentrations: 2WMW40DS, 2WMW45DS, and 2WMW46DS. The reporting limits for these three samples were above the primary and background criteria for arsenic; above the primary criteria for beryllium; and above the secondary for copper and lead. However, each of the laboratory minimum detection level (MDL) was below the corresponding criteria.

Some of the Round 14 samples were qualified with a "J" (J = Estimated Value). Specific reasons for specific sample numbers can be found in the data validation portion of Appendix E. All the samples were determined to be acceptable (usable for making project decisions) by the Project Chemist (see data validation section of Appendix E).

The results of this comparison can be summarized as follows:

- With the exception of a detect value of 0.16 J µg/L for **Phenanthrene** (the concentration was below the primary monitoring criteria of 0.3 µg/L) in well 2WMW38S there were no detectable concentrations of SVOCs in any of the monitoring well samples. However, there were detections in the surface water samples.

- **Benzo(a)anthracene** was detected in four of the surface water samples. Only 3MSP01 (0.35 J µg/L) had a detect concentration above the primary monitoring criterion of 0.3 µg/L.

- **Benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene,** and **phenanthrene** were detected in some of the surface water samples; however, none of the concentrations exceeded the primary monitoring criterion of 0.3 µg/L.

- **Bis(2-ethylhexyl)phthalate** was not detected in any of the surface water samples.

- **Total Arsenic** was detected at concentrations exceeding the primary monitoring (4 µg/L) and background (1.92 µg/L) concentrations in monitoring wells 2WMW40DS, 2WMW41DS, 2WMW42DS (and the field duplicate), 2WMW43DS, 2WMW44DS, 2WMW45DS, 2WMW46DS, and 2WMW47DS (and the field duplicate). In monitoring wells 2LMW20S and 2WMW21S the concentrations only exceeded the background level. Wells 2WMW38DS and 3MW12D had detect concentrations that were below all monitoring/background levels.

  For the surface water samples, **Total Arsenic** was detected in all the samples except SG-23. Four of the locations, 3MSP01 (2.1 µg/L), SG-19 (2.9 J µg/L), SG-22 (5.3 µg/L), and SG-24 (44.9 µg/L), had detected levels above the primary monitoring criterion (4 µg/L) and the background concentration (1.92 µg/L).

- **Dissolved Arsenic** was detected at concentrations exceeding the primary monitoring (4 µg/L) and background (2.55 µg/L) concentrations in monitoring wells 2WMW21S, 2WMW40DS, 2WMW42DS (and the field duplicate), 2WMW43DS, 2WMW45DS, 2WMW46DS, and 2WMW47DS (and the field duplicate). In monitoring well 2WMW38DS the concentration only exceeded the background level. Wells 2LMW20S, 2WMW41DS, 2WMW44DS, 3MW12D, and 4MW1S had detect concentrations that were below all monitoring and background levels.

  Dissolved Arsenic was detected in two of the surface water locations: SG-20 and SG-24. Only SG-24, with a concentration of 4.7 µg/L, exceeded the primary and background (2.55 µg/L) limits.

- **Beryllium (total and dissolved)** was not detected in any of the monitoring wells. **Total Beryllium** was, however, detected in one surface water sample: SG-24 had a concentration of 1.1 J µg/L. The concentration of SG-24 was below the primary monitoring limit of 4 µg/L.

- **Total Cadmium** was detected in some of the monitoring wells and surface water samples; however, the detections were below the primary and secondary monitoring criteria.

- **Dissolved Cadmium** was not detected in any of the groundwater or surface water samples.

- **Total Chromium** was detected in every monitoring well except 3MW12D, 3MW37S, and 4MW1S. Four of the monitoring well samples had detections exceeding the secondary monitoring criteria of 11 µg/L: 2WMW40DS (29.1 µg/L), 2WMW41DS (16.2 µg/L), 2WMW42DS (17.6 µg/L), and the field duplicate for 2WMW42DS (15.2 µg/L). The rest of the detect samples did not exceed any of the monitoring/background levels.

  For the surface water samples, total chromium was detected at every location. However, only at location SG-24 (34 µg/L) did the concentration exceed any of the monitoring limits. SG-24 exceeded the secondary monitoring criterion of 11 µg/L.

- **Dissolved Chromium** was detected in every well sample except 3MW12D and 4MW1S. All detections were below the monitoring/background levels.

  Dissolved Chromium was not detected in any of the surface water samples.

- **Total Copper** was detected in every monitoring well sample. Three of the wells had detections that exceeded the secondary monitoring criteria of 4.8 µg/L: 2WMW21S (8.3 µg/L), 2WMW43DS (5.5 µg/L), and 2WMW44DS (6.8 µg/L). All other detections were below the monitoring and background concentrations.

  Total Copper was also detected in every surface water sample. One of the surface water locations had a detect concentration exceeding the primary monitoring criterion (48 µg/L), the secondary monitoring criterion (4.8 µg/L) and the background concentrations (107 µg/L): location SG-24 was 109.9 µg/L. Four of the surface water samples had detections that exceeded the secondary monitoring criteria: 3MSP01 (14.2 µg/L), SG-19 (12.7 µg/L), the field duplicate for SG-19 (5.7 J µg/L) and SG-22 (25.9 µg/L).

- **Dissolved Copper** was detected in many of the monitoring well and surface water samples; however, none of the detections exceeded the primary, secondary, or background concentrations.

- **Total Lead** was detected in most of the groundwater samples; however, the detectable concentrations of each monitoring well did not exceed any of the site monitoring criterion.

  Total Lead was detected in all of the surface water samples. Three of the detections exceeded the concentrations of the primary (13 µg/L), secondary (1.2 µg/L), and background (6.63 µg/L) levels: 3MSP01 was 24 µg/L, SG-22 was 14.5 µg/L, and SG-24 was 70.7 µg/L. Two other locations exceeded only the secondary monitoring criterion, location SG-19 had a concentration of 5.5 J µg/L and SG-21 had a concentration of 3.4 µg/L.

- **Dissolved Lead** was detected in monitoring well 2WMW38DS at a concentration of 0.7 µg/L. The detect concentration was below the primary, secondary, and background concentrations of 13 µg/L, 1.2 µg/L, and 2.52 µg/L, respectively.

  There were no detectable concentrations of **Dissolved Lead** in any of the surface water samples.

- **Total Zinc** was detected in every monitoring well sample. Only monitoring well 2WMW21S had a concentration that exceeded any of the monitoring/background levels. Well 2WMW21S had a concentration of 60.5 µg/L which exceeded the secondary monitoring criteria of 58.2 µg/L.

  Total Zinc was also detected in every surface water sample. Three sample locations exceeded the primary (123 µg/L), secondary (58.2 µg/L), and background (131 µg/L) levels: SG-22, SG-23 and SG-24 were 216.3 µg/L, 134.5 µg/L, and 506.8 µg/L, respectively. Locations 3MSP01 and SG-19 (81.7 and 90.9, respectively), only exceeded the secondary monitoring criterion.

- **Dissolved Zinc** was detected in most of the monitoring wells; however, none of the concentrations exceeded the primary, secondary, or background levels.

  All of the surface water samples had detect values for **Dissolved Zinc**; however, only one of the samples, SG-23 (82.5 µg/L) exceeded the secondary monitoring criterion.

No conclusions or recommendations are drawn from the comparisons at this time. An evaluation of the data from Rounds 14 and 15 will be made in the annual report.

TABLE 3-2
SURFACE WATER ANALYTICAL RESULTS SUMMARY
ROUND 14 - SEMI-ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Chemical	Primary Monitoring Criterion [1]	Secondary Monitoring Criterion	NSB-NLON Background Concentration [4]	3MSP01 Round 14 6/2/2004	SG-18 Round 14 6/2/2004	SG-19 Round 14 6/2/2004	SG-19 (DUP) Round 14 6/2/2004	SG-20 Round 14 6/3/2004	SG-21 Round 14 6/2/2004	SG-22 Round 14 6/2/2004	SG-23 Round 14 6/2/2004	SG-24 Round 14 6/3/2004
SVOCs (µg/L)												
BENZO(A)ANTHRACENE	0.3	NA	--	**0.35 J**	0.2 UJ	**0.065 J**	0.2 UJ	0.2 UJ	0.2 UJ	**0.094 J**	0.2 UJ	**0.12 J**
BENZO(A)PYRENE	0.3	NA	--	**0.23**	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	**0.089 J**	0.2 U	**0.084 J**
BENZO(B)FLUORANTHENE	0.3	NA	--	**0.14 J**	0.2 UJ	0.2 UJ	0.2 UJ	0.2 U	0.2 UJ	0.2 UJ	0.2 UJ	**0.1 J**
BENZO(K)FLUORANTHENE	0.3	NA	--	**0.14 J**	0.2 UJ	**0.11 J**	0.2 UJ	0.2 U	0.2 UJ	**0.1 J**	0.2 UJ	**0.19 J**
BIS(2-ETHYLHEXYL)PHTHALATE	59	NA	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
PHENANTHRENE	0.3	NA	--	**0.27 J**	0.2 UJ	**0.081 J**	0.2 UJ	0.2 U	**0.11 J**	**0.08 J**	0.2 UJ	**0.095 J**
In rganics (Total) (µg/L)												
ARSENIC	4	150[2]	1.92	**2.1**	**0.77 J**	**2.9 J**	**1.6 J**	**0.51 J**	**0.88 J**	**5.3**	1 U	**44.9**
BERYLLIUM	4	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**1.1 J**
CADMIUM	6	0.62[3][4]	NA	**0.3**	0.1 U	**0.2 J**	0.1 UJ	0.1 U	0.1 U	0.2	0.1 U	**0.5**
CHROMIUM	110	11[2]	49.9	**3.6**	**0.72 J**	**2**	**1.3**	**0.6 J**	**0.92 J**	**5.3**	**0.39 J**	**34**
COPPER	48	4.8[3][4]	107	**14.2**	**2**	**12.7 J**	**5.7 J**	**1.3**	**2**	**25.9**	**1.5**	**109.9**
LEAD	13	1.2[3][4]	6.63	**24**	**0.4 J**	**5.5 J**	**2.2 J**	**0.6**	**3.4**	**14.5**	**0.44 J**	**70.7**
ZINC	123	58.2[3]	131	**81.7**	**23.4**	**90.9**	**38.7 J**	**24.1**	**29.3**	**216.3**	**134.5**	**506.8**
In rganics (Dissolved) (µg/L)												
ARSENIC	4	150[2]	2.55	1 U	5 U	1 U	1 U	**0.26 J**	1 U	1 U	1 U	**4.7**
BERYLLIUM	4	NA	NA	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CADMIUM	6	0.62[3][4]	NA	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
CHROMIUM	110	11[2]	16	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
COPPER	48	4.8[3][4]	39.4	**1.3**	5 U	**0.39 J**	**0.28 J**	**0.37 J**	**0.4 J**	**0.43 J**	**0.34 J**	**0.4 J**
LEAD	13	1.2[3][4]	2.52	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
ZINC	123	58.2[3]	109	**27.9**	**3.93 J**	**6.9**	**5.9**	**6.6 J**	**6.3**	**18.6**	**82.5**	**9.3 J**

NOTES:
Bold type denotes analyte detection.
Shaded boxes denote exceedances of primary or secondary monitoring criterion and/or background groundwater concentrations.

1 Surface Water Protection Criteria for substances in groundwater. (CTDEP, January 1996)
2 Federal Ambient Water Quality Criteria for protection of aquatic life (chronic, freshwater). (USEPA, 1999)
3 Connecticut Water Quality Criteria for protection of human health from consumption of organisms. (CTDEP, 1997)
4 The reporting limit from the laboratory exceeds the secondary monitoring criterion for this compound.
5 Background Concentrations taken from Basewide Groundwater Operable Unit Remedial Investigation Report (TtNUS, January 2002)

J Estimated Value
R Rejected Value
U Undetected
NA Not Available
ND Not Detected in background samples
-- Not analyzed for in background samples.

TABLE 3-1
GROUNDWATER ANALYTICAL RESULTS SUMMARY
ROUND 14 - SEMI-ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Chemical	Primary Monitoring Criterion [1]	Secondary Monitoring Criterion	NSB-NLON Background Concentration[4]	2WMW43DS Round 14 6/3/2004	2WMW44DS Round 14 6/2/2004	2WMW45DS Round 14 6/2/2004	2WMW46DS Round 14 6/2/2004	2WMW47DS Round 14 6/3/2004	2WMW47DS (DUP) Round 14 6/3/2004	3MW12D Round 14 6/2/2004	3MW37S Round 14 6/2/2004	4MW1S Round 14 6/2/2004
SVOCs (µg/L)												
BENZO(A)ANTHRACENE	0.3	NA	--	0.2 UJ	0.2 U	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ
BENZO(A)PYRENE	0.3	NA	--	0.2 UJ	0.2 U	0.2 UJ	0.2 U	0.2 UJ	0.2 UJ	0.2 U	0.2 U	0.2 UJ
BENZO(B)FLUORANTHENE	0.3	NA	--	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U
BENZO(K)FLUORANTHENE	0.3	NA	--	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U
BIS(2-ETHYLHEXYL)PHTHALATE	59	NA	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
PHENANTHRENE	0.3	NA	--	0.2 U	0.2 UJ	0.2 UJ	0.2 UJ	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U
Inorganics (Total) (µg/L)												
ARSENIC	4	150 [2]	1.92	**7**	**4.2**	**8.8**	**25.2**	**34.7**	**35.2**	**0.8 J**	1 U	1 U
BERYLLIUM	4	NA	NA	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
CADMIUM	6	0.62[3][4]	NA	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.1 U	**0.2**	**0.1**
CHROMIUM	110	11[2]	49.9	**6.9**	**6.4**	**8**	**10.6**	**2.3**	**2.7**	1 U	0.1 U	1 U
COPPER	48	4.8[3][4]	107	**5.5**	**6.8**	**1.08 J**	**2.2 J**	**1.2**	**1.3**	**0.55 J**	**2.2**	**0.68 J**
LEAD	13	1.2[3][4]	6.63	0.5 U	**0.9**	2.5 U	2.5 U	**0.28 J**	**0.9 J**	0.5 U	0.5 U	0.5 U
ZINC	123	58.2[3]	131	**21.1**	**42**	**15.14 J**	**33.3**	**3.77 J**	**43.1 J**	**3.26 J**	**2.69 J**	**5.3**
Inorganics (Dissolved) (µg/L)												
ARSENIC	4	150 [2]	2.55	**7.9**	**1.8**	**9.9**	**22.6**	**34.5**	**32.6**	**0.78 J**	1 U	**0.04 J**
BERYLLIUM	4	NA	NA	1 U	1 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
CADMIUM	6	0.62[3][4]	NA	1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
CHROMIUM	110	11[2]	16	**6.3**	**1.9**	**4.54 J**	**8.2**	**0.82 J**	**0.78 J**	1 U	**0.31 J**	1 U
COPPER	48	4.8[3][4]	39.4	**0.76 J**	**0.3 J**	5 U	**1.11 J**	1 U	1 U	**0.26 J**	**1.6**	**0.68 J**
LEAD	13	1.2[3][4]	2.52	0.5 UJ	0.5 U	2.5 U	2.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
ZINC	123	58.2[3]	109	**2.29 J**	**1.4 J**	**4.74 J**	**25 U**	**4.87 J**	**1.41 J**	**3.91 J**	5 U	**5.6 J**

NOTES:
Bold type denotes analyte detection.
Shaded boxes denote exceedances of primary or secondary monitoring criterion and/or background groundwater concentrations.

1 SWPC for substances in groundwater. (CTDEP, January 1996)
2 Federal AWQC for protection of aquatic life (chronic, freshwater). (USEPA, 1999)
3 Connecticut WQC for protection of human health from consumption of organisms. (CTDEP, 1997)
4 The reporting limit from the laboratory exceeds the secondary monitoring criterion for this compound.
5 Background concentrations taken from Basewide Groundwater Operable Unit Remedial Investigation

J Estimated Value
R Rejected Value
U Undetected
NA Not Available
ND Not Detected in background samples
-- Not analyzed for in background samples.

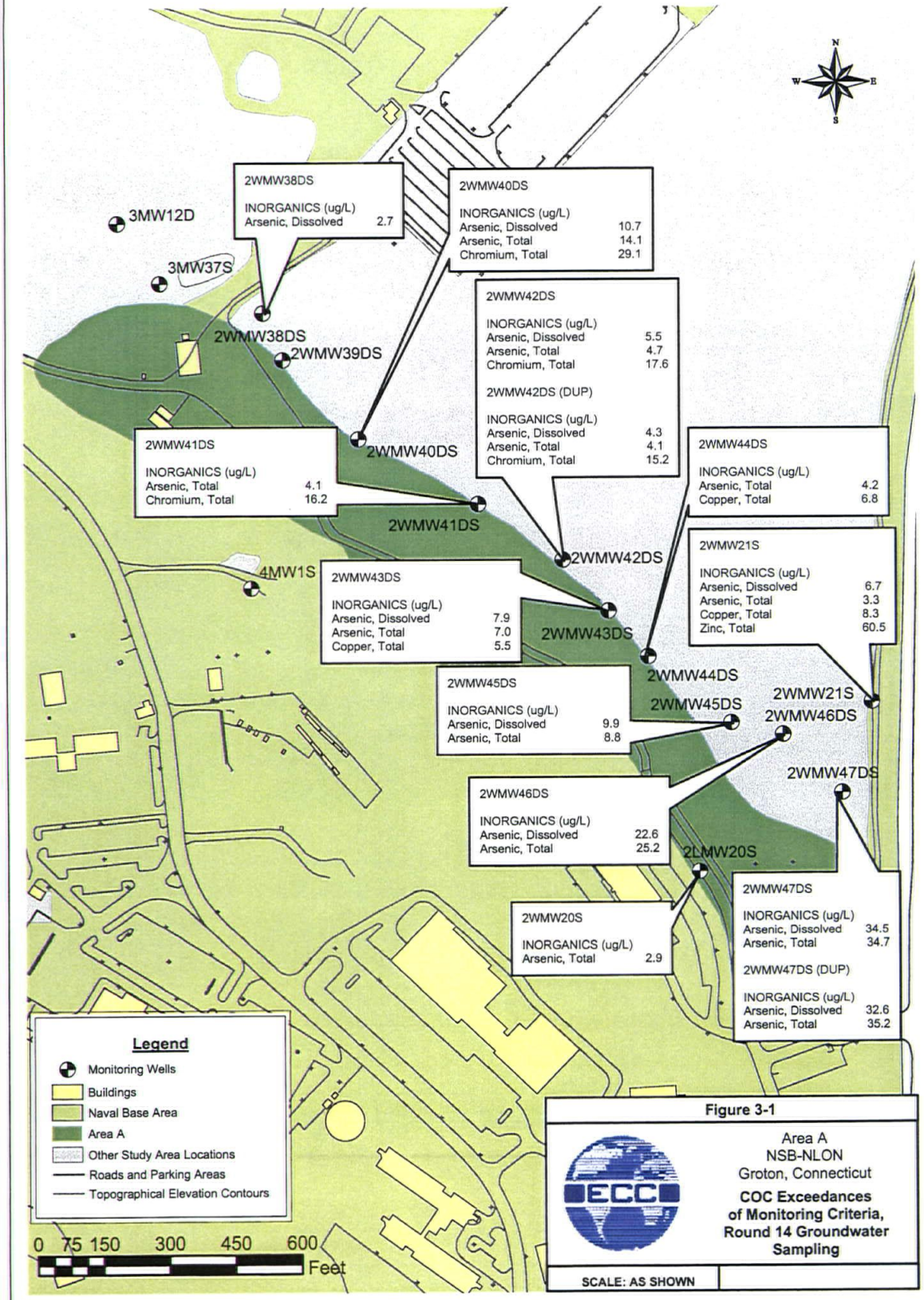
TABLE 3-1
GROUNDWATER ANALYTICAL RESULTS SUMMARY
ROUND 14 - SEMI-ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Chemical	Primary Monitoring Criterion (1)	Secondary Monitoring Criterion	NSB-NLON Background Concentration(4)	2LMW20S Round 14 6/3/2004	2WMW21S Round 14 6/3/2004	2WMW38DS Round 14 6/3/2004	2WMW39DS Round 14 6/1/2004	2WMW40DS Round 14 6/1/2004	2WMW41DS R und 14 6/2/2004	2WMW42DS Round 14 6/2/2004	2WMW42DS (DUP) Round 14 6/2/2004
SVOCs (µg/L)											
BENZO(A)ANTHRACENE	0.3	NA	--	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 U	0.2 U	0.2 U
BENZO(A)PYRENE	0.3	NA	--	0.2 UJ	0.2 UJ	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
BENZO(B)FLUORANTHENE	0.3	NA	--	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U	0.2 U	0.2 U
BENZO(K)FLUORANTHENE	0.3	NA	--	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U	0.2 U	0.2 U
BIS(2-ETHYLHEXYL)PHTHALATE	59	NA	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
PHENANTHRENE	0.3	NA	--	0.2 U	0.2 U	**0.16 J**	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ
Inorganics (Total) (µg/L)											
ARSENIC	4	150 (2)	1.92	**2.9**	**3.3**	**1.6**	1 U	**14.1**	**4.1**	**4.7**	**4.1**
BERYLLIUM	4	NA	NA	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
CADMIUM	6	0.62(3)(4)	NA	**0.2**	2 U	**0.08 J**	0.1 U	0.5 U	0.5 U	0.5 U	0.5 U
CHROMIUM	110	11(2)	49.9	**1.4**	**6.8**	**3.1**	**0.94 J**	**29.1**	**16.2**	**17.6**	**15.2**
COPPER	48	4.8(3)(4)	107	**3.5**	**8.3**	**2.6**	**0.29 J**	**3.06 J**	**3.7**	**3.2**	**3.2**
LEAD	13	1.2(3)(4)	6.63	**1.1**	**1**	**1**	0.5 U	2.5 U	**0.8**	**0.32 J**	**0.32 J**
ZINC	123	58.2(3)	131	**43.4**	**60.5**	**46.5**	**2.89 J**	**32.6**	**28.5**	**14.5**	**14.6**
Inorganics (Dissolved) (µg/L)											
ARSENIC	4	150 (2)	2.55	**2.2**	**6.7**	**2.7**	1 U	**10.7**	**2.5**	**5.5**	**4.3**
BERYLLIUM	4	NA	NA	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
CADMIUM	6	0.62(3)(4)	NA	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U
CHROMIUM	110	11(2)	16	**0.56 J**	**6.5**	**1.2**	**0.38 J**	**3.77 J**	**9.1**	**7.6**	**7.6**
COPPER	48	4.8(3)(4)	39.4	**0.27 J**	**0.97 J**	**0.81 J**	**0.2 J**	5 U	**3.2**	**0.46 J**	**0.4 J**
LEAD	13	1.2(3)(4)	2.52	0.5 U	0.5 U	**0.7**	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U
ZINC	123	58.2(3)	109	**26.7 J**	**3.44 J**	**3.24 J**	5 U	25 U	**3.48 J**	**3.49 J**	**4.8 J**

NOTES:
Bold type denotes analyte detection.
Shaded boxes denote exceedances of primary or secondary monitoring criterion and/or background groundwater concentrations.

1 SWPC for substances in groundwater. (CTDEP, January 1996)
2 Federal AWQC for protection of aquatic life (chronic, freshwater). (USEPA, 1999)
3 Connecticut WQC for protection of human health from consumption of organisms. (CTDEP, 1997)
4 The reporting limit from the laboratory exceeds the secondary monitoring criterion for this compound.
5 Background concentrations taken from Basewide Groundwater Operable Unit Remedial Investigation Report (TtNUS, 2002a)

J Estimated Value
R Rejected Value
U Undetected
NA Not Available
ND Not Detected in background samples
-- Not analyzed for in background samples.



H:\NAVY\New London_NSB\Area A\2004\Round 14\Figures\Maps\Figure 3-1 (COC Exc. MWs)

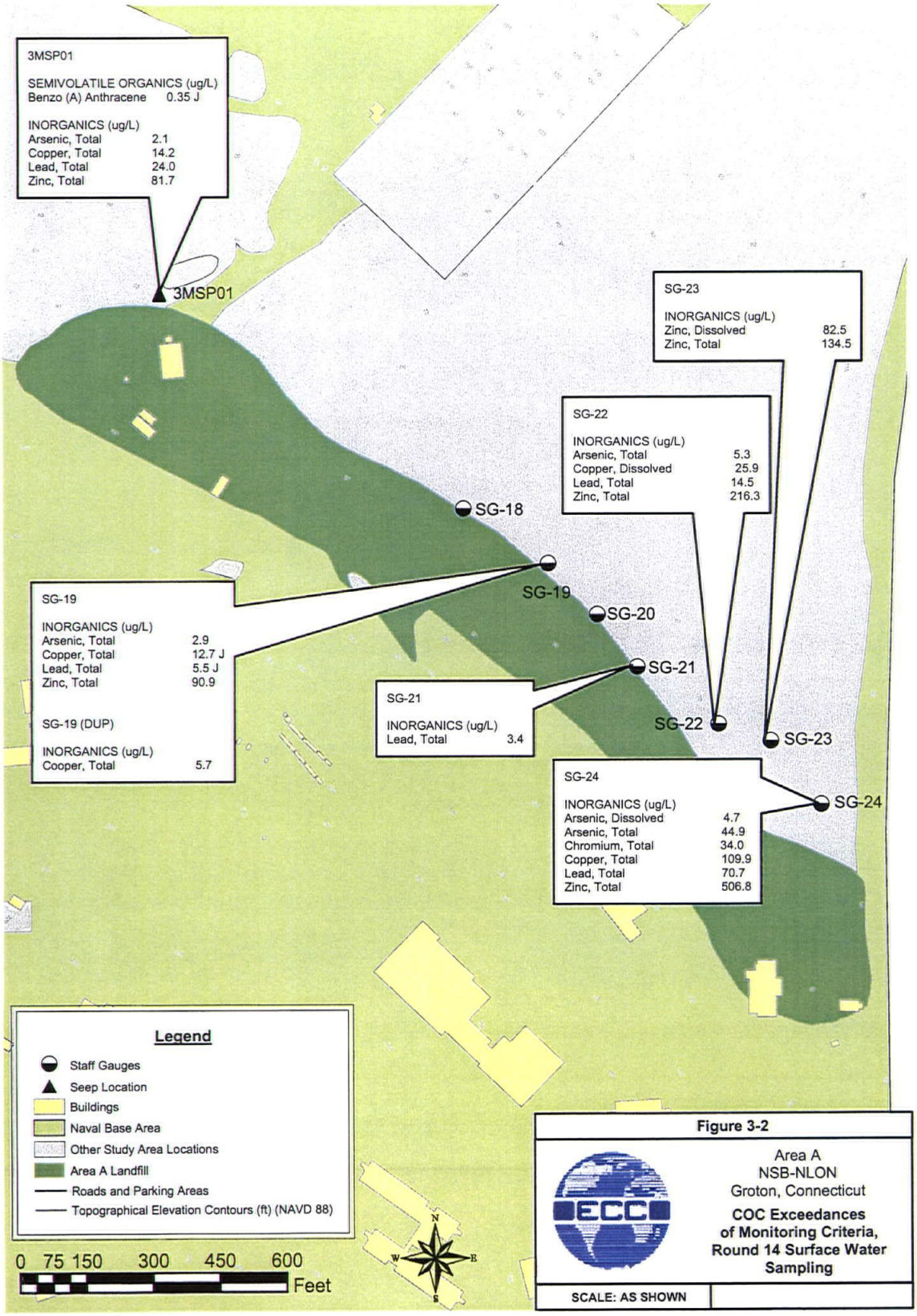


Figure 3-2

Area A
NSB-NLON
Groton, Connecticut

COC Exceedances of Monitoring Criteria, Round 14 Surface Water Sampling

SCALE: AS SHOWN

H:\NAVY\New London_NSB\Area A\2004\Round 14\Figures\Maps\Figure 3-2 (COC Exc. SGs)

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APPENDIX A

Monitoring Well Inspection Sheets

MONITORING WELL INSPECTION SHEET

WELL ID: MW-203 **DATE:** 6/1/04

INSPECTOR'S NAME: Fred Santa **TIME:** 1700

INSPECTION ITEM	TYPES OF PROBLEMS	STATUS		OBSERVATION
		S	U	
Well Tag	Is it in place, legible?		✓	
Well Security	Condition of protective case, cap and lock.		✓	
Well Pad	Concrete or gravel & condition		✓	Asphalt and concrete pad is cracked.
Well Seal	Condition of.....		✓	No seal/cap damaged
Area immediately around well pad.	Record any evidence of /or standing water in area of well		✓	well in a depressed area
Dedicated sampling equipment	Condition.....	✓		
PVC Riser	Condition of riser & survey reference point	✓		

Comments:

Signatur : [signature]

S = satisfactory, U = unsatisfactory
Check one, if unsatisfactory please explain

MONITORING WELL INSPECTION SHEET

WELL ID: MW-215

DATE: 6/1/04

INSPECTOR'S NAME: Fred Santa

TIME: 1715

INSPECTION ITEM	TYPES OF PROBLEMS	STATUS		OBSERVATION
		S	U	
Well Tag	Is it in place, legible?	✓		
Well Security	Condition of protective case, cap and lock.	✓		
Well Pad	Concrete or gravel & condition	✓		
Well Seal	Condition of.....	✓		
Area immediately around well pad.	Record any evidence of /or standing water in area of well	✓		
Dedicated sampling equipment	Condition.....	✓		
PVC Riser	Condition of riser & survey reference point	✓		

Comments:

Signature: [signature]

S = satisfactory, U = unsatisfactory
Check one, if unsatisfactory please explain

MONITORING WELL INSPECTION SHEET

WELL ID: MW-38DS

DATE: 6/11/04

INSPECTOR'S NAME: Fred Smith

TIME: 1515

INSPECTION ITEM	TYPES OF PROBLEMS	STATUS		OBSERVATION
		S	U	
Well Tag	Is it in place, legible?	✓		
Well Security	Condition of protective case, cap and lock.	✓		
Well Pad	Concrete or gravel & condition	✓		
Well Seal	Condition of.....	✓		
Area immediately around well pad.	Record any evidence of /or standing water in area of well	✓		
Dedicated sampling equipment	Condition.....	✓		
PVC Riser	Condition of riser & survey reference point	✓		

Comments:

Signatur :

S = satisfactory, U = unsatisfactory
Check one, if unsatisfactory please explain

MONITORING WELL INSPECTION SHEET

WELL ID: MW-39DS

DATE: 6/1/04

INSPECTOR'S NAME: Fred Santos

TIME: 1450

INSPECTION ITEM	TYPES OF PROBLEMS	STATUS		OBSERVATION
		S	U	
Well Tag	Is it in place, legible?	✓		
Well Security	Condition of protective case, cap and lock.	✓		
Well Pad	Concrete or gravel & condition	✓		
Well Seal	Condition of.....	✓		
Area immediately around well pad.	Record any evidence of /or standing water in area of well	✓		
Dedicated sampling equipment	Condition.....	✓		
PVC Riser	Condition of riser & survey reference point	✓		

Comments:

Signature: [signature]

S = satisfactory, U = unsatisfactory
Check one, if unsatisfactory please explain

MONITORING WELL INSPECTION SHEET

WELL ID: 2WMW40DS

DATE: 6/1/04

INSPECTOR'S NAME: David C.

TIME: 15:40

INSPECTION ITEM	TYPES OF PROBLEMS	STATUS		OBSERVATION
		S	U	
Well Tag	Is it in place, legible?	✓		
Well Security	Condition of protective case, cap and lock.	✓		
Well Pad	Concrete or gravel & condition	✓		
Well Seal	Condition of.....	✓		
Area immediately around well pad.	Record any evidence of /or standing water in area of well	✓		
Dedicated sampling equipment	Condition.....	✓		
PVC Riser	Condition of riser & survey reference point	✓		

Comments:

Signature:

S = satisfactory, U = unsatisfactory
Check one, if unsatisfactory please explain

MONITORING WELL INSPECTION SHEET

WELL ID: MW-41DS

DATE: 6/1/04

INSPECTOR'S NAME: Fred Sa.t.

TIME: 1545

INSPECTION ITEM	TYPES OF PROBLEMS	STATUS		OBSERVATION
		S	U	
Well Tag	Is it in place, legible?	✓		
Well Security	Condition of protective case, cap and lock.	✓		
Well Pad	Concrete or gravel & condition	✓		
Well Seal	Condition of.....	✓		
Area immediately around well pad.	Record any evidence of /or standing water in area of well	✓		
Dedicated sampling equipment	Condition.....	✓		
PVC Riser	Condition of riser & survey reference point	✓		

Comments:

Signature: Fred

S = satisfactory, U = unsatisfactory
Check one, if unsatisfactory please explain

MONITORING WELL INSPECTION SHEET

WELL ID: MW-42DS

DATE: 6/1/04

INSPECTOR'S NAME: Fred Santy

TIME: 1600

INSPECTION ITEM	TYPES OF PROBLEMS	STATUS		OBSERVATION
		S	U	
Well Tag	Is it in place, legible?	✓		
Well Security	Condition of protective case, cap and lock.	✓		
Well Pad	Concrete or gravel & condition	✓		
Well Seal	Condition of.....	✓		
Area immediately around well pad.	Record any evidence of /or standing water in area of well	✓		
Dedicated sampling equipment	Condition.....	✓		
PVC Riser	Condition of riser & survey reference point	✓		

Comments:

Signature:

S = satisfactory, U = unsatisfactory
Check one, if unsatisfactory please explain

MONITORING WELL INSPECTION SHEET

WELL ID: MW-43DS

DATE: 6/1/04

INSPECTOR'S NAME: Fred Santos

TIME: 1615

INSPECTION ITEM	TYPES OF PROBLEMS	STATUS		OBSERVATION
		S	U	
Well Tag	Is it in place, legible?	✓		
Well Security	Condition of protective case, cap and lock.	✓		
Well Pad	Concrete or gravel & condition	✓		
Well Seal	Condition of.....	✓		
Area immediately around well pad.	Record any evidence of /or standing water in area of well	✓		
Dedicated sampling equipment	Condition.....	✓		
PVC Riser	Condition of riser & survey reference point	✓		

Comments:

Signatur :

S = satisfactory, U = unsatisfactory
Check one, if unsatisfactory please explain

MONITORING WELL INSPECTION SHEET

WELL ID: MW-44DS

DATE: 6/1/04

INSPECTOR'S NAME: Fred Santos

TIME: 1630

INSPECTION ITEM	TYPES OF PROBLEMS	STATUS		OBSERVATION
		S	U	
Well Tag	Is it in place, legible?	✓		
Well Security	Condition of protective case, cap and lock.	✓		
Well Pad	Concrete or gravel & condition		✓	Wooden Box around gravel is loose and detached from well pad.
Well Seal	Condition of.....	✓		
Area immediately around well pad.	Record any evidence of /or standing water in area of well	✓		
Dedicated sampling equipment	Condition.....	✓		
PVC Riser	Condition of riser & survey reference point	✓		

Comments:

Signature: [signature]

S = satisfactory, U = unsatisfactory
Check one, if unsatisfactory please explain

MONITORING WELL INSPECTION SHEET

WELL ID: MW-45DS

DATE: 6/1/04

INSPECTOR'S NAME: Fred Santos

TIME: 1635

INSPECTION ITEM	TYPES OF PROBLEMS	STATUS		OBSERVATION
		S	U	
Well Tag	Is it in place, legible?	✓		
Well Security	Condition of protective case, cap and lock.	✓		
Well Pad	Concrete or gravel & condition	✓		
Well Seal	Condition of.....	✓		
Area immediately around well pad.	Record any evidence of /or standing water in area of well	✓		
Dedicated sampling equipment	Condition.....	✓		
PVC Riser	Condition of riser & survey reference point	✓		

Comments:

Signatur : [signature]

S = satisfactory, U = unsatisfactory
Check one, if unsatisfactory please explain

MONITORING WELL INSPECTION SHEET

WELL ID: MW-46DS

DATE: 6/1/04

INSPECTOR'S NAME: Fid Santos

TIME: 1640

INSPECTION ITEM	TYPES OF PROBLEMS	STATUS		OBSERVATION
		S	U	
Well Tag	Is it in place, legible?	✓		
Well Security	Condition of protective case, cap and lock.	✓		
Well Pad	Concrete or gravel & condition	✓		
Well Seal	Condition of.....	✓		
Area immediately around well pad.	Record any evidence of /or standing water in area of well	✓		
Dedicated sampling equipment	Condition.....	✓		
PVC Riser	Condition of riser & survey reference point	✓		

Comments:

Signature:

S = satisfactory, U = unsatisfactory
Check one, if unsatisfactory please explain

MONITORING WELL INSPECTION SHEET

WELL ID: MW-47DS

DATE: 6/1/04

INSPECTOR'S NAME: Fred Santos

TIME: 1720

INSPECTION ITEM	TYPES OF PROBLEMS	STATUS		OBSERVATION
		S	U	
Well Tag	Is it in place, legible?	✓		
Well Security	Condition of protective case, cap and lock.	✓		
Well Pad	Concrete or gravel & condition	✓		
Well Seal	Condition of.....	✓		
Area immediately around well pad.	Record any evidence of /or standing water in area of well	✓		
Dedicated sampling equipment	Condition.....	✓		
PVC Riser	Condition of riser & survey reference point	✓		

Comments:

Signatur :

S = satisfactory, U = unsatisfactory
Check one, if unsatisfactory please explain

MONITORING WELL INSPECTION SHEET

WELL ID: MW-12D

DATE: 6/1/04

INSPECTOR'S NAME: Fred Santa

TIME: 1505

INSPECTION ITEM	TYPES OF PROBLEMS	STATUS		OBSERVATION
		S	U	
Well Tag	Is it in place, legible?	✓		
Well Security	Condition of protective case, cap and lock.	✓		
Well Pad	Concrete or gravel & condition	✓		
Well Seal	Condition of…..	✓		
Area immediately around well pad.	Record any evidence of /or standing water in area of well	✓		
Dedicated sampling equipment	Condition……	✓		
PVC Riser	Condition of riser & survey reference point	✓		

Comments:

Signature: [signature]

S = satisfactory, U = unsatisfactory
Check one, if unsatisfactory please explain

MONITORING WELL INSPECTION SHEET

WELL ID: MW-375

DATE: 6/1/04

INSPECTOR'S NAME: Fred Santa

TIME: 1500

INSPECTION ITEM	TYPES OF PROBLEMS	STATUS		OBSERVATION
		S	U	
Well Tag	Is it in place, legible?	✓		
Well Security	Condition of protective case, cap and lock.		✓	No Lock
Well Pad	Concrete or gravel & condition		✓	Gravel eroded from well box
Well Seal	Condition of.....	✓		
Area immediately around well pad.	Record any evidence of /or standing water in area of well	✓		
Dedicated sampling equipment	Condition.....	✓		
PVC Riser	Condition of riser & survey reference point	✓		

Comments:

Signature:

S = satisfactory, U = unsatisfactory
Check one, if unsatisfactory please explain

MONITORING WELL INSPECTION SHEET

WELL ID: MW-13

DATE: 6/1/04

INSPECTOR'S NAME Fred Santa

TIME: 1730

INSPECTION ITEM	TYPES OF PROBLEMS	STATUS		OBSERVATION
		S	U	
Well Tag	Is it in place, legible?	✓		
Well Security	Condition of protective case, cap and lock.	✓		3' ~~Riser~~ FS steel casing protecting well is dented and leaning. Vehicle must have hit well
Well Pad	Concrete or gravel & condition	✓		
Well Seal	Condition of.....	✓		
Area immediately around well pad.	Record any evidence of /or standing water in area of well	✓		
Dedicated sampling equipment	Condition.....	✓		
PVC Riser	Condition of riser & survey reference point	✓		

Comments:

Signature: Fred Santa

S = satisfactory, U = unsatisfactory
Check one, if unsatisfactory please explain

APPENDIX B

Groundwater Level Field Forms

Groundwater Level M asurement Sheet

Project Site: NSB-NLON

Location: AREA A - SITE 2

Date: 6/1/04

High Tide: NA

Water Level Meter: Heron Dipper T

Weather: Overcast Rain

Field Crew: Dave C + Fred S

Low Tide: NA

Well ID	Time	Depth to Water (FT)	PID Reading (ppm)	Comments
2LMW20S	1700	17.30	0.0	
2WMW21S	1715	4.05	0.0	
2WMW38DS	1515	5.93	0.0	
2WMW39DS	1450	2.08	0.0	
2WMW40DS	1540	2.74	0.0	
2WMW41DS	1545	1.95	0.0	
2WMW42DS	1600	1.65	0.0	
2WMW43DS	1615	2.11	0.0	
2WMW44DS	1630	1.31	0.0	
2WMW45DS	1635	1.85	0.0	
2WMW46DS	1640	1.10	0.0	
2WMW47DS	1720	1.18	0.0	
3MW12D	1505	4.52	0.0	
3MW37S	1500	3.63	0.0	
4MW1S	1730	6.94	0.0	
SG06	1515	16.57	0.0	
SG15	—	—	—	Dry
SG16	—	—	—	Dry
SG17	—	—	—	Dry
SG18	1545	3.74	0.0	
SG19	1600	3.63	0.0	
SG20	1615	2.92	0.0	
SG21	1630	3.05	0.0	
SG22	1635	3.89	0.0	
SG23	1640	3.60	0.0	
SG24	1720	4.54	0.0	

APPENDIX C

Calibration Logs

INSTRUMENT CALIBRATION LOG

Project/Site Name AREA-A Landfill Groton CT.

Calibrated By David C.

Instrument/Serial Number	Pre-cal 1 (NTU)	Pre-cal 10 (NTU)	Post-cal 1 (NTU)	Post-cal 10 (NTU)	Date
Lamotte Turbidimeter 0896-4098	0.90	11	1.1	9.8	6/1/04
Lamotte Turbidimeter 3655-3802	1.1	11	1.1	9.6	6/1/04
Lamotte Turbidimeter 4079-1103	0.90	10	1.1	10	6/1/04
Lamotte Turbidimeter 4079-1103	1.0	10	0.95	10	6/2/04
Lamotte Turbidimeter 0896-4098	1.1	9.9	1.1	11	6/2/04
Lamotte Turbidimeter 3655-3802	1.1	9.7	1.1	10	6/2/04
Lamotte Turbidimeter 0896-4098	1.0	8.3	1.0	10	6-3-04
Lamotte Turbidimeter 3655-3802	0.80	10.0	1.1	11	6-3-04
Lamotte Turbidimeter 4079-1103	0.9	10.0	1.0	10	6-3-04
Lamotte Turbidimeter 0896-4098	0.95	11	1.2	10	6/7/04
Lamotte Turbidimeter 3655-3802	1.3	9.2	1.1	11	6/7/04
Lamotte Turbidimeter 4079-1103	0.95	10	1.0	10	6/7/04

INSTRUMENT CALIBRATION LOG

Project/Site Name Groton CT Date 6·1·04 Weather overcast

Calibrated By Suzanne/Matt Instrument YSI YSI Serial Number 01B0583AB 99K1014AB

Parameters	Pre-calibration Reading	Post-calibration Reading	Temperature °C	Comments
Conductivity	0.932	0.984	19.43	
pH (7)	7.38	7.47	19.44	
pH (4)	4.07	3.74	19.81	
pH (10)	9.82	9.36	20.02	
ORP	148.4	82.1	16.94	
Dissolved Oxygen	96.3	59.2	17.75	replace DO membrane
Barometric Pressure	759.6	759.5		

INSTRUMENT CALIBRATION LOG

Project/Site Name Groton CT Date 6·1 04 Weather Overcast 65°

Calibrated By Suzanne/Matt Instrument YSI / YSI Serial Number 00L1176 AB / 98F0851 AA

Parameters	Pre-calibration Reading	Post-calibration Reading	Temperature °C	Comments
Conductivity 1.0 ms/cm	0.961	0.958	20.04	
pH (7)	7.07	7.12	19.69	
pH (4)	4.00	3.88	19.7	
pH (10)	9.83	9.76	20.05	
ORP 100mV	141.2	100.6	15.19	
Dissolved Oxygen	101.6	98.6	17.21	
Barometric Pressure	751.7			

INSTRUMENT CALIBRATION LOG

Project/Site Name Groton, CT Area A **Date** 6/2/04 **Weather** cloudy

Calibrated By M. Martin **Instrument** YSI Sonde **Serial Number** 01B0583AB 99K1014AB

Parameters	Pre-calibration Reading	Post-calibration Reading	Temperature °C	Comments
Conductivity	0.985	1.147	17.2	
pH (7)	7.48	6.73	17.93	
pH (4)	3.76	3.96	17.8	
pH (10)	9.45	9.63	17.56	
ORP	80.7	88.9	16.06	
Dissolved Oxygen	107.5	95.7	16.19	
Barometric Pressure	763.8			

INSTRUMENT CALIBRATION LOG

Project/Site Name Groton CT **Date** 6·2·04 **Weather** overcast 80°

Calibrated By Suzanne **Instrument** YSI **Serial Number** 00L176AB

YSI 98F0851AA

Parameters	Pre-calibration Reading	Post-calibration Reading	Temperature °C	Comments
Conductivity	0.958	1.080	17.94	
pH (7)	7.12	6.91	17.95	
pH (4)	3.88	4.08	17.84	
pH (10)	9.76	~~10.9~~ 9.74	17.65	
ORP 100MV	100.6	88.3	15.43	
Dissolved Oxygen	98.6			
Barometric Pressure 752.1				

INSTRUMENT CALIBRATION LOG

Project/Site Name Groton CT

Date 6.2.04

Weather Overcast

Calibrated By Suzanne

Instrument YSI
YSI

Serial Number 02B0985AE
99K0637AA

Parameters	Pre-calibration Reading	Post-calibration Reading	Temperature °C	Comments
Conductivity	1.130	1.124	19.66	
pH (7)	7.06	7.31	19.48	
pH (4)	3.68	4.25	19.65	
pH (10)	9.86	10.28	19.78	
ORP	137.	97.6	16.51	
Dissolved Oxygen	103.		17.58	
Barometric Pressure	752.1			

INSTRUMENT CALIBRATION LOG

Project/Site Name Groton CT **Date** 6/3/04 **Weather** 70°, overcast

Calibrated By David C. **Instrument** YSI 650MDS, YSI 600XLM **Serial Number** 01B0583 AB, 99K1014 AB

Parameters	Pre-calibration Reading	Post-calibration Reading	Temperature °C	Comments
Conductivity 1.0	1.063	1.060	17.92	
pH (7)	6.92	7.05	18.04	
pH (4)	3.72	4.00	18.03	
pH (10)	9.67	9.75	18.07	
ORP 100	92.2	95.8	17.82	
Dissolved Oxygen	105.7%	103.4%	18.10	
Barometric Pressure	765.3			

INSTRUMENT CALIBRATION LOG

Project/Site Name Area A **Date** 6/3/04 **Weather** Sunny

Calibrated By M. Martin **Instrument** TSI Sonde **Serial Number** 02F0869 AB 9860508 AA

Parameters	Pre-calibration Reading	Post-calibration Reading	Temperature °C	Comments
Conductivity		0.947	18.6	
pH (7)		6.76	18.27	
pH (4)		4.01	20.45	
pH (10)		9.71	19.53	
ORP		92.3	19.82	
Dissolved Oxygen		101.5	19.75	
Barometric Pressure 757.8				

INSTRUMENT CALIBRATION LOG

Project/Site Name Area A NSB **Date** 6/3/04 **Weather** cloudy

Calibrated By M. Martin **Instrument** YSI Sonde **Serial Number** 02F032a 4F ~~[illegible]~~ ~~[illegible]~~ 01D1093 AB

Parameters	Pre-calibration Reading	Post-calibration Reading	Temperature °C	Comments
Conductivity	0.937	0.901	18.19	
pH (7)	6.95	6.61	18.17	
pH (4)	3.8	3.69	18.30	
pH (10)	9.87	9.53	18.25	
ORP	75.4	110.1	17.17	
Dissolved Oxygen	95.4	42.5		
Barometric Pressure 757.9				

APPENDIX D

Groundwater and Surface Water Field Forms

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A Landfill
Location: New London, CT
Well ID: SG-18

Date: 6/2/04
Sampler: [illegible]
PID Reading: 0.0

Start Time: 1153 **End Time:** 1155
Well Construction: —
Depth to wat r: —
Well Depth: —
Water Column: —
Total Volume Removed (L) —

Field Testing Equipment

Make	Model	Serial #
YSI		01B0583 AB
Sonde		99K1014 AB
Lamotte	Turbidimeter	3655-3802

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1154	—	—	—	17.65	6.48	0.701	1.14	-5.6	12	
Acceptance Criteria:			< 0.3 ft	3%	± 0 1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1155	2-SW18-02	40 mL vom	2	H_2SO_4	TOC
		1 L poly amber	2	—	SVOC/PAH
		500 mL poly	2	HNO_3	Metal: T&D
		500 mL	1	—	Alk, SO_4, TDS, Cl
		250 mL	1	H_2SO_4	COD
		1 L	1	—	TSS

Comments

Signature

6/2/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A Landfill
L cation: New London, CT
Well ID: SG-19

Date: 6/2/04
Sampler: M. Martin
PID Reading: 0.0

Start Time: 0749 **End Time:** 0750
Well Construction: —
Depth to water: —
Well Depth: —
Wat r Column: —
Total Volume Removed (L) —

Field Testing Equipment

Make	Model	Serial #
YSI		01B0583 AB
Sonde		99K1014 AB
Lamotte Turbidimeter		3655-3802

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
0749	—	—	—	14.92	6.4	0.502	2.17	-25.7	12	clear/brown
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
0750	2-SW19-02	40mL VOA	2	H_2SO_4	TOC
		1L amber	2	—	~~PSS~~ SVOC/PAH
		500mL poly	2	HNO_3	Metals: total + D scolved
		500mL poly	1	—	Alk, SO_4, TDS, Cl
		250mL poly	1	H_2SO_4	COD
		1L poly	1	—	TSS

Comm nts
Field Dup same as above ID: 060204
MS/MSD same as above x2

M. Martin
Signature

6/2/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A Landfill
Location: New London, CT
W ll ID: SW-20

Date: 6-3-04
Sampler: Suzanne Whiteside
PID Reading: 0.0

Start Time: _____ **End Time:** _____
Well Construction: _____
Depth to water: _____
Well Depth: _____
Water Column: _____
Total Volume Removed (L) _____

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	00L1176 AB
YSI	600XLM	98F0851 AA
LaMotte	turbidimeter	0896-1098

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
9:15	—	—	—	16.52	6.46	0.344	2.81	198.7	9.1	cloudy grey green
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
9:30	2.SW20.02	40 ml vial	2	H_2SO_4	TOC
9:30	2.SW20.02	250 ml poly	1	H_2SO_4	COD
9:30	2.SW20.02	500 ml poly	2	HNO_3	Metals total & dissolved (F)
9:30	2 SW20.02	500 ml poly	1	None	Alk, SO_4, TDS, Cl
9:30	2 SW 20.02	1 L Amber	2	None	SVOCs 8270C, PAHs 8270C (SIM)
9:30	2 SW20.02	1 L poly	1	None	TSS

Comments

_____

_____

_____

Suzanne Whiteside
Signature

6-3-04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A Landfill
Location: New London, CT
Well ID: ~~SW-20~~ SW-21 SW

Date: 6-2-04
Sampler: Suzanne Whiteside
PID Reading: 0.0

Start Time: **End Time:**
Well Construction:
Depth to water:
Well D pth:
Water Column:
Total Volume Removed (L)

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	00L1176AB
YSI	600 XLM	98F0851AA
LaMotte turbidimeter		4079.1103

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
13:45	—	—	—	17.91	6.79	0.395	4.22	-76.7	21	brownish
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
13:40	2-SW21-02	40 ml vial	2	H_2SO_4	TOC
13:40	2-SW21-02	250 ml poly	1	H_2SO_4	COD
13:40	2-SW-21-02	500 ml poly	2	HNO_3	Metals, total & dissolved FF
13:40	2-SW-21-02	500 ml poly	1	None	Alk SO_4 TDS Cl
13:40	2-SW-21-02	1 L Amber	2	None	SVOCs, 8270C, PAHs, 8310 mods
13:40	2-SW-21-02	1 L poly	1	None	TSS

Comments

Suzanne M Whiteside
Signature

6-2-04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A Landfill
Location: New London, CT
W ll ID: SW-22

Date: 6-2-04
Sampler: Suzanne Whiteside
PID Reading: 0.0

Start Time: _____ **End Time:** _____
Well Construction:
Depth to water:
Well Depth:
Water Column:
Total Volume Removed (L)

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	00L1176 AB
YSI	600 XLM	98F0851 AA
~~Geopump 2~~		~~306~~
LaMotte turbidimeter		4079.1103

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
9:00	- -	—	—	13.04	6.93	0.360	-0.09	-263.9	21	greenish
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
8:30	2-SW22-02	40 ml vial	2	H_2SO_4	TOC
8:30	2-SW22-02	250 ml poly	1	H_2SO_4	COD
8:30	2-SW22-02	500 ml poly	2	HNO_3	Metals total & dissolved (FF)
8:30	2-SW22-02	500 ml poly	1	None	Alk, SO4, TDS, Cl
8:30	2-SW22-02	1 L Amber	2	None	SVOCs 8270C, PAHs,
8:30	2-SW22-02	1 L Poly	1	None	8270C (SIM)
					TSS

Comments
strong sulphur odor

Suzanne Whiteside
Signature

6-2-04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A Landfill
Location: New London, CT
Well ID: SW-23

Date: 6-2-04
Sampler: Suzanne Whiteside
PID Reading: 0.0

Start Time: ____ **End Time:** ____
Well Construction: ____
Depth to water: ____
Well Depth: ____
Water Column: ____
Total Volume Removed (L) ____

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	00L1176AB
YSI	600XLM	98F0851AA
LaMotte	turbidimeter	4079-1103

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
11:10	—	—	—	13.55	6.99	0.210	6.49	284.2	3.9	
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
10:30	2-SW23-02	40 ml vial	2	H_2SO_4	TOC
10:30	2-SW23-02	250 ml poly	1	H_2SO_4	COD
10:30	2-SW23-02	500 ml poly	2	HNO_3	Metals, total & dissolved (EF)
10:30	2-SW23-02	500 ml poly	1	None	Alk, SO_4, TDS, Cl
10:30	2-SW-23-02	1L Amber	2	None	SVOCs, 8270C, PAH, 8270C(SIM)
10:30	2-SW-23-02	1L Poly	1	None	TSS

Comments

S Whiteside
Signature

6-2-04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A Landfill
Location: New London, CT
Well ID: SG-24

Date: 6/3/04
Sampler: M. Martin
PID Reading: 0.0

Start Time: 1150 **End Time:** 1155
Well Construction: —
Depth to water: —
Well Depth: —
Water Column: —
Total Volume Removed (L) —

Field Testing Equipment

Make	Model	Serial #
YSI		02F0869 AB
Solinst		9860508 AA
Lamotte Turbidimeter		0896-4098

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1154	—	—	—	18.33	6.64	0.397	0.87	-83.5	195	brown
Acceptance Criteria:			< 0.3 ft	3%	± 0 1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Tim	Sample ID	Container	# of Bottles	Preservative	Analyses
1155	2-SW24-02	40mL vga	2	H_2SO_4	TOC
		1 L amber	2	—	SVOC/PAH
		500 mL poly	2	HNO_3	Metals: T & D
		" "	1	—	Alk, SO_4, TDS, Cl
		250 mL poly	1	H_2SO_4	COD
		1 L poly	1	—	TSS

Comments

Signature

6/3/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A Landfill
Location: New London, CT
Well ID: 3 - SP01

Date: 6/2/04
Sampler: Fred Santos
PID Reading: Ø

Start Time: _____ **End Time:** _____
Well Construction: _____
Depth to water: _____
Well Depth: _____
Water Column: _____
Total Volume Removed (L) _____

Field Testing Equipment

Make	Model	Serial #
YSI	650	02B0985 AE
YSI	600	99K0637 AA
Lamotte	Turbidimeter	0896 - 4098

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
0930	—	—	—	11.70	6.22	1.372	5.63	60	3.5	clear
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
0930	3 - SP01 - 02	1L Amber	2	None	SVOC, PAH
↓	↓	500 ml Poly	2	HNO_3	Total/Dissolved Metals, Hardness
		2 40ml vials	2	H_2SO_4	TOC
		250 ml Poly	2	H_2SO_4, None	COD, Alk, SO_4, TDS, Cl
		1L Poly	1	None	TSS

Comments

_____

_____

_____

Signature

6/2/04
Date

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A Landfill
Location: New London, CT
Well ID: 2LMW20S

Date: 6/3/04
Sampler: David C.
PID Reading: 0.0ppm

Start Time: 8:41 **End Time:** 9:25
Well Construction: 2" PVC Peristaltic
D pth to water: 15.47'
Well Depth: 18.27'
Water Column: 2.80'
Volume Removed (L): 2.96

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	01B0583 AB
YSI	600XLM	99K1014 AB
Lamotte	Turbidimeter	3655-3802
Geopump	Peristaltic	

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
8:45	0.36	90	16.27	14.00	6.88	0.724	3.65	15.8	100	cloudy
8:55	0.9	90	16.47	13.41	5.92	1.469	2.37	-41.0	200	cloudy
9:05	0.9	90	16.57	13.12	5.81	0.467	0.85	-46.1	29	clear
9:15	0.9	90	16.64	13.08	5.68	0.354	0.68	-41.9	7	clear
9:20	0.45	90	16.68	13.07	5.71	0.352	0.66	-42.2	5	clear
9:25	0.45	90	16.72	13.08	5.70	0.361	0.67	-41.1	3	clear
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gallons per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
9:25	2-GW20S-02	1L amber	2	None	SVOC, PAH
9:25	2-GW20S-02	500ml Poly	1	HNO_3	Inorganics Total + Hardness
9:25	2-GW20S-02	500ml Poly	1	HNO_3	Inorganics Dissolved (FF)
9:25	2-GW20S-02	40ml vial	2	H_2SO_4	TOC
9:25	2-GW20S-02	250ml Poly	1	H_2SO_4	COD
9:25	2-GW20S-02	250ml Poly	1	None	Alk, SO_4, TDS, CL
9:25	2-GW20S-02	1000ml Poly	1	None	TSS

Comments

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A Landfill
Location: New London, CT
Well ID: 2MW 21S

Date: 6·3·04
Sampler: Suzanne Whiteside
PID Reading: 0.0

Start Time: 12:39 **End Time:** 13:56
Well Construction: 2" PVC
Depth to water: 4.2
Well D pth: 16.02
Water Column: 11.82
Total Volume Removed (L) 7.6

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	02F0869AB
YSI	600 XLM	98G0508AA
LaMotte turbidimeter 0896·4098		

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
12:40	.1	100	4.53	16.11	6.37	41.41	2.08	-339.7	130	clear
12:50	1	100	5.28	12.92	5.66	42.10	1.11	-368.7	55	clear
13:00	1	100	5.91	12.83	5.74	41.95	0.40	-366.7	6.6	clear
13:10	1	100	5.93	13.08	5.6	41.05	0.61	-363.2	6.3	clear
13:20	1	100	5.94	12.78	5.46	39.95	0.25	-358.1	7.0	clear
13:30	1	100	5.95	12.79	5.59	38.11	0.45	-351.4	6.9	clear
13:40	1	100	6.01	12.65	5.58	36.16	0.94	-350.7	6.6	clear
13:45	.5	100	6.02	12.68	5.65	35.45	0.96	-349.7	6.4	clear
13:50	.5	100	6.02	12.68	5.67	35.33	0.98	-349.7	6.5	clear
13:55	.5	100	6.03	12.68	5.69	35.22	0.98	-349.6	6.4	clear
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1356	2·GW·21S·02	40ml vial	2	H_2SO_4	TOC
13:56	2·GW·21S·02	250 ml poly	1	H_2SO_4	COD
13:56	2·GW·21S·02	500 ml poly	2	HNO_3	Metals, total & dissolved (Fe)
13:56	2·GW·21S·02	500 ml poly	1	None	Alk, SO_4, TDS, Cl
13:56	2·GW·21S·02	1 L Amber	2	None	SVOC PAH
13:56	2·GW·21S·02	1 L poly	1	None	TSS

Comments

Suzanne Whiteside
Signature

6·3·04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A Landfill
Location: New London, CT
Well ID: 2WMW38DS

Date: 6/3/04
Sampler: David C.
PID Reading: 0.0ppm

Start Time: 11:11 **End Time:** 12:00
Well Construction: 2" PVC Peristaltic
Depth to water: 5.99'
Well Depth: 11.70'
Water Column: 5.71'
Total Volume Removed (L) 4.98

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	01B0583 AB
YSI	600XLM	99K1014 AB
Lamotte	Turbidimeter	3655-3802
Geopump²	Peristaltic	211

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm C	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
11:15	0.48	120	6.54	14.58	7.17	0.783	3.57	-47.7	6	clear
11:25	1.0	100	7.25	12.87	6.35	0.753	1.53	-41.0	9	clear
11:30	0.5	100	7.74	12.93	6.18	0.741	1.41	-27.3	11	clear
11:35	0.5	100	8.20	13.31	6.09	0.745	1.51	-20.0	13	clear
11:40	0.5	100	8.49	13.68	6.10	0.764	1.60	-19.3	11	clear
11:45	0.5	100	8.85	14.17	6.17	0.790	1.72	-26.2	9	clear
11:50	0.5	100	9.18	13.97	6.18	0.798	1.75	-35.9	8	clear
11:55	0.5	100	9.50	13.92	6.20	0.803	1.69	-40.3	8	clear
12:00	0.5	100	9.82	13.86	6.22	0.810	1.66	-44.6	7	clear
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0 163 gal/ft or 616 ml per foot

Sample Collection

Tim	Sample ID	Container	# of Bottles	Preservative	Analyses
12:00	2-GW38DS-02	1 L amber	2	NONE	SVOC, PAH
12:00	2-GW38DS-02	500ml Poly	1	HNO_3	Inorganics Total + Hardness
12:00	2-GW38DS-02	500ml Poly	1	HNO_3	Inorganics Dissolved (FF)
12:00	2-GW38DS-02	40ml Poly	2	H_2SO_4	TOC
12:00	2-GW38DS-02	250ml Poly	1	H_2SO_4	COD
12:00	2-GW38DS-02	250ml Poly	1	NONE	Alk, SO4, TDS, CL
12:00	2-GW38DS-02	1000ml Poly	1	NONE	TSS

Comments

Signature

6/3/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A Landfill
Location: New London, CT
Well ID: 2-GW-39 DS

Date: 6-1-04
Sampler: Suzanne Whiteside
PID Reading: 0.0

Start Time: 14:59 **End Time:** 16:21
Well Construction: 2" PVC
Depth to wat r: 2.08'
Well Depth: 16.81
Water Column: 14.73
Total Volume Removed (L) 8.1

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	00L1176 AB
YSI	600 XLM	98F0851 AA
LaMotte turbidimeter		0896-4098
Heron dipper T		09571
geopump2		306

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
15:00	.1	150	2.67	11.83	6.90	1.712	9.82	-122.2	320	orange
15:10	1	100	4.48	10.59	6.98	1.738	7.35	-147.0	75	clear
15:20	1	100	5.02	10.77	7.01	1.748	5.11	-150.1	55	clear
15:30	1	100	5.38	10.77	7.01	1.749	4.07	-152.7	38	clear
15:40	1	100	5.69	10.58	7.03	1.721	3.52	-158.1	27	clear
15:50	1	100	5.86	10.53	7.06	1.680	3.34	-166.4	19	clear
16:00	1	100	6.09	10.44	7.12	1.549	3.51	-178.2	14	clear
16:10	1	100	6.20	10.45	7.10	1.403	3.81	-168.0	9	clear
16:15	.5	100	6.22	10.45	7.09	1385	3.99	-165.7	8	clear
16:20	.5	100	6.25	10.46	7.08	1.377	4.01	-164.8	8	clear
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
16:21	2 GW 39 DS 02	40 ml vial	2	H_2SO_4	TOC
16:21	2-GW-39 DS-02	250 ml poly	1	H_2SO_4	COD
16:21	2-GW-39 DS-02	500 ml poly	1	None	Alk, SO4, TDS, Cl
16:21	2 GW 39 DS-02	500 ml poly	2	HNO_3	Metals total & dissolved (FF)
16:21	2 GW-39 DS-02	1 L Amber	2	NONE	SVOCs PAH
16:21	2 GW-39 DS-02	1000 ml poly	1	NONE	TSS

Comments

Suzanne Whiteside
Signature

6-1-04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A Landfill
Location: New London, CT
Well ID: 2WMW40DS

Date: 6/1/04
Sampler: M. Martin
PID Reading: 0.0

Start Time: 1450 **End Time:** 1611
Well Construction: 2" PVC
Depth to water: 2.74
Well Depth: 16.54
Water Column: 13.8
T tal Volume Removed (L) 11

Field Testing Equipment

Make	Model	Serial #
YSI		01305834B
Sonde		99 K1014AB
ECO Test Parish		211
Lamotte	Turbidimeter	3655-3802

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1500	2	200	4.9	9.91	7.06	34.6	0.54	-370.8	3.7	yellowish
1510	2	200	7.1	9.31	7.06	29.5	1.07	-387.7	5.2	clear w/ black flakes
1520	2	200	10.5	9.17	7.29	20.0	0.58	-386.3	3.8	"
1530	2	200	12.0	9.48	7.24	21.9	0.2	-383.4	3.3	"
1540	1	100	13.1	9.35	7.19	24.0	0.5	-389.5	2.8	"
1550	1	100	14.0	9.45	7.15	28.2	0.49	-390.5	2.8	"
1600	0.5	~~0.550~~	14.1	9.52	7.1	27.9	0.52	-380.8	3.0	"
1610	0.5	50	14.3	9.64	7.07	27.5	0.5	-381.7	2.8	"
Acceptance Criteria:			< 0 3 ft	3%	± 0 1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1611	2-GW40DS-02	40mL vom	2	H_2SO_4	TOC
		1L amber	2	—	SVOC/PAHs
		1L poly	1	—	TSS
		250 mL poly	1	H_2SO_4	COD
		500 mL poly	2	HNO_3	Metals: Total & Dissolved
		"	1	—	Alk, SO_4, TDS, Cl

Comments

Signature

6/1/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A Landfill
Location: New London, CT
Well ID: 2WMW41DS → 2WMW41DS

Date: 6/2/04
Sampler: M. Martin
PID Reading: 0.0

Start Time: 1300 **End Time:** 1421
Well Construction: 2" PVC
Depth to water: 1.95
Well Depth: 16.44
Water Column: 14.49
Total Volume Removed (L) 11

Field Testing Equipment

Make	Model	Serial #
YSI		01B0583 AB
Sonde		99K1014 AB
Geopump	Peristaltic	211
Lamotte	Turbidimeter	3655-3802

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1310	1.5	150	2.5	12.55	5.02	33.42	1.48	-336.3	60	brown/black flakes
1320	1.5	150	3.5	12.59	4.65	32.26	0.69	-362.6	40	"
1330	1.5	150	4.52	12.31	5.07	29.44	0.05	-355.8	32	clear/black flakes
1340	1.5	150	5.5	11.98	5.53	27.07	0.09	-358.7	35	"
1350	1.5	150	6.69	12.03	5.91	24.28	0.13	-358.1	28	"
1400	1.5	150	8.14	11.82	6.18	20.03	0.08	-352.8	13	"
1410	1	100	8.69	11.91	6.27	18.79	0.05	-350.8	11	"
1415	0.5	100	8.8	11.97	6.28	18.47	0.05	-351.5	11	"
1420	0.5	100	8.93	11.88	6.29	18.38	0.05	-351.9	10	"
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1421	2-GW41DS-02	40mL vog	2	H_2SO_4	TOC
		1L amber	2	—	SVOC/PAH
		500mL poly	2	HNO3	Metals: Total + Dissolved
		"	1	—	Alk, SO4, TDS, Cl
		250mL poly	1	H_2SO_4	COD
		1L poly	1	—	TSS

Comments

Signature

6/2/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A Landfill
Location: New London, CT
Well ID: ~~78~~ 2WMW42DS

Date: 6/2/04
Sampler: M. Martin
PID Reading: 0.0

Start Time: 0850 **End Time:** 1001
W ll Construction: 2" PVC
Depth to water: 1.67
W ll D pth: 16.19
Water Column: 14.52
Total Volume Removed (L) 10

Field Testing Equipment

Make	Model	Serial #
YSI		01B0583 AB
Sonde		99K1014 AB
Geopump	Peristaltic	211
Lamotte	Turbidimeter	3655-3802

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
0900	1.5	150	3.17	11.73	6.82	37.17	7.22	-367.1	18	clear w/black flakes
0910	1.5	150	4.67	11.70	6.7	31.4	0.42	-364.2	9.1	"
0920	1.5	150	5.95	11.33	6.64	26.76	0.4	-361.1	3.6	"
0930	1.5	150	7.3	11.26	6.6	22.72	0.35	-358.7	3.9	"
0940	1.5	150	9.0	11.19	6.58	18.7	0.1	-358.7	5.8	"
0950	1.5	150	9.56	11.26	6.58	18.01	0.11	-358.1	37	"
0955	0.5	100	9.7	11.33	6.6	17.76	0.12	-359.4	34	"
1000	0.5	100	9.82	11.52	6.64	17.5	0.12	-363.9	37	"

Acceptance Criteria:	< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1001	2-GW42DS-02	40 mL vial	2	~~HCl~~ H_2SO_4	VOC
|	|	1 L amber	2	—	SVOC / PAH
|	|	1 L poly	1	—	TSS
|	|	250 mL poly	1	~~NaOH~~ H_2SO_4	COD
|	|	500 mL poly	2	HNO_3	Metals: Total & Dissolved
|	|	500 mL poly	1	—	Alk, SO_4, TDS, Cl

Comm nts

MS/MSD same as above x2
Field Dup same as above ID: 060204-02

Signature

6/2/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A Landfill
Location: New London, CT
Well ID: 2GW43DS

Date: 6 3 04
Sampler: Suzanne Whiteside
PID Reading: 0 C

Start Time: 0904 **End Time:** 10:57
Well Construction: 2" PVC
Depth to water: 2.19
Well Depth: 15.68
Water Column: 13.49
Total Volume Removed (L) 6.6

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	00L1176 AB
YSI	600 XLM	98F0851 AA
LaMotte	turbidimeter	0896-1098
geoPump2		305

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
9:05	.5	100	2.99	12.55	8.09	45.10	19.83	256.8	100	clear
9:15	1	100	4.24	11.76	6.77	44.84	35.11	-376.3	65	clear
9:25	1	100	6.01	11.23	6.77	42.28	26.56	-375.4	38	clear
~~9:35~~	~~1~~	~~100~~								see note
10:21	1	100	6.6	12.50	6.78	35.01	1.16	-306.3	20	clear
10:31	1	100	6.9	12.04	6.77	35.12	0.91	-342.1	18	clear
10:41	1	100	7.2	11.88	6.70	32.04	1.24	-346.8	16	clear
10:46	.5	100	7.4	11.69	6.65	30.63	0.95	-348.7	16	clear
10:51	.5	100	7.5	11.63	6.65	30.48	0.92	-348.4	17	clear
10:56	.5	100	7.7	11.62	6.6	30.44	0.92	-348.2	16	clear
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
10:57	2GW43DS.02	40 ml vial	2	H_2SO_4	TOC
10:57	2GW43DS.02	250 ml poly	1	H_2SO_4	COD
10:57	2GW43DS.02	500 ml poly	2	HNO_3	Metals, total & dissolved (F)
10:57	2GW43DS.02	500 ml poly	1	None	Alk, SO_4, TDS, Cl
10:57	2GW43DS.02	1 L Amber	2	None	SVOC, PAH
10:57	2GW43DS.02	1 L poly	1	None	TSS

Comments

changed YSI due to DO
650 MDS 02F0869 AB
600 XLM 98G0508 AA

Suzanne Whiteside
Signature

6-3-04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A Landfill
Location: New London, CT
Well ID: GW-44DS

Date: 6-2-04
Sampler: Suzanne Whiteside
PID Reading: 0.0

Start Time: 14:31 **End Time:**
Well Construction: 2" PVC
Depth to water: 1.41
Well Depth: 16.72
Water Column: 15.31
Total Volume Removed (L) 6.6

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	00L1176AB
YSI	600XLM	98F0851AA
LaMotte	turbidimeter	0896-4098
Heron	dipper T	09571
Geopump 2		306

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
14:32	.1	100	2.0	13.33	6.93	43.08	13.00	-379.0	55	brownish
14:42	1	100	3.1	12.51	6.90	43.34	8.11	-411.0	45	clear
14:52	1	100	4.2	12.51	6.88	43.32	8.67	-414.1	25	clear
15:02	1	100	4.7	12.95	6.87	42.97	9.81	-415.0	12	clear
15:12	1	100	5.1	13.09	6.87	42.72	8.54	-415.4	9	clear
15:22	1	100	5.4	13.31	6.86	42.19	8.33	-416.0	8	clear
15:27	.5	100	5.9	13.43	6.85	41.56	7.99	-416.7	8	clear
15:32	.5	100	6.2	13.42	6.84	41.42	7.82	-416.6	7	clear
15:37	.5	100	6.5	13.50	6.84	41.22	7.79	-416.2	7	clear
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
15:38	2GW-44DS-02	40 ml vial	2	H_2SO_4	TOC
15:38	2GW-44DS-02	250 ml poly	1	H_2SO_4	COD
15:38	2GW-44DS-02	500 ml poly	1	None	Alk, SO_4, TDS, Cl
15:38	2-GW-44DS-02	500 ml poly	2	HNO_3	Metals, total & dissolved (FE)
15:38	2-GW-44DS-02	1 L Amber	2	None	SVOCs PAH
15:38	2GW-44DS-02	1000 ml poly	1	None	TSS

Comments

dangerous conditions around well - 2' water w/ slippery bottom well pad gone

Suzanne Whiteside
Signature

6-2-04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A Landfill
Location: New London, CT
Well ID: 2·GW45DS·02

Date: 6·2·04
Sampler: Suzanne Whiteside
PID Reading: 0.0

Start Time: 7:59 **End Time:** 8:56
Well Construction: 2" PVC
Depth t water: 1.83
W ll Depth: 16.75
Water Column: 14.92
Total Volume Removed (L) 5.6

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	00L1176AB
YSI	600XLM	98F0851AA
LaMotte	turbidimeter	4079·1103
geoPump 2		306
Heron	dipper T	1234

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
8:00	.1	150	2.61	11.25	6.92	43.95	1.77	-367.	4.3	clear
8:10	1	100	4.33	10.10	6.76	42.17	4.53	-399.4	4.4	clear
8:20	1	100	4.90	10.46	6.76	41.70	4.43	-401.4	4.3	clear
8:30	1	100	5.92	10.42	6.77	40.38	3.91	-400.5	4.3	clear
8:40	1	100	6.80	10.37	6.77	36.34	6.09	-393.8	4.3	clear
8:45	.5	100	7.01	10.39	6.77	34.01	5.92	-389.4	4.4	clear
8:50	.5	100	7.24	10.40	6.77	31.92	5.83	-383.6	4.3	clear
8:55	.5	100	7.48	10.42	6.77	29.60	5.65	-381.8	4.3	clear
Acceptance Criteria:			< 0 3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
8:56	2·GW45DS·02	40 ml vial	2	H_2SO_4	TOC
8:56	2·GW45DS·02	250 ml poly	1	H_2SO_4	
8:56	2·GW45DS·02	500 ml poly	1	None	Alk SO4 TOS, Cl
8:56	2·GW45DS·02	500 ml poly	2	HNO_3	metals, total & dissolved FE
8:56	2·GW45DS·02	1 L Amber	2	None	SVOC PAH

Comments

very strong sulphur odor

Suzanne Whiteside
Signature

6·2·04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A Landfill
Location: New London, CT
W ll ID: GW 46DS

Date: 6·2·04
Sampler: Suzanne Whiteside
PID Reading: 0.0

Start Time: 10:01 **End Time:**
W ll Construction: 2" PVC
Depth to water: .9
Well Depth: 16.7
Water Column: 15.8
Total Volume Removed (L) 6.6

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	00L1176 AB
YSI	600 XLM	98F0851 AA
GeoPump II		306
LaMotte turbidimeter		4079.1103
Heron dipper T		1234

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
10:02	.1	100	2.0	11.43	7.04	44.91	22.75	-387.1	19	clear
10:12	1	100	3.7	11.27	6.86	44.10	7.76	-417.0	17	clear
10:22	1	100	4.9	11.77	6.85	43.99	9.92	-419.4	12	clear
10:32	1	100	5.9	12.09	6.85	44.00	12.4	-419.3	9	clear
10:42	1	100	6.3	11.92	6.85	44.19	8.2	418.2	8	clear
10:52	1	100	6.6	11.83	6.85	44.30	7.3	416.0	8	clear
10:57	.5	100	6.9	11.74	6.85	44.41	7.0	-415.1	7	clear
11:02	.5	100	7.1	11.33	6.84	44.14	6.3	-412.9	7	clear
11:07	.5	100	7.3	11.20	6.84	44.15	6.3	-413.0	7	clear
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
11:06	2·GW 46DS·02	40 ml vial	2	H_2SO_4	TOC
11:06	2·GW 46DS·02	250 ml poly	1	H_2SO_4	
11:06	2·GW 46DS·02	500 ml poly	2	HNO_3	Metals, total & dissolved TF
11:06	2·GW 46DS·02	500 ml poly	1	None	Alk, SO_4, TDS, Cl
11:06	2·GW 46DS·02	1 L Amber	2	None	SVOCs PAH

Comments

Suzanne M Whiteside
Signature

6·2·04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A Landfill
Location: New London, CT
Well ID: 2WMW47DS

Date: 6/3/04
Sampler: M. Martin
PID Reading: 0.0

Start Time: 1044 **End Time:** 1240
Well Construction: 2" PVC
Depth to water: 1.25
Well Depth: 16.34
Water Column: 15.09
Total Volume Removed (L) 11.5

Field Testing Equipment

Make	Model	Serial #
YSI		02F0329 AF
Solo		01D1093 AB
GeoPump	Peristaltic	313
Lamotte	Turbidimeter	0896-4098

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1054	1	100	3.09	12.27	6.37	21.69	1.4	-167.9	28	yellowish
1104	1	100	3.15	13.18	6.14	18.34	1.06	-182.9	22	"
1114	1	100	4.03	13.26	5.95	16.16	1.02	-187.9	23	"
1124	1	100	4.81	13.46	5.77	14.34	1.03	-186.9	19	clear
1134	1	100	5.01	13.72	5.03	7.281	1.03	-180.1	15	"
1144	1	100	5.19	13.67	5.05	6.041	1.0	-190.9	10	"
1154	1	100	5.29	13.58	4.87	5.538	0.93	-176.7	11	"
1204	1	100	5.39	13.38	4.75	5.290	0.84	-168.2	14	"
1214	1	100	5.44	13.4	4.57	5.032	0.77	-158.1	16	"
1224	1	100	5.51	13.47	4.3	4.981	0.74	-151.1	15	"
1234	1	100	5.59	13.47	4.24	4.913	0.71	-146.9	15	"
1239	0.5	100	5.62	13.51	4.23	4.891	0.7	-144.9	14	"
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1240	2-GW47DS-02	2	40 mL vos	H_2SO_4	TOC
		2	1L amber	—	SVOC / PAH
		2	500mL poly	HNO_3	Metals: T&D
		1	" "	—	Alk, SO_4, TDS, Cl
		1	1L poly	—	TSS
		1	250mL poly	H_2SO_4	COD

Comments Field duplicate ID: 060304 same as above

Signature

6/3/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A Landfill
Location: New London, CT
Well ID: 3-MW12D

Date: 6/2/04
Sampler: David C.
PID Reading: 0.0ppm

Start Time: 9:51 **End Time:** 11:15
Well Construction: 2" PVC Peristaltic
Depth to water: 4.58'
W ll Depth: 27.35'
Water Column: 22.77'
Total Volume Removed (L) 11.72

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	02B0985 AE
YSI	600XLM	99K0637 AA
Lamotte	Turbidimeter	0896-4098
Geopump²	Peristaltic	313

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm[c]	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
9:55	0.52	130	4.59	12.20	6.10	2.860	6.79	7.2	250	Brown
10:05	1.3	130	4.60	11.88	5.97	2.858	7.22	14.7	160	Brown
10:15	1.3	130	4.60	11.91	5.91	2.835	6.47	10.6	150	Brown
10:25	1.3	130	4.60	11.79	5.80	2.834	6.32	7.0	65	cloudy
10:35	1.3	130	4.60	11.87	5.76	2.834	6.33	5.3	50	cloudy
10:45	1.5	150	4.61	12.31	5.55	2.841	6.50	0.4	36	cloudy
10:55	1.5	150	4.61	12.17	5.18	2.843	6.30	5.7	27	clear
11:05	1.5	150	4.61	12.33	5.07	2.852	5.91	7.4	30	clear
11:10	0.75	150	4.61	12.25	5.06	2.843	5.82	7.9	29	clear
11:15	0.75	150	4.61	12.19	5.08	2.835	5.73	8.0	29	clear
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
11:15	3-GW12D-02	1 L amber	2	NONE	SVOC, PAH
11:15	3-GW12D-02	500ml Poly	1	HNO_3	Inorganics Total + Hardness
11:15	3-GW12D-02	500ml Poly	1	HNO_3	Inorganics Dissolved (FF)
11:15	3-GW12D-02	40ml vial	2	H_2SO_4	TOC
11:15	3-GW12D-02	250ml Poly	1	H_2SO_4	COD
11:15	3-GW12D-02	250ml Poly	1	NONE	ALK, SO4, TDS, CL
11:15	3-GW12D-02	1000ml poly	1	NONE	TSS

Comments

Signature

6/2/04
Dat

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A Landfill
Location: New London, CT
Well ID: 3-MW37S

Date: 6/2/04
Sampler: David C.
PID Reading: 0.0ppm

Start Time: 7:57 **End Time:** 8:55
Well Construction: 2" PVC Peristaltic
Depth to water: 3.62'
Well D pth: 8.29'
Water Column: 4.67'
Total Volume Removed (L) 6.7

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	02B0985 AE
YSI	600XLM	99K0637 AA
Lamotte	Turbidimeter	0896-4098
Geopump²	Peristaltic	313

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
8:05	0.8	100	3.99	12.51	6.42	2.545	2.04	28.0	55	cloudy
8:15	1.0	100	3.99	12.00	6.16	2.502	5.45	22.6	40	cloudy
8:25	1.0	100	3.99	11.96	6.15	2.418	6.29	33.8	16	clear
8:35	1.3	130	4.05	11.81	6.15	2.331	6.24	37.1	12	clear
8:45	1.3	130	4.08	11.81	6.12	2.222	6.13	45.7	5	clear
8:50	0.65	130	4.10	11.81	6.11	2.164	6.21	47.2	4	clear
8:55	0.65	130	4.13	11.80	6.10	2.148	6.52	50.2	2	clear
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
8:55	3-GW37S-02	1 L amber	2	NONE	SVOC, PAH
8:55	3-GW37S-02	500ml Poly	1	HNO_3	Inorganics Total + Hardness
8:55	3-GW37S-02	500ml Poly	1	HNO_3	Inorganics Dissolved (FF)
8:55	3-GW37S-02	40ml vial	2	H_2SO_4	TOC
8:55	3-GW37S-02	250ml Poly	1	H_2SO_4	COD
8:55	3-GW37S-02	250ml Poly	1	NONE	ALK, SO4, TDS, CL
8:55	3-GW37S-02	1000ml Poly	1	NONE	TSS

Comments

Signature

6/2/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A Landfill
L cation: New London, CT
W ll ID: 4MW1S

Date: 6/2/04
Sampler: David C.
PID Reading: 0.0ppm

Start Time: 1437 **End Time:** 1530
W ll Construction: 2" PVC Peristaltic
Depth to water: 6.96'
Well Depth: 20.08'
Water Column: 13.12'
Total Volume Removed (L) 9.54

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	02B0985 AE
YSI	600XLM	99K0637 AA
Lamotte	Turbidimeter	0896-4098
Geopump²	Peristaltic	313

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm[c]	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1440	0.54	180	7.04	13.78	5.62	0.497	5.07	189.9	2	clear
1450	1.8	180	7.07	12.18	4.67	0.463	2.91	368.8	1	clear
1500	1.8	180	7.09	11.72	4.42	0.462	2.24	463.1	1	clear
1505	0.9	180	7.10	11.56	4.26	0.458	2.35	490.6	1	clear
1510	0.9	180	7.10	11.70	4.19	0.457	2.34	507.9	1	clear
1515	0.9	180	7.10	12.13	4.23	0.455	2.27	520.4	1	clear
1520	0.9	180	7.10	11.97	4.24	0.461	2.30	524.2	1	clear
1525	0.9	180	7.10	11.85	4.25	0.456	2.26	531.8	1	clear
1530	0.9	180	7.10	11.78	4.24	0.458	2.25	533.7	1	clear
Acceptance Criteria:			< 0 3 ft	3%	± 0.1	3%	10%	±10mv	10%	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1530	4-GW1S-02	1 L amber	2	NONE	SVOC, PAH
1530	4 GW1S-02	500ml Poly	1	HNO_3	Inorganics Total + Hardness
1530	4-GW1S-02	500ml Poly	1	HNO_3	Inorganics Dissolved (FF)
1530	4-GW1S-02	40ml vial	2	H_2SO_4	TOC
1530	4-GW1S-02	250ml Poly	1	H_2SO_4	COD
1530	4-GW1S-02	250ml Poly	1	NONE	ALK, SO4 TDS, CL
1530	4-GW1S-02	1000ml Poly	1	NONE	TSS

Comments

Signature

6/2/04
Date

APPENDIX E

Data Validation Memos and Laboratory Analytical Results

AREA A LANDFILL
MASTER DATA VALIDATION MEMORANDUM
JUNE 2004 SAMPLING ROUND 14

TO: ENGINEERING FIELD ACTIVITY NORTHEAST

FROM: JACKSON KIKER, ECC SENIOR CHEMIST, MARLBOROUGH, MA

SUBJECT: NEW LONDON NSB – IRP O&M MONITORING - SAMPLING ROUND 14

DATE: JUNE 28, 2004

Project data were validated using the following O&M Manual and Validation Functional Guideline, as modified for non-CLP methods.

1. Region I, EPA-NE Data Validation Functional Guidelines for Evaluation of Environmental Analyses (Dec, 1996).

2. Operations and Maintenance Manual for Installation Restoration Program at Naval Submarine Base New London (Nov, 2002).

The validation guideline exceedences are assessed and documented on the method specific data validation worksheets. On the ECC modified USEPA Region I data validation worksheets, the data quality acceptance criteria are presented, analytes requiring qualification based on laboratory historical control limits and/or validation guidance criteria exceedences are listed, assigned qualifiers, qualifying rationale is documented, and any potential bias noted. The overall evaluation of the data generated is presented in the data validation worksheet.

As an exception to the USEPA Region I data validation guidance, non-target ketone VOC data with response factors (RFs) less than the 0.05 were not qualified, as the Tier guidance allows for exceptions to the RF guidance.

Presented in this Master Data Validation Memorandum are the data validation reports for the Sample Data Groups (SDGs) presented in Table I. Data validation reports are presented for each SDG. The USEPA Region I Organic Regional Data Assessment (ORDA) sheet displays the summarized results of the data validation assessment for all analytical methods reported in the SDG.

Acronym and abbreviations used in the data validation reports are presented in Table II.

Standard EPA Region I data qualifiers are used to denote the assessment of data quality. Ancillary qualifiers are noted on the data validation worksheets. Data qualifiers are defined in Table III. The final and ranking assigned data qualifier for an analyte is presented in Table IV- Data Summary Table.

SAMPLE DATA GROUPS

The SVOC, PAH and metals (totals/dissolved) data were validated according to USEPA Region I Tier II criteria. All QC parameters applicable to the method and Tier II criteria were validated and documented in the data worksheets.

Laboratory: The samples were analyzed by Alpha Laboratory of Westborough, MA.
Sample Matrix: Groundwater. Tripblank matrix: Deionized water.

The project's analytical samples were grouped in the SDGs and analyzed for the parameters listed in Table 1.

Table I Sample Data Groups

Field Sample ID	Lab Sample ID	SVOCs 8270C	PAHs 8270C -SIM	Metals (totals) 6010B/6020A/ 7470A	Metals (dissolved) 6010B/6020A 7470	Water Quality Parameters
2-GW41DS-02	L0406051-01	X	X	X	X	X
2-GW42DS-02	L0406051-02	X	X	X	X	X
060204-02	L0406051-03	X	X	X	X	X
2-GW44DS-02	L0406051-04	X	X	X	X	X
4-GW1S-02	L0406051-05	X	X	X	X	X
2-SW20-02	L0406051-06	X	X	X	X	X
2-GW20S-02	L0406051-07	X	X	X	X	X
2-GW43DS-02	L0406051-08	X	X	X	X	X
2-SW24-02	L0406051-09	X	X	X	X	X
2-GW47DS-02	L0406051-10	X	X	X	X	X
2-GW21S-02	L0406051-11	X	X	X	X	X
60304	L0406051-12	X	X	X	X	X
2-GW38DS-02	L0406051-14	X	X	X	X	X
2-SW19-02	L0405940-01	X	X	X	X	X
60204	L0405940-02	X	X	X	X	X
3-GW37S-02	L0405940-03	X	X	X	X	X
3-SP01-02	L0405940-04	X	X	X	X	X
2-SW23-02	L0405940-05	X	X	X	X	X
3-GW12D-02	L0405940-06	X	X	X	X	X
2-GW45DS-02	L0405940-07	X	X	X	X	X
2-SW22-02	L0405940-08	X	X	X	X	X
2-SW21-02	L0405940-09	X	X	X	X	X
2-GW46DS-02	L0405940-10	X	X	X	X	X
2-SW18-02	L0405940-11	X	X	X	X	X
2-GW40DS-02	L0405940-12	X	X	X	X	X
2-GW39DS-02	L0405940-13	X	X	X	X	X

ACRONYMS AND ABBREVIATIONS

Following is a list of acronyms and abbreviations that may be used in the data validation reports.

Table II Acronyms and Abbreviations

Acronym / Abbreviation	Definition
%D	Percent difference
%R	Percent recovery
Ug/L	Microgram per liter
BEHP/2-BEHP	2-bis(ethylhexyl)phthalate
BFB	Bromofluorobenzene
CCB	Continuing calibration Blank
CCC	Continuing Check Compound
CCV	Continuing Calibration Verification
COC	Chain of custody
COPC	Contaminants of potential concern
CRI	standard at RL for ICP
CVAA	Cold vapor atomic absorption
DCB	Decachlorobiphenly
DFTPP	Decafluorotriphenylphosphine
DQO	Data quality objective
EB	Equipment blank
EPA	Environmental Protection Agency
FD	Field duplicate
GC	Gas Chromatography
GC/MS	Gas chromatography/mass spectrometry
HT	Holding time
ICAL	Initial calibration
ICS-A/AB	Interelement check standard A or AB
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standards
LCL	Lower control limit
LCS	Laboratory control sample
MDL	Method detection limit
MeCl	Methylene chloride
MS	Matrix spike
MSD	Matrix spike duplicate
MPC	Measurement performance criteria

Acronym / Abbreviation	Definition
NA	Not applicable
NC	Not calculated.
PAH	Polycyclic aromatic hydrocarbon
PCB	Polychlorinated biphenyls
PQL	Practical quantitation limit
QAPP	Quality Assurance Project Plan
QC	Quality control
RF	Response Factor
RPD	Relative percent difference
RRF	Relative response factor
RSD	Relative standard deviation
RT	Retention time
SDG	Sample Delivery Group
SOP	Standard Operation Procedure
SVOC	Semi-volatile organic compound
SPCC	System performance check compound
SQL	Sample Quantitation Limit
TB	Tripblank
TMX	Tetrachloro-m-xylene
TCX	Tetrachloro-m-xylene
TIC	Tentatively identified compound
UCL	Upper control limit
VOC	Volatile organic compound

DATA QUALIFIER REFERENCE TABLE

Data validation reports will summarize the samples reviewed, elements reviewed, any nonconformances with the established criteria, validation actions (including data qualifiers). Data qualifiers will be consistent with EPA Region I – New England guidelines and will consist of the following qualifiers listed in Table III:

Table III Data Qualifiers

USEPA Region I – Data Qualifier	USEPA Region I – Qualifier Definition
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
UJ	The analyte was not detected above the sample reporting limit; and the reporting limit is approximate
U	The sample was analyzed for, but was not detected above the sample reporting limit.
R	The sample result is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified

DATA VALIDATION MEMORANDUM – AREA A LANDFILL
O&M MONITORING SITES – NEW LONDON NSB
JUNE 2004 SAMPLING ROUND 14 (SDG 0406051 ALPHA LAB)

TO: ENGINEERING FIELD ACTIVITY NORTHEAST

FROM: JACKSON KIKER, ECC SENIOR CHEMIST, MARLBOROUGH, MA.

SUBJECT: NEW LONDON NSB – IRP O&M MONITORING SITES - SAMPLING ROUND-14, JUNE '04

DATE: 9/8/2004

Project data were validated using the following Validation Functional Guideline, as modified for non-CLP methods.

1. Region I, EPA-NE Data Validation Functional Guidelines for Evaluation of Environmental Analyses (Dec, 1996).

2. Operations and Maintenance Manual for Installation Restoration Program at Naval Submarine Base New London (Nov, 2002).

The validation guideline exceedences are assessed and documented on the method specific data validation worksheet. On the data validation worksheet, the data quality acceptance criteria are presented, analytes requiring qualification based on laboratory historical control limits and/or validation guidance criteria exceedences are listed, assigned qualifiers, qualifying rationale is documented, and any potential bias noted. The overall evaluation of the data generated is presented in the data validation worksheet.

Standard EPA Region I data qualifiers are used to denote the assessment of data quality. The final and ranking assigned data qualifier for an analyte is presented in the data summary table. Ancillary qualifiers are noted on the data validation worksheets.

As an exception to the USEPA Region I data validation guidance, non-target ketone VOC data with response factors (RFs) less than the 0.05 were not qualified, as the Tier guidance allows for exceptions to the RF guidance.

The USEPA Region I Organic Regional Data Assessment (ORDA) sheet displays the summarized results of the data validation assessment for all analytical methods reported in the SDG.

Region I, EPA-NE ORGANIC REGIONAL DATA ASSESSMENT

LAB NAME: Alpha Lab
SDG #:__0406051_____
EPA-NE DV TIER LEVEL:___II___
SITE NAME: Area A New London NSB – O&M

# of SAMPLES/MATRIX:___13-GW samples
VALIDATION CONTRACTOR:__ECC
VALIDATOR'S NAME: Jackson Kiker
DV Completion Date:_July 23, 2004
Date Sampled__02 & 03 June 2004 _____

ANALYTICAL DATA QUALITY SUMMARY

		SVOC	PAH	Metals
1	Preservation and HT	O	O	O
2	Instrument Performance Check	O	O	O
3	Initial Calibration:	O	O	O
4	Continuing Calibration:	O	M	O
5	Blanks:	O	O	M
6	Surrogate Compounds:	O	O	-
7	Internal Standards	O	O	-
8	Matrix Spike/Matrix Spike Duplicate:	O	O	M
9	Sensitivity Check:	O	O	O
10	PE Samples- Accuracy Check	M	O	O
11	Target Compound Identification:	O	O	O
12	Compound Quantitation and Reported QLs	O	O	O
13	Tentatively Identified Compounds:	-	-	-
14	Semivolatile/Pesticide/PCB Cleanup:	-	-	-
15	Data Completeness	O	O	O
16	Overall Evaluation of Data:	O	O	O

O = Data had no problems or were qualified due to minor contractual problems; M = Data were qualified due to major/systemic MPC exceedences: Z = Data were rejected as unusable due to major contractual problems.

ACTION ITEMS: (Z items): _

AREAS OF CONCERN: (M items): _.

SVOC: LCS recoveries within MPC limits except 2, 4-dimethylphenol.

PAH: CCV – in samples 01-04 phenanthrene and dibenzo(a,h)anthracene have %D outside MPC limits and in samples 04-15, benzo(a)anthracene, benzo(k)fluoranthene and benzo(ghi)perylene have %D outside MPC limits.

Metals: Sample results were qualified due to ICB and Preparation blank contaminations - please refer to the data review worksheets for the results that were qualified. MS %R's within limits for total and dissolved analyses except for Fe & Hg. Serial dilution: outside MPC limits for Fe.

ECC Region I Data Review Worksheet (rv 2) **SVOCs 8270C**
Project: New London Area A – ECC Job No. 5700 **Review Criteria: Region I Tier II Guidance & OM Manual (2002)**

Data Validation Level	Matrix	Preservation	Temperature Sample Receipt	Laboratory	SDG Number
Tier II	Aqueous	-	5-coolers 5, 5, 6, 5 & 5 °C	Alpha Laboratory Westborough, MA	0406051

Field Identification of Samples Evaluated:

Field Sample ID	Lab Sample ID
2-GW41DS-02	L0406051-01
2-GW42DS-02	L0406051-02
060204-02	L0406051-03 (FD for 02)
2-GW44DS-02	L0406051-04
4-GW1S-02	L0406051-05
2-SW20-02	L0406051-06
2-GW20S-02	L0406051-07
2-GW43DS-02	L0406051-08
2-SW24-02	L0406051-09
2-GW47DS-02	L0406051-10
2-GW21S-02	L0406051-11
60304	L0406051-12 (FD for 10)
2-GW38DS-02	L0406051-14

Note: Samples are described below in the data worksheets by reference to the last two digits of the Lab Sample Number.

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inve n-tory	QUAL	BIAS
COC, Sample Delivery Group Form.	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects 3) preserved per method (amber bottles, temperature, HCl (aq), MeOH/NAHSO4 (soils) (J, UJ, or R (function of HT and compound)	Cooler temperatures < 6 °C in all the coolers. Sample preservation using ice adequate. Sample custody transferred from Field Team Leader to lab sample courier in person. Unbroken Chain of Custody. No samples qualified.	X	-	
Holding Time	1) 7 Days aqueous – 14 days soil (extract 40 days) 2) J –detects, UJ or R –nondetects (function of time)	Sent on: 2nd & 3rd June, 2004. Extracted on: 7th June, 2004. Analyzed on: 12th and 13th June, 2004. Sample prepared/analyzed within holding times. No samples qualified.	X	-	
% Solids Check (SOLIDS)	30%<Solids: if no sample weight adjustment made (no USACE) 1) <10% R entire sample 2) 10%.> and <30%; J-detects, NDs -R	Not applicable	-	-	
Results > Cal Range or <Cal Range	1) >Upper Cal Range J-detects - ensure instrument blank performed 2) <PQL but >MDL – J –detects (estimated)	Data reported between the MDL and the MRL or exceeding upper calibration range are qualified as estimated (J). 3methylphenol/4-methylphenol result for sample 07 has a detected value less than MRL – qualified J.	X	3-methylphenol/ 4-methylphenol result for sample 07 is qualified J.	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inve n-tory	QUAL	BIAS
TICs (if reported)	1) *verify library search for samples and blanks	None Reported	X	-	
Internal Stds	1) IS are –50% to 200% of CCV 1) RRT<0.06 (30 sec) 2) IS>100% J-detects 3) IS<20%CCV NDs – R 4) IS>20%CCV <50%CCV NDs – UJ 5) *check for IS transcription errors	Internal standards are within MPC limits. No samples qualified.	X	-	
Equip Blank	< 5x (<10x common) contaminants for aq samples – for soil indicate EB (X rules don't apply)	Dedicated equipment – hence not collected/analyzed with this SDG	X	-	
Surrogates	Within historical laboratory limits Qualification: >UCL J –detects, %R<10% J –detects, R –NDs, %R >10% but <LCL% J-detects, UJ NDs	All surrogates within MPC limits for all samples – no sample qualifications.	X	-	
Lab Blanks (method blanks)	1) < 5x (<10x common) contaminants – U 2) analytes <lab PQL (contract lab) 3) no phthalates >5X QL (QAPP)	Lab blank is non-detect for all reported SVOCs. No samples qualified.	X	-	
LCS Recovery	1) Within historical laboratory limits listed in (QAPP) 10% and <LCL% J detects, UJ –NDs >UCL% J detects <10% R NDs, J-detects	All LCS recoveries within MPC limits except 2, 4-dimethylphenol. Results for this compound qualified UJ.	X	2, 4-dimethylphenol results qualified UJ.	
MS/MSD Recovery	1) Within historical laboratory limits (QAPP) (if MS > 4X native levels) Qualification of MS sample: <10% J detects, R NDs >10% and <70% J detects, UJ -NDs >130% J detects	Native sample is sample 02. All MS/MSD recoveries within MPC limits. No samples qualified.	X	-	
Cleanup Performance Check (if performed)	%R< 10% NDs-R detections J %R>10% <LCL (80%GPC) –detections J, NDs UJ %R>UCL (120%) – detections J Retention Time shift <5%, symmetrical peakshape. GPC check with interferants. Good surrogate recovery, GPC blank check – no carryover.(VOA/SV-IX-I6). Sulfur and High MW compounds removed. Symetrical peaks for all compounds,	NA	-	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inve n-tory	QUAL	BIA S
MS/MSD RPD	RPD =30% aq, <50% (S) J –detects in MS sample UJ-non detects	All MS/MSD RPDs are within MPC limits for all compounds. No samples qualified.	X	-	
Tune Check	Tune check within method parameters for DFTPP	The raw data sheets were used for validation. CCV tune check within limits.	X	-	
DDT degradation Instrument performance check	1) Breakdown <20% DDT 2) benzidine and pentachlorophenol at normal response - no peak trailing (<3.0 benz. , <5.0 penta.) Detections – J	Degradation checks performed with associated tune checks are all within limits.	X	-	
Field Dup RPD	1) RPD = 100% water; = 100% soil for Results > PQL (FD pair only) J-detects (both > PQL) 2) If one > PQL, other ND, J-detections, UJ non-detect 3) Other conditions use judgement	Field duplicate pairs: 02-03 & 10-12. All results non-detects in both pairs. Similar results for both the native samples and their field duplicates. No sample qualifications.	X	-	
Initial Cal (Linearity)	Correct calibration stds %RSD < 15% use average RF for calibration %RSD> 15% use least squares COD (r2) > 0.990 or correlation coefficient r> 0.995 or alternatively mean %RSD <15% for all target analytes, with no analyte %RSD>30% or %RSD<30% each target analyte 1) CCCs %RSD: <30% (acenatphthene, 1,4 dichlorobenzene, hexachlorobutadiene, dipheynlamin, di-n-octyl phthalate, fluoranthene, benzo(a)pyrene, 4-chloro-3-methylphenol, 2,4, dichlorophenol, 2-nitrophenol, phenol, pentachlorophenol, 2,4,6 trichlorophenol) J –detects, R or UJ NDs all samples associated with Ical)	Instrument: Buffy End date: 11 June '04 at 02:04. RRF>0.05 all SVOCs. RSD<15% and/or COD>0.99 criteria used for linearity of SVOC Ical. Acceptable linearity. No samples qualified based on ICAL.	X	-	
2nd Source ICV	%R (between ICV and Ical) analytes 80%--120% (USACE) %D ≤ 25%, (+ or -) once per 5 pt cal Qualification: J detects, R or UJ NDs	Instrument: Buffy Date: 11 June '04 at 02:29 (injection time) All %Ds within MPC limits for all compounds of concern. No samples qualified.	X		
CCV	1) SPCCs Average RRF: SPCCs n-nitroso-di-n-propylamine, hexachlorcyclopentdiene, 2,4 dinitrophenol, 4-nitrophenol. 2) RRF all compounds > 0.05 3) CCC: (acenatphthene, 1,4 dichlorobenzene, hexachlorobutadiene, dipheynlamin, di-n-octyl phthalate, fluoranthene, benzo(a)pyrene, 4-chloro-3-methylphenol, 2,4, dichlorophenol, 2-nitrophenol, phenol, pentachlorophenol, 2,4,6 trichlorophenol) 4) %D<20%. CCCs (QAPP -except surrogates).	CCV's on 11, 12 & 15 June 2004. %D within MPC limits for all compounds – no sample qualifications.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inve n-tory	QUAL	BIA S
	5) Qualification-J detects, R or UJ Nods 6) %D<25% all compounds (Tier I). 7) RRF exclusions: surrogates, 8) *verify same instrument and parameters 9) *Recalculate RRF for one tgt cmpd associated with each IS. (within 10%) 10) *Recalculate %D for one tgt cmpd associated with each IS (within 10%) 11) *IS RRT<0.06 units (30 sec) 12) * IS area -50 % to 100 % of last ICAL 13) *option-review preparation logs to ensure cal stds are traceable to NIST stds. 14) *option-recalculate cal std concentration of one std. Must agree within 10% of lab (option if information is in data package)				
Compound Quantitation	1) Check sensitivy (MDL< 1/3 PQL or per QAPP)	For target SVOCs the MDL< 1/3 PQL. Analytical sensitivity is adequate. Reporting limits are below the monitoring criteria for all compounds.	X	-	
Overall Evaluation of Data	1) Appropriate method 2) Evaluate any analytical problems 3) Evaluate sampling errors – field contamination, sample hold times	The laboratory accuracy and precision are acceptable. No apparent sample bias. Results are usable for making project decisions as qualified. Method blank; non-detect for all SVOCs. LCS recoveries within MPC limits except 2, 4-dimethylphenol. MS/MSD recoveries and RPDs: within MPC limits. Surrogate recoveries within MPC limits. ICAL; linear. ICV: within limits for all SVOCs. CCV: in limits. 3-methylphenol/ 4-methylphenol result for sample 07 is qualified J as it is less than RDL but greater than MDL. Sampling error – 2 FD pairs – 02-03 & 10-12. All results non-detects in both pairs. Acceptable sampling precision.	X	-	

*Tier III criteria.

Completeness Check: Inventory Check Sheet_____X__ Sample Quantitation Calculations (TIER III ONLY):

ECC Region I Data Review Worksheet (rv 2) **PAH 8270C - SIM**
Project: New London Area A ECC Job No. 5700 **Review Criteria: Region I Tier II Guidance & OM Manual(2002)**

Data Validation Level	Matrix	Preservation	Temperature Sample Receipt	Laboratory	SDG Number
Tier II	Aqueous	-	8-coolers 0.8, 1.2, 2.2, 1.9, 4.6, 1.2, 1.9 & 4.6 °C	Alpha Laboratory Westborough, MA	0406051

Field Identification of Samples Evaluated:

Field Sample ID	Lab Sample ID
2-GW41DS-02	L0406051-01
2-GW42DS-02	L0406051-02
060204-02	L0406051-03
2-GW44DS-02	L0406051-04
4-GW1S-02	L0406051-05
2-SW20-02	L0406051-06
2-GW20S-02	L0406051-07
2-GW43DS-02	L0406051-08
2-SW24-02	L0406051-09
2-GW47DS-02	L0406051-10
2-GW21S-02	L0406051-11
60304	L0406051-12
2-GW38DS-02	L0406051-14

Note: Samples are described below in the data worksheets by reference to the last two digits of the Lab Sample Number.

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED	Inven-tory	QUAL	BIAS
COC, Sample Delivery Group Form.	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects 3) preserved per method (amber bottles, temperature, HCl (aq), MeOH/NAHSO4 (soils) (J, UJ, or R (function of HT and compound)	Cooler temperatures < 6 °C in all the coolers. Sample preservation using ice adequate. Sample custody transferred from Field Team Leader to lab sample courier in person. Unbroken Chain of Custody. No samples qualified.	X	-	
Holding Time	1) 7 Days water, 40 to analysis 2) J –detects, UJ or R –nondetects (function of time)	Sent on: 2nd & 3rd June, 2004. Extracted on: 7th June, 2004. Analyzed on: 10th and 11th June, 2004. Sample prepared/analyzed within holding times. No samples qualified.	X	-	
% Solids Check (SOLIDS)	30%<Solids: if no sample weight adjustment made (no USACE) 1) <10% R entire sample 2) 10%.> and <30%; J-detects, NDs -R	Not applicable	-	-	
Results > Cal Range or <Cal Range	1) >Upper Cal Range J-detects - ensure instrument blank performed 2) <PQL but >MDL – J –detects (estimated)	Results > MDL but < MRL are qualified J. Please see attached data summary table for all such results. No results exceeding upper calibration range.	X	Results < MRL but > MDL are qualified UJ.	
Equip Blank	< 5x (<10x common) contaminants for aq samples – for soil indicate EB (X rules don't apply)	Not applicable. Equipment blank not collected/analyzed with this SDG.	-	-	

ECC Region I Data Review Worksheet (rv 2) **PAH 8270C - SIM**
Project: New London Area A ECC Job No. 5700 **Review Criteria: Region I Tier II Guidance & OM Manual(2002)**

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED	Inven-tory	QUAL	BIAS
Surrogates	1) Surrogate acceptance limits Nitrobenzene-d5, 2-Fluorobiphenyl & p-Terphenly-d14 within QAPP limits. Qualification: >UCL J –detects, %R<10% J –detects, R –NDs,	All surrogate recoveries within MPC limits. No samples qualified.	X	-	
Lab Blanks (method blanks)	1) < 5x (<10x common) contaminants – U 2) analytes <lab PQL (contract lab)	All method blanks were non-detects for PAHs. No samples qualified.	X	-	
LCS Recovery	1) QAPP limits 10% and <LCL% J detects, UJ -NDs >UCL% J detects <10% R NDs, J-detects	LCS %R within MPC limits. No samples qualified	X	-	
MS/MSD Recovery	1) QAPP limits (if MS > 4X native levels) Qualification of MS sample: <10% J detects, R NDs >10% and <70% J detects, UJ -NDs >130% J detects	Native sample – sample 02. MS/MSD %R's within limits. No samples qualified.	X	-	
MS/MSD RPD	RPD =30% solid, 30%. J –detects in MS sample UJ-non detects	MS/MSD RPD within MPC limits. Laboratory precision acceptable. No samples qualified.	X		
Cleanup Performance Check (if performed)	%R< 10% NDs-R detections J %R>10% <LCL (80%GPC) –detections J, NDs UJ %R>UCL (120%) – detections J Retention Time shift <5%, symmetrical peakshape. GPC check with interferants.	NA	-	-	
Retention times	Within 3X standard deviation for each analyte from 72-hour study Exceeds: R qualify data	Retention times within limits.	X	-	
Field Dup RPD	1) RPD = 100% water & soil for Results > X PQL (FD pair only) J-detects (both > X PQL) 2) If one >X PQL, other ND, J-detections, UJ non-detect 3) Other conditions use judgement	Field duplicate pairs: 02-03 & 10-12. All results non-detects in the 10-12 pair. Acenaphthene is the only detection in the 02-03 pair – RPD within MPC limits. Please see attached FD worksheet for the RPD value.	X		
Initial Cal (Linearity)	Correct calibration stds %RSD < 15% use average RF for calibration %RSD> 15% use least squares COD (r2) > 0.990 or correlation coefficient r> 0.995 or alternatively mean %RSD <20% for all target analytes, with no analyte %RSD>40% Resolution check mix –valley 60% hgt of shortest peak (CLP criteria only) Performance check mix - >90% (PEM) (CLP criteria only) SW-846 PEM –endirn/DDT breakdown evaluation. Blank and Performance Evaluation Mix (PEM) at start, and blank and midpoint Individual Standard Mix A (ISMA) and ISMB at end or samples(CLP only)	16 April 2004 at 15:34 (end time). Instrument – Mindy %RSD<20% ICAl linear. No samples qualified RRF>0.05	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED	Inven-tory	QUAL	BIAS
2nd Source ICV	%R (between ICV and Ical) analytes %D ≤ 20%, (+ or -) once per 5 pt cal Qualification: J detects, R or UJ NDs	16 April 2004 at 16:18 (injection time). Instrument – Mindy ICV %D within MPC limits for all compounds. No samples qualified.	X	-	
CCV	1) 15% of initial calib. Curve (85%-115%) If low re-calibrate per method. If high no recalibration needed. J qualify data. 2) 15% D 3) Qualification-J detects, R or UJ NDs	Date: 10 (01-04) & 11 (05-14) June 2004. %D > 15% on June 10 for phenanthrene and dibenzo(a,h)anthracene. Results in samples 01-04 for these compounds are qualified J for detects and UJ for non-detects. %D > 15% on June 11 for benzo(a)anthracene, benzo(k)fluoranthene and benzo(ghi)perylene. Results in samples 05-14 for these compounds are qualified J for detects and UJ for non-detects.	X	Following results are qualified with J for detects and UJ for non-detects: Phenanthrene and dibenzo(a,h)anthracene results in samples 01-04, benzo(a)anthracene, benzo(k)fluoranthene and benzo(ghi)perylene results in samples 05-14.	
Tune Check	Tune check within method parameters for DFTPP	Ical tune check within limits. And CCV tune check within limits. Raw data was used to check the tunes. No samples qualified. Degradation checks associated with sample analysis and ICAL tune checks with limits.	X	-	
Internal Stds	1) IS are –50% to 200% of CCV 1) RRT<0.06 (30 sec) 2) IS>100% J-detects 3) IS<20%CCV NDs – R 4) IS>20%CCV <50%CCV NDs – UJ 5) *check for IS transcription errors	Internal standards are within MPC limits. No samples qualified.	X	-	
Sensitivity	1) MDL study – 7 replicates (40 CFR) 2) Surrogates %R 80-120%, 2) %R <10 ND- (R) , J- detects 3) 10%> but <80% , judgement 4) %R>120% J-detects 5) QC, RRT meet criteria, 6) %RSD < 20% 7) MDL< MQL (3x less ideal) 8) Lab fortified blank (see VOA/SV Part II –section X). *Check and recalculate %RSDs and %R for three compounds (with 10% of lab)	Reporting limit is less than the primary monitoring criterion for all compounds.	X	-	
Compound Quantitation	1) Check sensitivy (MDL< 1/3 PQL or per QAPP	RDL> Project Reporting Limit but well below the groundwater criterion for all compounds. All MDLs< PRL. Acceptable sensitivity for all compounds. No samples qualified.	X	-	

ECC Region I Data Review Worksheet (rv 2) **PAH 8270C - SIM**
Project: New London Area A ECC Job No. 5700 **Review Criteria: Region I Tier II Guidance & OM Manual(2002)**

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED	Inven-tory	QUAL	BIAS
Overall Evaluation of Data	1) Appropriate method 2) Evaluate any analytical problems 3) Evaluate sampling errors – field contamination, sample hold times	The laboratory accuracy and precision are acceptable. No apparent sample bias. Data are usable for project decisions as qualified. All results below RL but > MDL are qualified as estimated (J). All surrogate, LCS and MS/MSD recoveries within MPC limits. MS/MSD RPDs within MPC limits. ICAL is linear. ICV: within MPC limits. CCV; in the run applicable to samples 01-04 phenanthrene and dibenzo(a,h)anthracene have %D outside MPC limits. In the run applicable to samples 04-15, benzo(a)anthracene, benzo(k)fluoranthene and benzo(ghi)perylene have %D outside MPC limits. All the aforementioned results are qualified J for detects and UJ for non-detects. Sampling error – 2 FD pairs – 02-03 & 10-12; acenaphthene the only detection in 02-03 pair. RPD within MPC limits. Acceptable sampling precision.	X	-	

(*Tier III criteria)

Completeness Check: Inventory Check Sheet_____X__ Sample Quantitation Calculations (TIER III ONLY):

ECC Region I Data Review Worksheet (rv 2)
Project: New London Area ECC Job No. 5700

Metals 6010B/7000
Review Criteria: Region I Tier II Guidance & OM Manual(2002)

Data Validation Level	Matrix	Preservation	Temperature Sample Receipt	Laboratory	SDG Number
Tier II	Aqueous	HNO3	5-coolers 5, 5, 6, 5 & 5 °C	Alpha Laboratory Westborough, MA	0406051

Field Identification of Samples Evaluated:

Field Sample ID	Lab Sample ID
2-GW41DS-02	L0406051-01
2-GW42DS-02	L0406051-02
060204-02	L0406051-03 (FD for 02)
2-GW44DS-02	L0406051-04
4-GW1S-02	L0406051-05
2-SW20-02	L0406051-06
2-GW20S-02	L0406051-07
2-GW43DS-02	L0406051-08
2-SW24-02	L0406051-09
2-GW47DS-02	L0406051-10
2-GW21S-02	L0406051-11
60304	L0406051-12 (FD for 10)
2-GW38DS-02	L0406051-14

Al, Ca, Mg, Mn, Fe, Na & K are analyzed by 6010B, Hg by 7470A and all other metals are analyzed by 6020A.
Note: Samples are described below in the data worksheets by reference to the last two digits of the Lab Sample Number.

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
COC, Sample Delivery Group Form.	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects 3) preserved per method (amber bottles, temperature, HCl (aq), MeOH/NAHSO4 (soils) (J, UJ, or R (function of HT and compound)	Cooler temperatures < 6 °C in all the coolers. Sample preservation using ice adequate. Sample custody transferred from Field Team Leader to lab sample courier in person. Unbroken Chain of Custody. pH > 2 for 3 dissolved metals samples and a total metals sample but preserved with HNO_3 as soon as the lab received. No samples qualified.	X	-	
Holding Time	1) 180 days (6010), Hg 28 Days to analysis 2) J –detects, UJ or R –nondetects (function of time)	Sent on: 02 & 03 June 2004. All samples extracted and analyzed by 18 June 2004. Samples analyzed within holding time. No samples qualified.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
Lab Duplicate	1) RPD < 20% 1) If both values > PQL 2) Qualify samples in batch: detects J, NDs UJ	Native sample – sample 02 for total metals and dissolved metals. Dissolved Hg, Pb & Zn and total Hg & Be have RPD's outside MPC limits Lab duplicate RPDs within MPC limits for all other total and dissolved metals. Laboratory precision adequate. No other samples qualified.	X	Dissolved Hg, Pb & Zn and total Be & Hg results – all detections qualified J and non-detects qualified UJ (except the ones qualified U due to blank contamination)	
LCS Recovery	1) once per sample batch 2) 75-125% water, soil, QAPP limits. 3) <LCL% Reject 4) >UCL% detects J	LCS %R's acceptable. No samples qualified.	X	-	
Field Dup RPD	1) RPD = 50% water & soil for Results > X PQL (FD pair only) J-detects (both > X PQL) 2) If one >X PQL, other ND, J-detections, UJ non-detect	Two field duplicate pairs – 02-03 & 10-12. RPD's outside MPC limits for total Se and dissolved Fe in 02-03. In the 10-12 pair, RPD's outside MPC limits for total Sb, total Pb, total Zn and dissolved Zn. In all the aforementioned metals the samples making up the pair are qualified J for detects and UJ for non-detects.	X	Total Se and dissolved Fe in samples 02 & 03 and total Sb, total Pb, total Zn and dissolved Zn in samples 10 & 12 are qualified J for detects and UJ for non-detects.	
% Solids Check (SOLIDS)	30%<Solids: if no sample weight adjustment made 1) <10% R entire sample 2) 10%.> and <30%; J-detects, NDs -R	Not applicable	-	-	
Results > Cal Range or <Cal Range	1) >Upper Cal Range J-detects - ensure instrument blank performed 2) <PQL but >MDL – J –detects (estimated)	Results less than the method reporting limits and greater than the method detection limit are qualified J. See data summary table.	X	J qualify results < PQL and > MDL.	
Lab Blanks (method blank or p reparation blank)	1) Once per sample batch 2) Results> QL; sample results <5X ; sample result U (nd) 3) Sample results >5X blank level; no action	(all results below in mg/L) Method 6010B – only prep blank detection is Ca – 0.027 for total metals – no qualifications. Method 6020A All prep blank detections that resulted in qualifications have been discussed below.	X	All dissolved Mo results except samples 10, 12 & 14 are qualified U. Total Pb results in	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
		Dissolved metals: Mo – 0.00018, < 0.0009 qualified U. CCB had higher detection levels than prep blank. Total metals: Cr – 0.00004, < 0.0002 qualified U. ICB had higher detection levels than prep blank. Pb – 0.00005, < 0.00025 qualified U – samples 05 & 08 qualified U. Mo – 0.00013, < 0.00065 qualified U – all samples except 09, 10, 12 & 14 qualified U.		samples 05 & 08 and total Mo results in all samples except 09, 10, 12 & 14 are qualified U.	
MS Recovery	1) 75-125% GFAA/ICP if MS > 4X native levels) Qualification of MS sample: 2) <30% J detects, R NDs 3) 30%--74%, detects J, NDs UJ >125% J detects	Native sample – sample 02 for total metals and dissolved metals. MS %R's within limits for total and dissolved analyses except for Fe & Hg. Fe spike << 4X native sample level. All total and dissolved Hg results qualified J for detects and UJ for non-detects.	X	Total & dissolved Hg results qualified J for detects and UJ for non-detects.	
Sensitivity*	1) MDL study – 7 replicates (40 CFR) 2) Surrogates %R 80-120%, 1) %R <10 ND- (R) , J- detects 2) 10%> but <80% , judgement 3) %R>120% J-detects 4) %RSD < 20% 5) MDL< MQL (3x less ideal) 6) Lab fortified blank (see VOA/SV Part II – section X). 7) *Check and recalculate %RSDs and %R fir three compounds (with 10% of lab)	Lab RL < OM RL & the selected criterion for all metals except in Cd wherein some samples had to be diluted due to signal supression high levels of Na.	X	-	
Equip Blank	< 5x contaminants for aq samples – for soil indicate EB (X rules don't apply)	Equipment blank not collected/analyzed with this SDG.	-	-	
Negative blanks	If negative values are reported for an analyte with absolute value >DL and sample value is <5X the absolute value of the blank or is nondetect Qualify detects as estimated (J) Nondetects as estimated (UJ)	No analyte detections for target metals All negative blanks < DL. No samples qualified.	X	-	
Initial Cal Multipoint	1) 6010: 1 std and blank and low-level check at MQL – check std 20% 2) 3 stds and a blank- R = 0.995	ICAL performed according to method. Two point calibration and check standards. The pre-analysis check standard was within limits.	X	-	
Initial Calibration Blanks	1) Ical blank after Ical 2) Results > QL; sample results <5X ; sample result U (nd) 3) Sample results >5X blank level; no action	(All results below in mg/L) Only the detections that led to qualifications have been discussed below. Dissolved metals: CCB's had higher detection levels for Sb, Be, Cd, Co, Pb, Mo, Ag, Tl & V. Cr – 0.00004, < 0.0002 qualified U – samples 05, 06 & 09 qualified U. Ni – 0.00023, < 0.00115 qualified U – samples 05 & 06 qualified U. Total metals:	X	Dissolved metals: Cr in samples 05, 06 & 09 and Ni in samples 05 & 06 are qualified U. Total metals: Sb, As, Cr & V in	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
		Sb – 0.00006, < 0.0003 qualified U – sample 05 qualified U. As – 0.00007, < 0.00035 qualified U – sample 05 qualified U. Be – 0.00006, < 0.0003 qualified U – all samples except 09 qualified U. Cr – 0.00007, < 0.00035 qualified U – sample 05 qualified U. Co – 0.00005, < 0.00025 qualified U – samples 05 & 06 qualified U. Se – 0.00222, < 0.0111 qualified U – samples 01, 03, 05, 09 & 10 qualified U. Ag – 0.00004, < 0.0002 qualified U – detections in 01, 04, 05, 08 & 11 qualified U. Tl – 0.00005, < 0.00025 qualified U – detections in 01, 03, 04 & 05 qualified U. V – 0.00006, < 0.0003 qualified U – sample 05 qualified U.		sample 05, Be in all samples except 09, Co in samples 05 & 06, Se in samples 01, 03, 05, 09 & 10, Ag in samples01, 04, 05, 08 & 11 and Tl in samples 01, 03, 04 & 05 are qualified U.	
Continuing Calibration Blanks	1) CCB every 10 samples end of run 2) Results > QL; sample results <5X ; sample result U (nd) 3) Sample results >5X blank level; no action	All detections in 6020A. Of the 11 CCB's analysed, 9, 10 & 11 are applicable to the samples (all the results below are in mg/L). Dissolved metals: Sb – 0.00007, < 0.00035 qualified U – samples 04, 05, 06, 07, 09, 10 & 12 qualified U. Be – 0.00006, < 0.00030 qualified U – all detections - samples 01, 03, 04, 05, 08, 10, 11 & 12 qualified U. Cd – 0.00006, < 0.00030 qualified U – sample 05 (only detection) qualified U. Co – 0.00006, < 0.00030 qualified U – samples 05 & 06 qualified U. Pb – 0.00006, < 0.00030 qualified U – all samples except 14 qualified U. Mo – 0.00027, <0.00135 qualified U – all samples except 10, 12 & 14 qualified U. Ag – 0.00007, < 0.00035 qualified U – all detections - samples 01, 03, 04, 05, 08 & 11 qualified U. Tl – 0.00007, < 0.00035 qualified U – all detections - samples 03, 04, 05, 06, 07 & 08 qualified U. V – 0.00005, < 0.00025 qualified U – samples 05 & 06 qualified U. Total metals: For all metals detected, ICB's had higher detection levels than CCB's.	X	Dissolved metals: Sb in samples 04, 05, 06, 07, 09, 10 & 12, all Be, Cd, Ag & Tl detections, Co & V in samples 05 & 06, Pb in all samples except 14 and Mo in all samples except 10, 12 & 14 are qualified U.	
Serial Dilution	1) once per digestion batch 2) Meets method limits (RPD 10%). 3) Metal results >50X MDL levels.	SD on native sample 02 performed for Ba among the compounds analyzed by 6020A. %D's within MPC limits for Site COCs except for Fe. No apparent matrix bias.	X	Fe results qualified J for detects and UJ for non-detects.	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
Interelement checks ICS-A, ICS-AB Instrument performance check	1) start of sequence 2) 80-120% target analytes 3) >120% ; detects J (ICS-AB) 4) 50%-79% R ICS-AB; detects J, NDs – UJ 5) <50% R – reject data 6) ICS-A response > DL and samples have <5X ICS-A response: detects J	ICS's %R's within MPC limits for COC elements. No samples qualified.	X	-	
2nd Source ICV	1) following calibration 2) 90- 110% Recovery (6010/7000) 3) 75%-89% R – detects J, NDs – UJ 4) 111-125% R – detects J 5) outside 75-125% R – reject data (R)	Within limits of MPC. No samples qualified.	X	-	
CCV	1) every 10 samples and end of run 2) 90- 110% Recovery (6010) Hg; 80-120% 3) 6010: 75%-89% R Hg, 65-79% R; – detects J, NDs – UJ. 4) 6010: 111-125%, Hg: 121-135% detects J 5) 6010: outside 75-125%, Hg; outside 65-135%; R – reject data (R)	Within limits of MPC. No samples qualified.	X	-	
Post Digestion Spike	1) 75- 125% R	PDS not performed as MS %R's within MPC limits for Site COCs analyzed by ICP.	X	-	
*MDL Study	1) *In accordance with 40CFR – seven replicates %RSD < 20% 2) * IS and retention times within method requirements 3) * performed annually 4) *MDL is at least ½ of PQL *tgt and surrogate 80-120% R	NA	-	-	
*System Performance	1)* evaluate PES, MS//MSD, cal STDs, MDS study, and surrogates for systemic bias – high or low and access system accuracy 3) *Matrix effects- MS/MSD, surrogated, PDS. 4) *overall system contamination-review all blanks for systemic or sporadic contamination	NA	-	-	
*Single Blind PE	1) Qualify associated samples in PES batch PES = ND, Detects J – ND PE analytes in samples, NDs – R 5) PES > acceptance criteria – Detects in samples J, 6) PES<acceptance criteria – Detects J, NDs –R 7) VOA/SV-XI14 other criteria 8) *% of PES sample above and below criteria 9) *Recalculate concentrations for one tgt compound per PES (10% of lab)	NA	-	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
Overall Evaluation of Data	1) Appropriate method 2) Evaluate any analytical problems 3) Evaluate sampling errors – field contamination, sample hold times	Laboratory accuracy and precision is acceptable. Accuracy is shown by the LCS being within MPC limits. The ICS-A, and ICS-AB were within limits for all elements. Dissolved Hg, Pb & Zn and total Hg & Be have RPD's outside MPC limits Prep blank, ICB and CCB contamination necessitated U qualifiers to be assigned to some of the results – the list of results and the qualifiers can be obtained from the above tables or from the data summary tables. ICAL; 2-point calibration. ICV: within MPC limits. CCV: within MPC limits. MS %R's within limits for total and dissolved analyses except for Fe & Hg. No apparent matrix bias for all other metals. Serial dilution: outside MPC limits for Fe. Two field duplicate pairs – 02-03 & 10-12. RPD's outside MPC limits for total Se and dissolved Fe in 02-03. In the 10-12 pair, RPD's outside MPC limits for total Sb, total Pb, total Zn and dissolved Zn. Acceptable sampling precision for all other metals.	X	-	

*TIER III DATA VALIDATION ONLY Completeness Check: Inventory Check Sheet___X_Sample Quantitation Calculations (TIER III DATA VALIDATION ONLY):

Data Summary Table - Round 14 - June 2004, Area A - SDG 0406051

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-GW41DS-02	2-Jun-04	L0406051-01	2320B	ALKALINITY, TOTAL	1600		mg CaCO3/L		5	1	2.5
2-GW41DS-02	2-Jun-04	L0406051-01	2540C	SOLIDS, TOTAL DISSOLVED	11000		mg/l		10	2.8	1
2-GW41DS-02	2-Jun-04	L0406051-01	2540D	SOLIDS, TOTAL SUSPENDED	34		mg/l		10		2
2-GW41DS-02	2-Jun-04	L0406051-01	9251	CHLORIDE	5300		mg/l		200	0 36	200
2-GW41DS-02	2-Jun-04	L0406051-01	9038	SULFATE	15		mg/l		10	1 4	1
2-GW41DS-02	2-Jun-04	L0406051-01	5220D	CHEMICAL OXYGEN DEMAND	490		mg/l		20	4.2	1
2-GW41DS-02	2-Jun-04	L0406051-01	9060	TOTAL ORGANIC CARBON	55		mg/l		20	1.7	40
2-GW41DS-02	2-Jun-04	L0406051-01	2340B	HARDNESS	1700		mg/l		330		200
2-GW41DS-02	2-Jun-04	L0406051-01	6010B	ALUMINUM, TOTAL	0.3		mg/l		0.1	0.019	1
2-GW41DS-02	2-Jun-04	L0406051-01	6020A	ANTIMONY, TOTAL	0 0014		mg/l		0 001	0 000022	1
2-GW41DS-02	2-Jun-04	L0406051-01	6020A	ARSENIC, TOTAL	0.0041		mg/l		0.001	0 000034	1
2-GW41DS-02	2-Jun-04	L0406051-01	6020A	BARIUM, TOTAL	0.0484		mg/l		0 001	0.000038	1
2-GW41DS-02	2-Jun-04	L0406051-01	6020A	BERYLLIUM, TOTAL	0.00005	U	mg/l		0.001	0.000015	1
2-GW41DS-02	2-Jun-04	L0406051-01	6020A	CADMIUM, TOTAL		U	mg/l		0.0005	0.00017	5
2-GW41DS-02	2-Jun-04	L0406051-01	6010B	CALCIUM, TOTAL	130		mg/l		20	3	200
2-GW41DS-02	2-Jun-04	L0406051-01	6020A	CHROMIUM, TOTAL	0.0162		mg/l		0 001	0.000031	1
2-GW41DS-02	2-Jun-04	L0406051-01	6020A	COBALT, TOTAL	0.0014		mg/l		0.001	0.000017	1
2-GW41DS-02	2-Jun-04	L0406051-01	6020A	COPPER, TOTAL	0 0037		mg/l		0 001	0.000172	1
2-GW41DS-02	2-Jun-04	L0406051-01	6010B	IRON, TOTAL	2	J	mg/l		0.05	0.013	1
2-GW41DS-02	2-Jun-04	L0406051-01	6020A	LEAD, TOTAL	0 0008		mg/l		0.0005	0 000028	1
2-GW41DS-02	2-Jun-04	L0406051-01	6010B	MAGNESIUM, TOTAL	340		mg/l		20	2 7	200
2-GW41DS-02	2-Jun-04	L0406051-01	6010B	MANGANESE, TOTAL	0 14		mg/l		0 01	0 0006	1
2-GW41DS-02	2-Jun-04	L0406051-01	7470A	MERCURY, TOTAL	2.49E-05	J	mg/l		0 0002	0 000012	1
2-GW41DS-02	2-Jun-04	L0406051-01	6020A	MOLYBDENUM, TOTAL	0 0005	U	mg/l		0 001	0.00003	1
2-GW41DS-02	2-Jun-04	L0406051-01	6020A	NICKEL, TOTAL	0.0069		mg/l		0 001	0 000024	1
2-GW41DS-02	2-Jun-04	L0406051-01	6010B	POTASSIUM, TOTAL	180		mg/l		2.5	0.094	1
2-GW41DS-02	2-Jun-04	L0406051-01	6020A	SELENIUM, TOTAL	0 011	U	mg/l		0.002	0.000298	1
2-GW41DS-02	2-Jun-04	L0406051-01	6020A	SILVER, TOTAL	0 00005	U	mg/l		0 001	0 000025	1
2-GW41DS-02	2-Jun-04	L0406051-01	6010B	SODIUM, TOTAL	2900		mg/l		400	63	200
2-GW41DS-02	2-Jun-04	L0406051-01	6020A	THALLIUM, TOTAL	0.00003	U	mg/l		0 001	0 000026	1
2-GW41DS-02	2-Jun-04	L0406051-01	6020A	VANADIUM, TOTAL	0.0101		mg/l		0.001	0.00003	1
2-GW41DS-02	2-Jun-04	L0406051-01	6020A	ZINC, TOTAL	0 0285		mg/l		0 005	0.000298	1
2-GW41DS-02	2-Jun-04	L0406051-01	6010B	ALUMINUM, DISSOLVED		U	mg/l		0.1	0 019	1
2-GW41DS-02	2-Jun-04	L0406051-01	6020A	ANTIMONY, DISSOLVED	0.0011		mg/l		0.001	0.000022	1
2-GW41DS-02	2-Jun-04	L0406051-01	6020A	ARSENIC, DISSOLVED	0 0045		mg/l		0 001	0.000034	1
2-GW41DS-02	2-Jun-04	L0406051-01	6020A	BARIUM, DISSOLVED	0 0464		mg/l		0 001	0.000038	1
2-GW41DS-02	2-Jun-04	L0406051-01	6020A	BERYLLIUM, DISSOLVED	0 00003	U	mg/l		0.001	0 000015	1
2-GW41DS-02	2-Jun-04	L0406051-01	6020A	CADMIUM, DISSOLVED		U	mg/l		0.0001	0.000034	1
2-GW41DS-02	2-Jun-04	L0406051-01	6010B	CALCIUM, DISSOLVED	96		mg/l		0.1	0.015	1
2-GW41DS-02	2-Jun-04	L0406051-01	6020A	CHROMIUM, DISSOLVED	0.0091		mg/l		0.001	0.000031	1
2-GW41DS-02	2-Jun-04	L0406051-01	6020A	COBALT, DISSOLVED	0.001		mg/l		0 001	0.000017	1
2-GW41DS-02	2-Jun-04	L0406051-01	6020A	COPPER, DISSOLVED	0 0032		mg/l		0 001	0.000172	1
2-GW41DS-02	2-Jun-04	L0406051-01	6010B	IRON, DISSOLVED	0.53	J	mg/l		0.05	0 013	1
2-GW41DS-02	2-Jun-04	L0406051-01	6020A	LEAD, DISSOLVED	0.00009	U	mg/l		0 0005	0.000028	1
2-GW41DS-02	2-Jun-04	L0406051-01	6010B	MAGNESIUM, DISSOLVED	280		mg/l		0 1	0.014	1
2-GW41DS-02	2-Jun-04	L0406051-01	6010B	MANGANESE, DISSOLVED	0.14		mg/l		0 01	0 0006	1
2-GW41DS-02	2-Jun-04	L0406051-01	7470A	MERCURY, DISSOLVED		UJ	mg/l		0.0002	0.000012	1
2-GW41DS-02	2-Jun-04	L0406051-01	6020A	MOLYBDENUM, DISSOLVED	0 00034	U	mg/l		0.001	0.00003	1
2-GW41DS-02	2-Jun-04	L0406051-01	6020A	NICKEL, DISSOLVED	0 0054		mg/l		0 001	0 000024	1
2-GW41DS-02	2-Jun-04	L0406051-01	6010B	POTASSIUM, DISSOLVED	180		mg/l		2 5	0 094	1
2-GW41DS-02	2-Jun-04	L0406051-01	6020A	SELENIUM, DISSOLVED	0.011		mg/l		0.002	0.000298	1
2-GW41DS-02	2-Jun-04	L0406051-01	6020A	SILVER, DISSOLVED	0 00003	U	mg/l		0 001	0.000025	1
2-GW41DS-02	2-Jun-04	L0406051-01	6010B	SODIUM, DISSOLVED	2900		mg/l		400	63	200
2-GW41DS-02	2-Jun-04	L0406051-01	6020A	THALLIUM, DISSOLVED		U	mg/l		0.001	0.000026	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-GW41DS-02	2-Jun-04	L0406051-01	6020A	VANADIUM, DISSOLVED	0 0087		mg/l		0.001	0.00003	1
2-GW41DS-02	2-Jun-04	L0406051-01	6020A	ZINC, DISSOLVED	0 00358	J	mg/l		0.005	0 000298	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	1,2,4-TRICHLOROBENZENE		U	ug/l		5	1 3	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	HEXACHLOROBENZENE		U	ug/l		5	1.6	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	BIS(2-CHLOROETHYL)ETHER		U	ug/l		5	1.3	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	1,2-DICHLOROBENZENE		U	ug/l		5	1.1	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	1,3-DICHLOROBENZENE		U	ug/l		5	1	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	1,4-DICHLOROBENZENE		U	ug/l		5	0.96	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	3,3'-DICHLOROBENZIDINE		U	ug/l		50	2 6	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	2,4-DINITROTOLUENE		U	ug/l		6	0.48	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	2,6-DINITROTOLUENE		U	ug/l		5	0 96	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	4-CHLOROPHENYL PHENYL ETHER		U	ug/l		5	0 96	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	4-BROMOPHENYL PHENYL ETHER		U	ug/l		5	0 99	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	ug/l		5	2 2	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	BIS(2-CHLOROETHOXY)METHANE		U	ug/l		5	1 6	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	HEXACHLOROBUTADIENE		U	ug/l		10	2 1	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	HEXACHLOROETHANE		U	ug/l		5	0 97	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	ISOPHORONE		U	ug/l		5	1 6	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	NITROBENZENE		U	ug/l		5	1 6	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	ug/l		15	4 2	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	N-NITROSODI-N-PROPYLAMINE		U	ug/l		5	1 6	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	BIS(2-ETHYLHEXYL)PHTHALATE		U	ug/l		10	1 6	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	BUTYL BENZYL PHTHALATE		U	ug/l		5	0 67	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	DI-N-BUTYLPHTHALATE		U	ug/l		5	0 5	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	DI-N-OCTYLPHTHALATE		U	ug/l		5	0.54	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	DIETHYL PHTHALATE		U	ug/l		5	1 6	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	DIMETHYL PHTHALATE		U	ug/l		5	1 6	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	4-CHLOROANILINE		U	ug/l		5	1 4	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	2-NITROANILINE		U	ug/l		5	1.1	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	3-NITROANILINE		U	ug/l		5	1.1	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	4-NITROANILINE		U	ug/l		7	1 3	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	DIBENZOFURAN		U	ug/l		5	0.92	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	2,4,6-TRICHLOROPHENOL		U	ug/l		5	1.2	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	P-CHLORO-M-CRESOL		U	ug/l		5	1 5	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	2-CHLOROPHENOL		U	ug/l		6	1 8	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	2,4-DICHLOROPHENOL		U	ug/l		10	2.1	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	2,4-DIMETHYLPHENOL		UJ	ug/l		10	3 1	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	2-NITROPHENOL		U	ug/l		20	2 3	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	4-NITROPHENOL		U	ug/l		10	1 6	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	2,4-DINITROPHENOL		U	ug/l		20	1	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	4,6-DINITRO-O-CRESOL		U	ug/l		20	1 4	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	PENTACHLOROPHENOL		U	ug/l		20	1.6	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	PHENOL		U	ug/l		7	1 2	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	2-METHYLPHENOL		U	ug/l		6	1 5	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	3-METHYLPHENOL/4-METHYLPHENOL		U	ug/l		6	1 6	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	2,4,5-TRICHLOROPHENOL		U	ug/l		5	0 96	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	BENZOIC ACID		U	ug/l		50	0 99	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C	CARBAZOLE		U	ug/l		5	1 6	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C-SIM	ACENAPHTHENE		U	ug/l		0 2	0.036	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C-SIM	2-CHLORONAPHTHALENE		U	ug/l		0 2	0.042	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C-SIM	FLUORANTHENE		U	ug/l		0 2	0 04	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C-SIM	NAPHTHALENE		U	ug/l		0.2	0.031	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C-SIM	BENZO(A)ANTHRACENE		U	ug/l		0 2	0.038	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C-SIM	BENZO(A)PYRENE		U	ug/l		0 2	0 04	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-GW41DS-02	2-Jun-04	L0406051-01	8270C-SIM	BENZO(B)FLUORANTHENE		U	ug/l		0.2	0.05	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C-SIM	BENZO(K)FLUORANTHENE		U	ug/l		0 2	0.036	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C-SIM	CHRYSENE		U	ug/l		0 2	0.024	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C-SIM	ACENAPHTHYLENE		U	ug/l		0 2	0 03	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C-SIM	ANTHRACENE		U	ug/l		0 2	0 049	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C-SIM	BENZO(GHI)PERYLENE		U	ug/l		0 25	0.025	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C-SIM	FLUORENE		U	ug/l		0.2	0.024	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C-SIM	PHENANTHRENE		UJ	ug/l		0 2	0.031	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C-SIM	DIBENZO(A,H)ANTHRACENE		UJ	ug/l		0 2	0.017	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	ug/l		0 2	0 026	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C-SIM	PYRENE		U	ug/l		0 2	0.046	1
2-GW41DS-02	2-Jun-04	L0406051-01	8270C-SIM	2-METHYLNAPHTHALENE		U	ug/l		0.2	0.036	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C-SIM	ACENAPHTHENE	0 094	J	ug/l		0 2	0.036	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C-SIM	2-CHLORONAPHTHALENE		U	ug/l		0 2	0 042	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C-SIM	FLUORANTHENE		U	ug/l		0 2	0 04	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C-SIM	NAPHTHALENE		U	ug/l		0 2	0 031	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C-SIM	BENZO(A)ANTHRACENE		U	ug/l		0.2	0 038	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C-SIM	BENZO(A)PYRENE		U	ug/l		0 2	0.04	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C-SIM	BENZO(B)FLUORANTHENE		U	ug/l		0 2	0.05	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C-SIM	BENZO(K)FLUORANTHENE		U	ug/l		0 2	0 036	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C-SIM	CHRYSENE		U	ug/l		0.2	0 024	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C-SIM	ACENAPHTHYLENE		U	ug/l		0 2	0.03	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C-SIM	ANTHRACENE		U	ug/l		0 2	0 049	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C-SIM	BENZO(GHI)PERYLENE		U	ug/l		0 25	0.025	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C-SIM	FLUORENE		U	ug/l		0 2	0 024	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C-SIM	PHENANTHRENE		UJ	ug/l		0 2	0 031	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C-SIM	DIBENZO(A,H)ANTHRACENE		UJ	ug/l		0.2	0 017	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	ug/l		0.2	0 026	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C-SIM	PYRENE		U	ug/l		0 2	0 046	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C-SIM	2-METHYLNAPHTHALENE		U	ug/l		0 2	0 036	1
2-GW42DS-02	2-Jun-04	L0406051-02	2320B	ALKALINITY, TOTAL	820		mg CaCO3/L		5	1	2.5
2-GW42DS-02	2-Jun-04	L0406051-02	2540C	SOLIDS, TOTAL DISSOLVED	8100		mg/l		10	2.8	1
2-GW42DS-02	2-Jun-04	L0406051-02	2540D	SOLIDS, TOTAL SUSPENDED	22		mg/l		10		2
2-GW42DS-02	2-Jun-04	L0406051-02	9251	CHLORIDE	4300		mg/l		100	0.36	100
2-GW42DS-02	2-Jun-04	L0406051-02	9038	SULFATE	170		mg/l		50	7.1	5
2-GW42DS-02	2-Jun-04	L0406051-02	5220D	CHEMICAL OXYGEN DEMAND	810		mg/l		20	4 2	1
2-GW42DS-02	2-Jun-04	L0406051-02	9060	TOTAL ORGANIC CARBON	24		mg/l		10	0 86	20
2-GW42DS-02	2-Jun-04	L0406051-02	2340B	HARDNESS	1800		mg/l		17		10
2-GW42DS-02	2-Jun-04	L0406051-02	6010B	ALUMINUM, TOTAL	0 093	J	mg/l		0.1	0 019	1
2-GW42DS-02	2-Jun-04	L0406051-02	6020A	ANTIMONY, TOTAL	0.001		mg/l		0 001	0 000022	1
2-GW42DS-02	2-Jun-04	L0406051-02	6020A	ARSENIC, TOTAL	0 0047		mg/l		0 001	0 000034	1
2-GW42DS-02	2-Jun-04	L0406051-02	6020A	BARIUM, TOTAL	0 0709		mg/l		0 001	0 000038	1
2-GW42DS-02	2-Jun-04	L0406051-02	6020A	BERYLLIUM, TOTAL	0 00003	U	mg/l		0.001	0 000015	1
2-GW42DS-02	2-Jun-04	L0406051-02	6020A	CADMIUM, TOTAL		U	mg/l		0 0005	0.00017	5
2-GW42DS-02	2-Jun-04	L0406051-02	6010B	CALCIUM, TOTAL	170		mg/l		1	0.15	10
2-GW42DS-02	2-Jun-04	L0406051-02	6020A	CHROMIUM, TOTAL	0 0176		mg/l		0.001	0 000031	1
2-GW42DS-02	2-Jun-04	L0406051-02	6020A	COBALT, TOTAL	0 00099	J	mg/l		0.001	0 000017	1
2-GW42DS-02	2-Jun-04	L0406051-02	6020A	COPPER, TOTAL	0 0032		mg/l		0 001	0 000172	1
2-GW42DS-02	2-Jun-04	L0406051-02	6010B	IRON, TOTAL	5.9	J	mg/l		0 05	0 013	1
2-GW42DS-02	2-Jun-04	L0406051-02	6020A	LEAD, TOTAL	0.00032	J	mg/l		0 0005	0 000028	1
2-GW42DS-02	2-Jun-04	L0406051-02	6010B	MAGNESIUM, TOTAL	340		mg/l		1	0 14	10
2-GW42DS-02	2-Jun-04	L0406051-02	6010B	MANGANESE, TOTAL	0.21		mg/l		0 01	0.0006	1
2-GW42DS-02	2-Jun-04	L0406051-02	7470A	MERCURY, TOTAL	8.32E-06	J	mg/l		0 0002	0.000012	1
2-GW42DS-02	2-Jun-04	L0406051-02	6020A	MOLYBDENUM, TOTAL	0.0005	U	mg/l		0 001	0 00003	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-GW42DS-02	2-Jun-04	L0406051-02	6020A	NICKEL, TOTAL	0.01		mg/l		0 001	0 000024	1
2-GW42DS-02	2-Jun-04	L0406051-02	6010B	POTASSIUM, TOTAL	220		mg/l		25	0 94	10
2-GW42DS-02	2-Jun-04	L0406051-02	6020A	SELENIUM, TOTAL	0 0111	J	mg/l		0.002	0.000298	1
2-GW42DS-02	2-Jun-04	L0406051-02	6020A	SILVER, TOTAL		U	mg/l		0.001	0.000025	1
2-GW42DS-02	2-Jun-04	L0406051-02	6010B	SODIUM, TOTAL	3100		mg/l		1000	160	500
2-GW42DS-02	2-Jun-04	L0406051-02	6020A	THALLIUM, TOTAL		U	mg/l		0.001	0.000026	1
2-GW42DS-02	2-Jun-04	L0406051-02	6020A	VANADIUM, TOTAL	0 0039		mg/l		0 001	0 00003	1
2-GW42DS-02	2-Jun-04	L0406051-02	6020A	ZINC, TOTAL	0 0145		mg/l		0.005	0 000298	1
2-GW42DS-02	2-Jun-04	L0406051-02	6010B	ALUMINUM, DISSOLVED		U	mg/l		0.1	0 019	1
2-GW42DS-02	2-Jun-04	L0406051-02	6020A	ANTIMONY, DISSOLVED	0.00095	J	mg/l		0 001	0.000022	1
2-GW42DS-02	2-Jun-04	L0406051-02	6020A	ARSENIC, DISSOLVED	0.0055		mg/l		0 001	0.000034	1
2-GW42DS-02	2-Jun-04	L0406051-02	6020A	BARIUM, DISSOLVED	0.0657		mg/l		0 001	0.000038	1
2-GW42DS-02	2-Jun-04	L0406051-02	6020A	BERYLLIUM, DISSOLVED		U	mg/l		0.001	0.000015	1
2-GW42DS-02	2-Jun-04	L0406051-02	6020A	CADMIUM, DISSOLVED		U	mg/l		0 0001	0.000034	1
2-GW42DS-02	2-Jun-04	L0406051-02	6010B	CALCIUM, DISSOLVED	160		mg/l		1	0.15	10
2-GW42DS-02	2-Jun-04	L0406051-02	6020A	CHROMIUM, DISSOLVED	0.0076		mg/l		0.001	0.000031	1
2-GW42DS-02	2-Jun-04	L0406051-02	6020A	COBALT, DISSOLVED	0 00069	J	mg/l		0 001	0.000017	1
2-GW42DS-02	2-Jun-04	L0406051-02	6020A	COPPER, DISSOLVED	0 00046	J	mg/l		0.001	0.000172	1
2-GW42DS-02	2-Jun-04	L0406051-02	6010B	IRON, DISSOLVED	0 048	J	mg/l		0 05	0.013	1
2-GW42DS-02	2-Jun-04	L0406051-02	6020A	LEAD, DISSOLVED	0 00013	U	mg/l		0 0005	0.000028	1
2-GW42DS-02	2-Jun-04	L0406051-02	6010B	MAGNESIUM, DISSOLVED	340		mg/l		1	0 14	10
2-GW42DS-02	2-Jun-04	L0406051-02	6010B	MANGANESE, DISSOLVED	0 18		mg/l		0 01	0 0006	1
2-GW42DS-02	2-Jun-04	L0406051-02	7470A	MERCURY, DISSOLVED	5 92E-06	J	mg/l		0.0002	0 000012	1
2-GW42DS-02	2-Jun-04	L0406051-02	6020A	MOLYBDENUM, DISSOLVED	0.00043	U	mg/l		0 001	0.00003	1
2-GW42DS-02	2-Jun-04	L0406051-02	6020A	NICKEL, DISSOLVED	0 0044		mg/l		0.001	0.000024	1
2-GW42DS-02	2-Jun-04	L0406051-02	6010B	POTASSIUM, DISSOLVED	210		mg/l		25	0 94	10
2-GW42DS-02	2-Jun-04	L0406051-02	6020A	SELENIUM, DISSOLVED	0.0118	J	mg/l		0.002	0 000298	1
2-GW42DS-02	2-Jun-04	L0406051-02	6020A	SILVER, DISSOLVED		U	mg/l		0 001	0.000025	1
2-GW42DS-02	2-Jun-04	L0406051-02	6010B	SODIUM, DISSOLVED	2800		mg/l		1000	160	500
2-GW42DS-02	2-Jun-04	L0406051-02	6020A	THALLIUM, DISSOLVED		U	mg/l		0.001	0.000026	1
2-GW42DS-02	2-Jun-04	L0406051-02	6020A	VANADIUM, DISSOLVED	0.0033		mg/l		0.001	0 00003	1
2-GW42DS-02	2-Jun-04	L0406051-02	6020A	ZINC, DISSOLVED	0.00349	J	mg/l		0.005	0 000298	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	1,2,4-TRICHLOROBENZENE		U	ug/l		5	1.3	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	HEXACHLOROBENZENE		U	ug/l		5	1.6	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	BIS(2-CHLOROETHYL)ETHER		U	ug/l		5	1.3	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	1,2-DICHLOROBENZENE		U	ug/l		5	1.1	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	1,3-DICHLOROBENZENE		U	ug/l		5	1	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	1,4-DICHLOROBENZENE		U	ug/l		5	0.96	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	3,3'-DICHLOROBENZIDINE		U	ug/l		50	2 6	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	2,4-DINITROTOLUENE		U	ug/l		6	0.48	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	2,6-DINITROTOLUENE		U	ug/l		5	0.96	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	4-CHLOROPHENYL PHENYL ETHER		U	ug/l		5	0 96	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	4-BROMOPHENYL PHENYL ETHER		U	ug/l		5	0 99	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	ug/l		5	2.2	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	BIS(2-CHLOROETHOXY)METHANE		U	ug/l		5	1 6	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	HEXACHLOROBUTADIENE		U	ug/l		10	2 1	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	HEXACHLOROETHANE		U	ug/l		5	0.97	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	ISOPHORONE		U	ug/l		5	1.6	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	NITROBENZENE		U	ug/l		5	1 6	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	ug/l		15	4 2	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	N-NITROSODI-N-PROPYLAMINE		U	ug/l		5	1.6	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	BIS(2-ETHYLHEXYL)PHTHALATE		U	ug/l		10	1 6	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	BUTYL BENZYL PHTHALATE		U	ug/l		5	0.67	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	DI-N-BUTYLPHTHALATE		U	ug/l		5	0 5	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	DI-N-OCTYLPHTHALATE		U	ug/l		5	0.54	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	DIETHYL PHTHALATE		U	ug/l		5	1.6	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	DIMETHYL PHTHALATE		U	ug/l		5	1 6	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	4-CHLOROANILINE		U	ug/l		5	1.4	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	2-NITROANILINE		U	ug/l		5	1.1	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	3-NITROANILINE		U	ug/l		5	1 1	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	4-NITROANILINE		U	ug/l		7	1 3	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	DIBENZOFURAN		U	ug/l		5	0.92	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	2,4,6-TRICHLOROPHENOL		U	ug/l		5	1.2	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	P-CHLORO-M-CRESOL		U	ug/l		5	1.5	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	2-CHLOROPHENOL		U	ug/l		6	1.8	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	2,4-DICHLOROPHENOL		U	ug/l		10	2.1	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	2,4-DIMETHYLPHENOL		UJ	ug/l		10	3.1	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	2-NITROPHENOL		U	ug/l		20	2.3	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	4-NITROPHENOL		U	ug/l		10	1.6	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	2,4-DINITROPHENOL		U	ug/l		20	1	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	4,6-DINITRO-O-CRESOL		U	ug/l		20	1.4	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	PENTACHLOROPHENOL		U	ug/l		20	1.6	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	PHENOL		U	ug/l		7	1.2	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	2-METHYLPHENOL		U	ug/l		6	1.5	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	3-METHYLPHENOL/4-METHYLPHENOL		U	ug/l		6	1 6	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	2,4,5-TRICHLOROPHENOL		U	ug/l		5	0.96	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	BENZOIC ACID		U	ug/l		50	0.99	1
2-GW42DS-02	2-Jun-04	L0406051-02	8270C	CARBAZOLE		U	ug/l		5	1 6	1
060204-02	2-Jun-04	L0406051-03	2320B	ALKALINITY, TOTAL	1100		mg CaCO3/L		5	1	2.5
060204-02	2-Jun-04	L0406051-03	2540C	SOLIDS, TOTAL DISSOLVED	11000		mg/l		10	2.8	1
060204-02	2-Jun-04	L0406051-03	2540D	SOLIDS, TOTAL SUSPENDED	12		mg/l		10		2
060204-02	2-Jun-04	L0406051-03	9251	CHLORIDE	6100		mg/l		200	0.36	200
060204-02	2-Jun-04	L0406051-03	9038	SULFATE	180		mg/l		50	7.1	5
060204-02	2-Jun-04	L0406051-03	5220D	CHEMICAL OXYGEN DEMAND	1000		mg/l		20	4.2	1
060204-02	2-Jun-04	L0406051-03	9060	TOTAL ORGANIC CARBON	22		mg/l		10	0.86	20
060204-02	2-Jun-04	L0406051-03	2340B	HARDNESS	1800		mg/l		17		10
060204-02	2-Jun-04	L0406051-03	6010B	ALUMINUM, TOTAL	0.079	J	mg/l		0.1	0 019	1
060204-02	2-Jun-04	L0406051-03	6020A	ANTIMONY, TOTAL	0 00097	J	mg/l		0.001	0 000022	1
060204-02	2-Jun-04	L0406051-03	6020A	ARSENIC, TOTAL	0.0041		mg/l		0.001	0 000034	1
060204-02	2-Jun-04	L0406051-03	6020A	BARIUM, TOTAL	0 0681		mg/l		0.001	0 000038	1
060204-02	2-Jun-04	L0406051-03	6020A	BERYLLIUM, TOTAL	0 00004	U	mg/l		0.001	0 000015	1
060204-02	2-Jun-04	L0406051-03	6020A	CADMIUM, TOTAL		U	mg/l		0 0005	0 00017	5
060204-02	2-Jun-04	L0406051-03	6010B	CALCIUM, TOTAL	170		mg/l		1	0.15	10
060204-02	2-Jun-04	L0406051-03	6020A	CHROMIUM, TOTAL	0 0152		mg/l		0.001	0 000031	1
060204-02	2-Jun-04	L0406051-03	6020A	COBALT, TOTAL	0.00095	J	mg/l		0 001	0 000017	1
060204-02	2-Jun-04	L0406051-03	6020A	COPPER, TOTAL	0 0032		mg/l		0.001	0.000172	1
060204-02	2-Jun-04	L0406051-03	6010B	IRON, TOTAL	5 7	J	mg/l		0.05	0.013	1
060204-02	2-Jun-04	L0406051-03	6020A	LEAD, TOTAL	0.00032	J	mg/l		0 0005	0 000028	1
060204-02	2-Jun-04	L0406051-03	6010B	MAGNESIUM, TOTAL	330		mg/l		1	0 14	10
060204-02	2-Jun-04	L0406051-03	6010B	MANGANESE, TOTAL	0 21		mg/l		0.01	0 0006	1
060204-02	2-Jun-04	L0406051-03	7470A	MERCURY, TOTAL	2.3E-05	J	mg/l		0 0002	0 000012	1
060204-02	2-Jun-04	L0406051-03	6020A	MOLYBDENUM, TOTAL	0 00046	U	mg/l		0.001	0 00003	1
060204-02	2-Jun-04	L0406051-03	6020A	NICKEL, TOTAL	0 01		mg/l		0.001	0 000024	1
060204-02	2-Jun-04	L0406051-03	6010B	POTASSIUM, TOTAL	210		mg/l		25	0 94	10
060204-02	2-Jun-04	L0406051-03	6020A	SELENIUM, TOTAL	0 01	UJ	mg/l		0 002	0.000298	1
060204-02	2-Jun-04	L0406051-03	6020A	SILVER, TOTAL		U	mg/l		0.001	0.000025	1
060204-02	2-Jun-04	L0406051-03	6010B	SODIUM, TOTAL	2800		mg/l		1000	160	500
060204-02	2-Jun-04	L0406051-03	6020A	THALLIUM, TOTAL	0.00004	U	mg/l		0 001	0 000026	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
060204-02	2-Jun-04	L0406051-03	6020A	VANADIUM, TOTAL	0.0038		mg/l		0 001	0 00003	1
060204-02	2-Jun-04	L0406051-03	6020A	ZINC, TOTAL	0.0146		mg/l		0 005	0.000298	1
060204-02	2-Jun-04	L0406051-03	6010B	ALUMINUM, DISSOLVED		U	mg/l		0.1	0 019	1
060204-02	2-Jun-04	L0406051-03	6020A	ANTIMONY, DISSOLVED	0.00086	J	mg/l		0.001	0.000022	1
060204-02	2-Jun-04	L0406051-03	6020A	ARSENIC, DISSOLVED	0 0043		mg/l		0.001	0.000034	1
060204-02	2-Jun-04	L0406051-03	6020A	BARIUM, DISSOLVED	0.0603		mg/l		0.001	0 000038	1
060204-02	2-Jun-04	L0406051-03	6020A	BERYLLIUM, DISSOLVED	0 00003	U	mg/l		0.001	0 000015	1
060204-02	2-Jun-04	L0406051-03	6020A	CADMIUM, DISSOLVED		U	mg/l		0.0001	0.000034	1
060204-02	2-Jun-04	L0406051-03	6010B	CALCIUM, DISSOLVED	150		mg/l		1	0.15	10
060204-02	2-Jun-04	L0406051-03	6020A	CHROMIUM, DISSOLVED	0.0076		mg/l		0.001	0 000031	1
060204-02	2-Jun-04	L0406051-03	6020A	COBALT, DISSOLVED	0 00073	J	mg/l		0.001	0.000017	1
060204-02	2-Jun-04	L0406051-03	6020A	COPPER, DISSOLVED	0 0004	J	mg/l		0.001	0 000172	1
060204-02	2-Jun-04	L0406051-03	6010B	IRON, DISSOLVED	0.08	J	mg/l		0.05	0 013	1
060204-02	2-Jun-04	L0406051-03	6020A	LEAD, DISSOLVED	0.00004	U	mg/l		0.0005	0 000028	1
060204-02	2-Jun-04	L0406051-03	6010B	MAGNESIUM, DISSOLVED	330		mg/l		1	0.14	10
060204-02	2-Jun-04	L0406051-03	6010B	MANGANESE, DISSOLVED	0 16		mg/l		0.01	0.0006	1
060204-02	2-Jun-04	L0406051-03	7470A	MERCURY, DISSOLVED		UJ	mg/l		0.0002	0.000012	1
060204-02	2-Jun-04	L0406051-03	6020A	MOLYBDENUM, DISSOLVED	0.00049	U	mg/l		0 001	0 00003	1
060204-02	2-Jun-04	L0406051-03	6020A	NICKEL, DISSOLVED	0 0053		mg/l		0.001	0 000024	1
060204-02	2-Jun-04	L0406051-03	6010B	POTASSIUM, DISSOLVED	200		mg/l		25	0 94	10
060204-02	2-Jun-04	L0406051-03	6020A	SELENIUM, DISSOLVED	0.011		mg/l		0 002	0.000298	1
060204-02	2-Jun-04	L0406051-03	6020A	SILVER, DISSOLVED	0.00005	U	mg/l		0 001	0 000025	1
060204-02	2-Jun-04	L0406051-03	6010B	SODIUM, DISSOLVED	2700		mg/l		1000	160	500
060204-02	2-Jun-04	L0406051-03	6020A	THALLIUM, DISSOLVED	0 00015	U	mg/l		0 001	0.000026	1
060204-02	2-Jun-04	L0406051-03	6020A	VANADIUM, DISSOLVED	0 0033		mg/l		0.001	0.00003	1
060204-02	2-Jun-04	L0406051-03	6020A	ZINC, DISSOLVED	0.0048	J	mg/l		0.005	0.000298	1
060204-02	2-Jun-04	L0406051-03	8270C	1,2,4-TRICHLOROBENZENE		U	ug/l		5	1.3	1
060204-02	2-Jun-04	L0406051-03	8270C	HEXACHLOROBENZENE		U	ug/l		5	1 6	1
060204-02	2-Jun-04	L0406051-03	8270C	BIS(2-CHLOROETHYL)ETHER		U	ug/l		5	1 3	1
060204-02	2-Jun-04	L0406051-03	8270C	1,2-DICHLOROBENZENE		U	ug/l		5	1 1	1
060204-02	2-Jun-04	L0406051-03	8270C	1,3-DICHLOROBENZENE		U	ug/l		5	1	1
060204-02	2-Jun-04	L0406051-03	8270C	1,4-DICHLOROBENZENE		U	ug/l		5	0 96	1
060204-02	2-Jun-04	L0406051-03	8270C	3,3'-DICHLOROBENZIDINE		U	ug/l		50	2.6	1
060204-02	2-Jun-04	L0406051-03	8270C	2,4-DINITROTOLUENE		U	ug/l		6	0.48	1
060204-02	2-Jun-04	L0406051-03	8270C	2,6-DINITROTOLUENE		U	ug/l		5	0 96	1
060204-02	2-Jun-04	L0406051-03	8270C	4-CHLOROPHENYL PHENYL ETHER		U	ug/l		5	0 96	1
060204-02	2-Jun-04	L0406051-03	8270C	4-BROMOPHENYL PHENYL ETHER		U	ug/l		5	0.99	1
060204-02	2-Jun-04	L0406051-03	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	ug/l		5	2 2	1
060204-02	2-Jun-04	L0406051-03	8270C	BIS(2-CHLOROETHOXY)METHANE		U	ug/l		5	1.6	1
060204-02	2-Jun-04	L0406051-03	8270C	HEXACHLOROBUTADIENE		U	ug/l		10	2 1	1
060204-02	2-Jun-04	L0406051-03	8270C	HEXACHLOROETHANE		U	ug/l		5	0 97	1
060204-02	2-Jun-04	L0406051-03	8270C	ISOPHORONE		U	ug/l		5	1 6	1
060204-02	2-Jun-04	L0406051-03	8270C	NITROBENZENE		U	ug/l		5	1.6	1
060204-02	2-Jun-04	L0406051-03	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	ug/l		15	4.2	1
060204-02	2-Jun-04	L0406051-03	8270C	N-NITROSODI-N-PROPYLAMINE		U	ug/l		5	1 6	1
060204-02	2-Jun-04	L0406051-03	8270C	BIS(2-ETHYLHEXYL)PHTHALATE		U	ug/l		10	1.6	1
060204-02	2-Jun-04	L0406051-03	8270C	BUTYL BENZYL PHTHALATE		U	ug/l		5	0.67	1
060204-02	2-Jun-04	L0406051-03	8270C	DI-N-BUTYLPHTHALATE		U	ug/l		5	0.5	1
060204-02	2-Jun-04	L0406051-03	8270C	DI-N-OCTYLPHTHALATE		U	ug/l		5	0 54	1
060204-02	2-Jun-04	L0406051-03	8270C	DIETHYL PHTHALATE		U	ug/l		5	1.6	1
060204-02	2-Jun-04	L0406051-03	8270C	DIMETHYL PHTHALATE		U	ug/l		5	1 6	1
060204-02	2-Jun-04	L0406051-03	8270C	4-CHLOROANILINE		U	ug/l		5	1 4	1
060204-02	2-Jun-04	L0406051-03	8270C	2-NITROANILINE		U	ug/l		5	1 1	1
060204-02	2-Jun-04	L0406051-03	8270C	3-NITROANILINE		U	ug/l		5	1 1	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
060204-02	2-Jun-04	L0406051-03	8270C	4-NITROANILINE		U	ug/l		7	1.3	1
060204-02	2-Jun-04	L0406051-03	8270C	DIBENZOFURAN		U	ug/l		5	0.92	1
060204-02	2-Jun-04	L0406051-03	8270C	2,4,6-TRICHLOROPHENOL		U	ug/l		5	1.2	1
060204-02	2-Jun-04	L0406051-03	8270C	P-CHLORO-M-CRESOL		U	ug/l		5	1.5	1
060204-02	2-Jun-04	L0406051-03	8270C	2-CHLOROPHENOL		U	ug/l		6	1.8	1
060204-02	2-Jun-04	L0406051-03	8270C	2,4-DICHLOROPHENOL		U	ug/l		10	2.1	1
060204-02	2-Jun-04	L0406051-03	8270C	2,4-DIMETHYLPHENOL		UJ	ug/l		10	3 1	1
060204-02	2-Jun-04	L0406051-03	8270C	2-NITROPHENOL		U	ug/l		20	2 3	1
060204-02	2-Jun-04	L0406051-03	8270C	4-NITROPHENOL		U	ug/l		10	1.6	1
060204-02	2-Jun-04	L0406051-03	8270C	2,4-DINITROPHENOL		U	ug/l		20	1	1
060204-02	2-Jun-04	L0406051-03	8270C	4,6-DINITRO-O-CRESOL		U	ug/l		20	1 4	1
060204-02	2-Jun-04	L0406051-03	8270C	PENTACHLOROPHENOL		U	ug/l		20	1 6	1
060204-02	2-Jun-04	L0406051-03	8270C	PHENOL		U	ug/l		7	1 2	1
060204-02	2-Jun-04	L0406051-03	8270C	2-METHYLPHENOL		U	ug/l		6	1 5	1
060204-02	2-Jun-04	L0406051-03	8270C	3-METHYLPHENOL/4-METHYLPHENOL		U	ug/l		6	1.6	1
060204-02	2-Jun-04	L0406051-03	8270C	2,4,5-TRICHLOROPHENOL		U	ug/l		5	0.96	1
060204-02	2-Jun-04	L0406051-03	8270C	BENZOIC ACID		U	ug/l		50	0.99	1
060204-02	2-Jun-04	L0406051-03	8270C	CARBAZOLE		U	ug/l		5	1.6	1
060204-02	2-Jun-04	L0406051-03	8270C-SIM	ACENAPHTHENE	0.07	J	ug/l		0 2	0 036	1
060204-02	2-Jun-04	L0406051-03	8270C-SIM	2-CHLORONAPHTHALENE		U	ug/l		0 2	0 042	1
060204-02	2-Jun-04	L0406051-03	8270C-SIM	FLUORANTHENE		U	ug/l		0.2	0.04	1
060204-02	2-Jun-04	L0406051-03	8270C-SIM	NAPHTHALENE		U	ug/l		0.2	0 031	1
060204-02	2-Jun-04	L0406051-03	8270C-SIM	BENZO(A)ANTHRACENE		U	ug/l		0.2	0.038	1
060204-02	2-Jun-04	L0406051-03	8270C-SIM	BENZO(A)PYRENE		U	ug/l		0.2	0.04	1
060204-02	2-Jun-04	L0406051-03	8270C-SIM	BENZO(B)FLUORANTHENE		U	ug/l		0.2	0 05	1
060204-02	2-Jun-04	L0406051-03	8270C-SIM	BENZO(K)FLUORANTHENE		U	ug/l		0 2	0 036	1
060204-02	2-Jun-04	L0406051-03	8270C-SIM	CHRYSENE		U	ug/l		0.2	0.024	1
060204-02	2-Jun-04	L0406051-03	8270C-SIM	ACENAPHTHYLENE		U	ug/l		0.2	0 03	1
060204-02	2-Jun-04	L0406051-03	8270C-SIM	ANTHRACENE		U	ug/l		0 2	0.049	1
060204-02	2-Jun-04	L0406051-03	8270C-SIM	BENZO(GHI)PERYLENE		U	ug/l		0.25	0 025	1
060204-02	2-Jun-04	L0406051-03	8270C-SIM	FLUORENE		U	ug/l		0 2	0.024	1
060204-02	2-Jun-04	L0406051-03	8270C-SIM	PHENANTHRENE		UJ	ug/l		0.2	0.031	1
060204-02	2-Jun-04	L0406051-03	8270C-SIM	DIBENZO(A,H)ANTHRACENE		UJ	ug/l		0 2	0.017	1
060204-02	2-Jun-04	L0406051-03	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	ug/l		0.2	0.026	1
060204-02	2-Jun-04	L0406051-03	8270C-SIM	PYRENE		U	ug/l		0.2	0 046	1
060204-02	2-Jun-04	L0406051-03	8270C-SIM	2-METHYLNAPHTHALENE		U	ug/l		0 2	0.036	1
2-GW44DS-02	2-Jun-04	L0406051-04	2320B	ALKALINITY, TOTAL	1300		mg CaCO3/L		5	1	2 5
2-GW44DS-02	2-Jun-04	L0406051-04	2540C	SOLIDS, TOTAL DISSOLVED	14000		mg/l		10	2 8	1
2-GW44DS-02	2-Jun-04	L0406051-04	2540D	SOLIDS, TOTAL SUSPENDED		U	mg/l		5		1
2-GW44DS-02	2-Jun-04	L0406051-04	9251	CHLORIDE	8300		mg/l		200	0 36	200
2-GW44DS-02	2-Jun-04	L0406051-04	9038	SULFATE	3 4	J	mg/l		10	1.4	1
2-GW44DS-02	2-Jun-04	L0406051-04	5220D	CHEMICAL OXYGEN DEMAND	490		mg/l		20	4.2	1
2-GW44DS-02	2-Jun-04	L0406051-04	9060	TOTAL ORGANIC CARBON	19		mg/l		12	1.1	25
2-GW44DS-02	2-Jun-04	L0406051-04	2340B	HARDNESS	3900		mg/l		17		10
2-GW44DS-02	2-Jun-04	L0406051-04	6010B	ALUMINUM, TOTAL	0 37		mg/l		0 1	0 019	1
2-GW44DS-02	2-Jun-04	L0406051-04	6020A	ANTIMONY, TOTAL	0 00074	J	mg/l		0 001	0.000022	1
2-GW44DS-02	2-Jun-04	L0406051-04	6020A	ARSENIC, TOTAL	0 0042		mg/l		0 001	0.000034	1
2-GW44DS-02	2-Jun-04	L0406051-04	6020A	BARIUM, TOTAL	0 093		mg/l		0 001	0 000038	1
2-GW44DS-02	2-Jun-04	L0406051-04	6020A	BERYLLIUM, TOTAL	0 00005	U	mg/l		0.001	0.000015	1
2-GW44DS-02	2-Jun-04	L0406051-04	6020A	CADMIUM, TOTAL		U	mg/l		0 001	0 00034	10
2-GW44DS-02	2-Jun-04	L0406051-04	6010B	CALCIUM, TOTAL	260		mg/l		1	0 15	10
2-GW44DS-02	2-Jun-04	L0406051-04	6020A	CHROMIUM, TOTAL	0 0064		mg/l		0.001	0.000031	1
2-GW44DS-02	2-Jun-04	L0406051-04	6020A	COBALT, TOTAL	0.0013		mg/l		0 001	0 000017	1
2-GW44DS-02	2-Jun-04	L0406051-04	6020A	COPPER, TOTAL	0 0068		mg/l		0 001	0 000172	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-GW44DS-02	2-Jun-04	L0406051-04	6010B	IRON, TOTAL	2	J	mg/l		0 05	0.013	1
2-GW44DS-02	2-Jun-04	L0406051-04	6020A	LEAD, TOTAL	0 0009		mg/l		0 0005	0 000028	1
2-GW44DS-02	2-Jun-04	L0406051-04	6010B	MAGNESIUM, TOTAL	790		mg/l		1	0.14	10
2-GW44DS-02	2-Jun-04	L0406051-04	6010B	MANGANESE, TOTAL	0 0097	J	mg/l		0.01	0.0006	1
2-GW44DS-02	2-Jun-04	L0406051-04	7470A	MERCURY, TOTAL	1 74E-05	J	mg/l		0.0002	0.000012	1
2-GW44DS-02	2-Jun-04	L0406051-04	6020A	MOLYBDENUM, TOTAL	0.00019	U	mg/l		0.001	0 00003	1
2-GW44DS-02	2-Jun-04	L0406051-04	6020A	NICKEL, TOTAL	0.0027		mg/l		0.001	0.000024	1
2-GW44DS-02	2-Jun-04	L0406051-04	6010B	POTASSIUM, TOTAL	470		mg/l		25	0 94	10
2-GW44DS-02	2-Jun-04	L0406051-04	6020A	SELENIUM, TOTAL	0.023		mg/l		0.002	0 000298	1
2-GW44DS-02	2-Jun-04	L0406051-04	6020A	SILVER, TOTAL	0 00008	U	mg/l		0.001	0 000025	1
2-GW44DS-02	2-Jun-04	L0406051-04	6010B	SODIUM, TOTAL	6900		mg/l		1000	160	500
2-GW44DS-02	2-Jun-04	L0406051-04	6020A	THALLIUM, TOTAL	0 00003	U	mg/l		0 001	0 000026	1
2-GW44DS-02	2-Jun-04	L0406051-04	6020A	VANADIUM, TOTAL	0.0052		mg/l		0.001	0.00003	1
2-GW44DS-02	2-Jun-04	L0406051-04	6020A	ZINC, TOTAL	0.042		mg/l		0.005	0 000298	1
2-GW44DS-02	2-Jun-04	L0406051-04	6010B	ALUMINUM, DISSOLVED		U	mg/l		0.1	0.019	1
2-GW44DS-02	2-Jun-04	L0406051-04	6020A	ANTIMONY, DISSOLVED	0 00018	U	mg/l		0.001	0 000022	1
2-GW44DS-02	2-Jun-04	L0406051-04	6020A	ARSENIC, DISSOLVED	0.0018		mg/l		0.001	0.000034	1
2-GW44DS-02	2-Jun-04	L0406051-04	6020A	BARIUM, DISSOLVED	0.0401		mg/l		0 001	0.000038	1
2-GW44DS-02	2-Jun-04	L0406051-04	6020A	BERYLLIUM, DISSOLVED	0 00002	U	mg/l		0.001	0 000015	1
2-GW44DS-02	2-Jun-04	L0406051-04	6020A	CADMIUM, DISSOLVED		U	mg/l		0 0001	0 000034	1
2-GW44DS-02	2-Jun-04	L0406051-04	6010B	CALCIUM, DISSOLVED	120		mg/l		1	0.15	10
2-GW44DS-02	2-Jun-04	L0406051-04	6020A	CHROMIUM, DISSOLVED	0.0019		mg/l		0 001	0 000031	1
2-GW44DS-02	2-Jun-04	L0406051-04	6020A	COBALT, DISSOLVED	0.00033	J	mg/l		0 001	0 000017	1
2-GW44DS-02	2-Jun-04	L0406051-04	6020A	COPPER, DISSOLVED	0.0003	J	mg/l		0 001	0 000172	1
2-GW44DS-02	2-Jun-04	L0406051-04	6010B	IRON, DISSOLVED	0.027	J	mg/l		0 05	0 013	1
2-GW44DS-02	2-Jun-04	L0406051-04	6020A	LEAD, DISSOLVED	0.00004	U	mg/l		0.0005	0 000028	1
2-GW44DS-02	2-Jun-04	L0406051-04	6010B	MAGNESIUM, DISSOLVED	250		mg/l		1	0 14	10
2-GW44DS-02	2-Jun-04	L0406051-04	6010B	MANGANESE, DISSOLVED	0.16		mg/l		0 01	0 0006	1
2-GW44DS-02	2-Jun-04	L0406051-04	7470A	MERCURY, DISSOLVED		UJ	mg/l		0.0002	0 000012	1
2-GW44DS-02	2-Jun-04	L0406051-04	6020A	MOLYBDENUM, DISSOLVED	0 00019	U	mg/l		0.001	0 00003	1
2-GW44DS-02	2-Jun-04	L0406051-04	6020A	NICKEL, DISSOLVED	0.0025		mg/l		0.001	0.000024	1
2-GW44DS-02	2-Jun-04	L0406051-04	6010B	POTASSIUM, DISSOLVED	130		mg/l		25	0.94	10
2-GW44DS-02	2-Jun-04	L0406051-04	6020A	SELENIUM, DISSOLVED	0.008		mg/l		0.002	0 000298	1
2-GW44DS-02	2-Jun-04	L0406051-04	6020A	SILVER, DISSOLVED	0.00003	U	mg/l		0.001	0 000025	1
2-GW44DS-02	2-Jun-04	L0406051-04	6010B	SODIUM, DISSOLVED	2000		mg/l		1000	160	500
2-GW44DS-02	2-Jun-04	L0406051-04	6020A	THALLIUM, DISSOLVED	0 00004	U	mg/l		0 001	0 000026	1
2-GW44DS-02	2-Jun-04	L0406051-04	6020A	VANADIUM, DISSOLVED	0.0017		mg/l		0.001	0 00003	1
2-GW44DS-02	2-Jun-04	L0406051-04	6020A	ZINC, DISSOLVED	0 0014	J	mg/l		0 005	0 000298	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	1,2,4-TRICHLOROBENZENE		U	ug/l		5	1 3	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	HEXACHLOROBENZENE		U	ug/l		5	1 6	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	BIS(2-CHLOROETHYL)ETHER		U	ug/l		5	1 3	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	1,2-DICHLOROBENZENE		U	ug/l		5	1.1	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	1,3-DICHLOROBENZENE		U	ug/l		5	1	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	1,4-DICHLOROBENZENE		U	ug/l		5	0 96	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	3,3'-DICHLOROBENZIDINE		U	ug/l		50	2 6	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	2,4-DINITROTOLUENE		U	ug/l		6	0.48	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	2,6-DINITROTOLUENE		U	ug/l		5	0 96	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	4-CHLOROPHENYL PHENYL ETHER		U	ug/l		5	0 96	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	4-BROMOPHENYL PHENYL ETHER		U	ug/l		5	0.99	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	ug/l		5	2 2	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	BIS(2-CHLOROETHOXY)METHANE		U	ug/l		5	1.6	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	HEXACHLOROBUTADIENE		U	ug/l		10	2 1	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	HEXACHLOROETHANE		U	ug/l		5	0.97	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	ISOPHORONE		U	ug/l		5	1.6	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	NITROBENZENE		U	ug/l		5	1.6	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	ug/l		15	4.2	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	N-NITROSODI-N-PROPYLAMINE		U	ug/l		5	1.6	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	BIS(2-ETHYLHEXYL)PHTHALATE		U	ug/l		10	1.6	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	BUTYL BENZYL PHTHALATE		U	ug/l		5	0.67	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	DI-N-BUTYLPHTHALATE		U	ug/l		5	0 5	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	DI-N-OCTYLPHTHALATE		U	ug/l		5	0.54	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	DIETHYL PHTHALATE		U	ug/l		5	1.6	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	DIMETHYL PHTHALATE		U	ug/l		5	1.6	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	4-CHLOROANILINE		U	ug/l		5	1.4	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	2-NITROANILINE		U	ug/l		5	1.1	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	3-NITROANILINE		U	ug/l		5	1.1	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	4-NITROANILINE		U	ug/l		7	1 3	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	DIBENZOFURAN		U	ug/l		5	0.92	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	2,4,6-TRICHLOROPHENOL		U	ug/l		5	1 2	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	P-CHLORO-M-CRESOL		U	ug/l		5	1 5	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	2-CHLOROPHENOL		U	ug/l		6	1.8	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	2,4-DICHLOROPHENOL		U	ug/l		10	2 1	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	2,4-DIMETHYLPHENOL		UJ	ug/l		10	3 1	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	2-NITROPHENOL		U	ug/l		20	2 3	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	4-NITROPHENOL		U	ug/l		10	1.6	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	2,4-DINITROPHENOL		U	ug/l		20	1	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	4,6-DINITRO-O-CRESOL		U	ug/l		20	1 4	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	PENTACHLOROPHENOL		U	ug/l		20	1 6	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	PHENOL		U	ug/l		7	1.2	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	2-METHYLPHENOL		U	ug/l		6	1.5	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	3-METHYLPHENOL/4-METHYLPHENOL		U	ug/l		6	1.6	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	2,4,5-TRICHLOROPHENOL		U	ug/l		5	0.96	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	BENZOIC ACID		U	ug/l		50	0 99	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C	CARBAZOLE		U	ug/l		5	1.6	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C-SIM	ACENAPHTHENE		U	ug/l		0 2	0 036	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C-SIM	2-CHLORONAPHTHALENE		U	ug/l		0 2	0.042	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C-SIM	FLUORANTHENE		U	ug/l		0 2	0.04	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C-SIM	NAPHTHALENE		U	ug/l		0 2	0.031	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C-SIM	BENZO(A)ANTHRACENE		U	ug/l		0 2	0 038	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C-SIM	BENZO(A)PYRENE		U	ug/l		0 2	0.04	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C-SIM	BENZO(B)FLUORANTHENE		U	ug/l		0 2	0 05	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C-SIM	BENZO(K)FLUORANTHENE		U	ug/l		0.2	0 036	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C-SIM	CHRYSENE		U	ug/l		0.2	0.024	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C-SIM	ACENAPHTHYLENE		U	ug/l		0 2	0.03	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C-SIM	ANTHRACENE		U	ug/l		0 2	0 049	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C-SIM	BENZO(GHI)PERYLENE		U	ug/l		0.25	0 025	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C-SIM	FLUORENE		U	ug/l		0.2	0.024	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C-SIM	PHENANTHRENE		UJ	ug/l		0 2	0.031	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C-SIM	DIBENZO(A,H)ANTHRACENE		UJ	ug/l		0.2	0.017	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	ug/l		0.2	0 026	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C-SIM	PYRENE		U	ug/l		0.2	0.046	1
2-GW44DS-02	2-Jun-04	L0406051-04	8270C-SIM	2-METHYLNAPHTHALENE		U	ug/l		0 2	0.036	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	ISOPHORONE		U	ug/l		5	1 6	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	NITROBENZENE		U	ug/l		5	1.6	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	ug/l		15	4 2	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	N-NITROSODI-N-PROPYLAMINE		U	ug/l		5	1 6	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	BIS(2-ETHYLHEXYL)PHTHALATE		U	ug/l		10	1.6	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	BUTYL BENZYL PHTHALATE		U	ug/l		5	0.67	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
4-GW1S-02	2-Jun-04	L0406051-05	8270C	DI-N-BUTYLPHTHALATE		U	ug/l		5	0.5	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	DI-N-OCTYLPHTHALATE		U	ug/l		5	0 54	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	DIETHYL PHTHALATE		U	ug/l		5	1 6	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	DIMETHYL PHTHALATE		U	ug/l		5	1 6	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	4-CHLOROANILINE		U	ug/l		5	1.4	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	2-NITROANILINE		U	ug/l		5	1.1	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	3-NITROANILINE		U	ug/l		5	1.1	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	4-NITROANILINE		U	ug/l		7	1 3	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	DIBENZOFURAN		U	ug/l		5	0 92	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	2,4,6-TRICHLOROPHENOL		U	ug/l		5	1 2	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	P-CHLORO-M-CRESOL		U	ug/l		5	1.5	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	2-CHLOROPHENOL		U	ug/l		6	1 8	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	2,4-DICHLOROPHENOL		U	ug/l		10	2.1	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	2,4-DIMETHYLPHENOL		UJ	ug/l		10	3 1	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	2-NITROPHENOL		U	ug/l		20	2.3	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	4-NITROPHENOL		U	ug/l		10	1 6	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	2,4-DINITROPHENOL		U	ug/l		20	1	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	4,6-DINITRO-O-CRESOL		U	ug/l		20	1 4	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	PENTACHLOROPHENOL		U	ug/l		20	1.6	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	PHENOL		U	ug/l		7	1.2	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	2-METHYLPHENOL		U	ug/l		6	1.5	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	3-METHYLPHENOL/4-METHYLPHENOL		U	ug/l		6	1 6	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	2,4,5-TRICHLOROPHENOL		U	ug/l		5	0 96	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	BENZOIC ACID		U	ug/l		50	0 99	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	CARBAZOLE		U	ug/l		5	1 6	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C-SIM	ACENAPHTHENE		U	ug/l		0.2	0.036	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C-SIM	2-CHLORONAPHTHALENE		U	ug/l		0.2	0.042	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C-SIM	FLUORANTHENE		U	ug/l		0 2	0 04	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C-SIM	NAPHTHALENE		U	ug/l		0.2	0 031	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C-SIM	BENZO(A)ANTHRACENE		UJ	ug/l		0 2	0 038	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C-SIM	BENZO(A)PYRENE		U	ug/l		0 2	0 04	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C-SIM	BENZO(B)FLUORANTHENE		U	ug/l		0.2	0.05	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	ug/l		0 2	0.036	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C-SIM	CHRYSENE		U	ug/l		0 2	0.024	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C-SIM	ACENAPHTHYLENE		U	ug/l		0.2	0.03	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C-SIM	ANTHRACENE		U	ug/l		0 2	0.049	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C-SIM	BENZO(GHI)PERYLENE		UJ	ug/l		0 25	0 025	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C-SIM	FLUORENE		U	ug/l		0 2	0 024	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C-SIM	PHENANTHRENE		U	ug/l		0 2	0.031	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C-SIM	DIBENZO(A,H)ANTHRACENE		U	ug/l		0.2	0 017	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	ug/l		0 2	0 026	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C-SIM	PYRENE		U	ug/l		0 2	0.046	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C-SIM	2-METHYLNAPHTHALENE		U	ug/l		0.2	0 036	1
4-GW1S-02	2-Jun-04	L0406051-05	2320B	ALKALINITY, TOTAL	19		mg CaCO3/L		2	0 4	1
4-GW1S-02	2-Jun-04	L0406051-05	2540C	SOLIDS, TOTAL DISSOLVED	250		mg/l		10	2 8	1
4-GW1S-02	2-Jun-04	L0406051-05	2540D	SOLIDS, TOTAL SUSPENDED		U	mg/l		15		3
4-GW1S-02	2-Jun-04	L0406051-05	9251	CHLORIDE	87		mg/l		1	0 36	1
4-GW1S-02	2-Jun-04	L0406051-05	9060	TOTAL ORGANIC CARBON	1 6		mg/l		1	0 086	2
4-GW1S-02	2-Jun-04	L0406051-05	2340B	HARDNESS	72		mg/l		1.7		1
4-GW1S-02	2-Jun-04	L0406051-05	6010B	ALUMINUM, TOTAL	0.055	J	mg/l		0.1	0.019	1
4-GW1S-02	2-Jun-04	L0406051-05	6020A	ANTIMONY, TOTAL	0 00004	U	mg/l		0 001	0 000022	1
4-GW1S-02	2-Jun-04	L0406051-05	6020A	ARSENIC, TOTAL	0.00007	U	mg/l		0.001	0 000034	1
4-GW1S-02	2-Jun-04	L0406051-05	6020A	BARIUM, TOTAL	0 0629		mg/l		0.001	0.000038	1
4-GW1S-02	2-Jun-04	L0406051-05	6020A	BERYLLIUM, TOTAL	0 00004	U	mg/l		0.001	0 000015	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
4-GW1S-02	2-Jun-04	L0406051-05	6020A	CADMIUM, TOTAL	0.0001		mg/l		0.0001	0.000034	1
4-GW1S-02	2-Jun-04	L0406051-05	6010B	CALCIUM, TOTAL	23		mg/l		0.1	0 015	1
4-GW1S-02	2-Jun-04	L0406051-05	6020A	CHROMIUM, TOTAL	0 00023	U	mg/l		0.001	0.000031	1
4-GW1S-02	2-Jun-04	L0406051-05	6020A	COBALT, TOTAL	0.00006	U	mg/l		0 001	0.000017	1
4-GW1S-02	2-Jun-04	L0406051-05	6020A	COPPER, TOTAL	0.00068	J	mg/l		0 001	0.000172	1
4-GW1S-02	2-Jun-04	L0406051-05	6010B	IRON, TOTAL		UJ	mg/l		0 05	0.013	1
4-GW1S-02	2-Jun-04	L0406051-05	6020A	LEAD, TOTAL	0.00007	U	mg/l		0.0005	0 000028	1
4-GW1S-02	2-Jun-04	L0406051-05	6010B	MAGNESIUM, TOTAL	3.6		mg/l		0 1	0 014	1
4-GW1S-02	2-Jun-04	L0406051-05	6010B	MANGANESE, TOTAL	0 0076	J	mg/l		0.01	0 0006	1
4-GW1S-02	2-Jun-04	L0406051-05	7470A	MERCURY, TOTAL		UJ	mg/l		0.0002	0.000012	1
4-GW1S-02	2-Jun-04	L0406051-05	6020A	MOLYBDENUM, TOTAL		U	mg/l		0.001	0 00003	1
4-GW1S-02	2-Jun-04	L0406051-05	6020A	NICKEL, TOTAL	0.0014		mg/l		0 001	0 000024	1
4-GW1S-02	2-Jun-04	L0406051-05	6010B	POTASSIUM, TOTAL	4.7		mg/l		2.5	0.094	1
4-GW1S-02	2-Jun-04	L0406051-05	6020A	SELENIUM, TOTAL	0.00082	U	mg/l		0 002	0 000298	1
4-GW1S-02	2-Jun-04	L0406051-05	9038	SULFATE	24		mg/l		10	1.4	1
4-GW1S-02	2-Jun-04	L0406051-05	5220D	CHEMICAL OXYGEN DEMAND	31		mg/l		20	4.2	1
4-GW1S-02	2-Jun-04	L0406051-05	6020A	SILVER, TOTAL	0 00004	U	mg/l		0.001	0 000025	1
4-GW1S-02	2-Jun-04	L0406051-05	6010B	SODIUM, TOTAL	46		mg/l		10	1.6	5
4-GW1S-02	2-Jun-04	L0406051-05	6020A	THALLIUM, TOTAL	0.00005	U	mg/l		0 001	0.000026	1
4-GW1S-02	2-Jun-04	L0406051-05	6020A	VANADIUM, TOTAL	0.00016	U	mg/l		0.001	0.00003	1
4-GW1S-02	2-Jun-04	L0406051-05	6020A	ZINC, TOTAL	0.0053		mg/l		0 005	0 000298	1
4-GW1S-02	2-Jun-04	L0406051-05	6010B	ALUMINUM, DISSOLVED	0 049	J	mg/l		0 1	0.019	1
4-GW1S-02	2-Jun-04	L0406051-05	6020A	ANTIMONY, DISSOLVED	0 00006	U	mg/l		0 001	0.000022	1
4-GW1S-02	2-Jun-04	L0406051-05	6020A	ARSENIC, DISSOLVED	0 00004	J	mg/l		0.001	0 000034	1
4-GW1S-02	2-Jun-04	L0406051-05	6020A	BARIUM, DISSOLVED	0 066		mg/l		0.001	0.000038	1
4-GW1S-02	2-Jun-04	L0406051-05	6020A	BERYLLIUM, DISSOLVED	0.00004	U	mg/l		0.001	0.000015	1
4-GW1S-02	2-Jun-04	L0406051-05	6020A	CADMIUM, DISSOLVED	0.00007	U	mg/l		0.0001	0.000034	1
4-GW1S-02	2-Jun-04	L0406051-05	6010B	CALCIUM, DISSOLVED	23		mg/l		0 1	0.015	1
4-GW1S-02	2-Jun-04	L0406051-05	6020A	CHROMIUM, DISSOLVED	0.00015	U	mg/l		0.001	0.000031	1
4-GW1S-02	2-Jun-04	L0406051-05	6020A	COBALT, DISSOLVED	0.00006	U	mg/l		0.001	0.000017	1
4-GW1S-02	2-Jun-04	L0406051-05	6020A	COPPER, DISSOLVED	0.00068	J	mg/l		0 001	0 000172	1
4-GW1S-02	2-Jun-04	L0406051-05	6010B	IRON, DISSOLVED		UJ	mg/l		0 05	0.013	1
4-GW1S-02	2-Jun-04	L0406051-05	6020A	LEAD, DISSOLVED	0.00023	U	mg/l		0 0005	0.000028	1
4-GW1S-02	2-Jun-04	L0406051-05	6010B	MAGNESIUM, DISSOLVED	3 5		mg/l		0.1	0 014	1
4-GW1S-02	2-Jun-04	L0406051-05	6010B	MANGANESE, DISSOLVED	0.0076	J	mg/l		0.01	0 0006	1
4-GW1S-02	2-Jun-04	L0406051-05	7470A	MERCURY, DISSOLVED		UJ	mg/l		0 0002	0 000012	1
4-GW1S-02	2-Jun-04	L0406051-05	6020A	MOLYBDENUM, DISSOLVED	0.00007	U	mg/l		0 001	0.00003	1
4-GW1S-02	2-Jun-04	L0406051-05	6020A	NICKEL, DISSOLVED	0.00097	U	mg/l		0.001	0.000024	1
4-GW1S-02	2-Jun-04	L0406051-05	6010B	POTASSIUM, DISSOLVED	4 7		mg/l		2.5	0 094	1
4-GW1S-02	2-Jun-04	L0406051-05	6020A	SELENIUM, DISSOLVED	0.00101	J	mg/l		0.002	0.000298	1
4-GW1S-02	2-Jun-04	L0406051-05	6020A	SILVER, DISSOLVED	0 00004	U	mg/l		0.001	0.000025	1
4-GW1S-02	2-Jun-04	L0406051-05	6010B	SODIUM, DISSOLVED	45		mg/l		10	1 6	5
4-GW1S-02	2-Jun-04	L0406051-05	6020A	THALLIUM, DISSOLVED	0 00007	U	mg/l		0 001	0.000026	1
4-GW1S-02	2-Jun-04	L0406051-05	6020A	VANADIUM, DISSOLVED	0.00016	U	mg/l		0 001	0 00003	1
4-GW1S-02	2-Jun-04	L0406051-05	6020A	ZINC, DISSOLVED	0 0056	J	mg/l		0 005	0 000298	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	1,2,4-TRICHLOROBENZENE		U	ug/l		5	1.3	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	HEXACHLOROBENZENE		U	ug/l		5	1 6	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	BIS(2-CHLOROETHYL)ETHER		U	ug/l		5	1 3	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	1,2-DICHLOROBENZENE		U	ug/l		5	1.1	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	1,3-DICHLOROBENZENE		U	ug/l		5	1	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	1,4-DICHLOROBENZENE		U	ug/l		5	0 96	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	3,3'-DICHLOROBENZIDINE		U	ug/l		50	2 6	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	2,4-DINITROTOLUENE		U	ug/l		6	0 48	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	2,6-DINITROTOLUENE		U	ug/l		5	0.96	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
4-GW1S-02	2-Jun-04	L0406051-05	8270C	4-CHLOROPHENYL PHENYL ETHER		U	ug/l		5	0.96	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	4-BROMOPHENYL PHENYL ETHER		U	ug/l		5	0.99	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	ug/l		5	2.2	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	BIS(2-CHLOROETHOXY)METHANE		U	ug/l		5	1.6	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	HEXACHLOROBUTADIENE		U	ug/l		10	2.1	1
4-GW1S-02	2-Jun-04	L0406051-05	8270C	HEXACHLOROETHANE		U	ug/l		5	0.97	1
2-SW20-02	3-Jun-04	L0406051-06	2320B	ALKALINITY, TOTAL	25		mg CaCO3/L		2	0.4	1
2-SW20-02	3-Jun-04	L0406051-06	2540C	SOLIDS, TOTAL DISSOLVED	160		mg/l		10	2 8	1
2-SW20-02	3-Jun-04	L0406051-06	2540D	SOLIDS, TOTAL SUSPENDED		U	mg/l		10		2
2-SW20-02	3-Jun-04	L0406051-06	9251	CHLORIDE	81		mg/l		1	0 36	1
2-SW20-02	3-Jun-04	L0406051-06	9038	SULFATE	4.6	J	mg/l		10	1 4	1
2-SW20-02	3-Jun-04	L0406051-06	5220D	CHEMICAL OXYGEN DEMAND	84		mg/l		20	4.2	1
2-SW20-02	3-Jun-04	L0406051-06	9060	TOTAL ORGANIC CARBON	4.8		mg/l		0 5	0 043	1
2-SW20-02	3-Jun-04	L0406051-06	2340B	HARDNESS	35		mg/l		1 7		1
2-SW20-02	3-Jun-04	L0406051-06	6010B	ALUMINUM, TOTAL	0 069	J	mg/l		0.1	0.019	1
2-SW20-02	3-Jun-04	L0406051-06	6020A	ANTIMONY, TOTAL	0.00034	J	mg/l		0.001	0 000022	1
2-SW20-02	3-Jun-04	L0406051-06	6020A	ARSENIC, TOTAL	0.00051	J	mg/l		0.001	0.000034	1
2-SW20-02	3-Jun-04	L0406051-06	6020A	BARIUM, TOTAL	0 0204		mg/l		0 001	0 000038	1
2-SW20-02	3-Jun-04	L0406051-06	6020A	BERYLLIUM, TOTAL	0.00002	U	mg/l		0 001	0 000015	1
2-SW20-02	3-Jun-04	L0406051-06	6020A	CADMIUM, TOTAL		U	mg/l		0.0001	0 000034	1
2-SW20-02	3-Jun-04	L0406051-06	6010B	CALCIUM, TOTAL	9 3		mg/l		0 1	0 015	1
2-SW20-02	3-Jun-04	L0406051-06	6020A	CHROMIUM, TOTAL	0.0006	J	mg/l		0.001	0.000031	1
2-SW20-02	3-Jun-04	L0406051-06	6020A	COBALT, TOTAL	0 00024	U	mg/l		0.001	0.000017	1
2-SW20-02	3-Jun-04	L0406051-06	6020A	COPPER, TOTAL	0.0013		mg/l		0.001	0 000172	1
2-SW20-02	3-Jun-04	L0406051-06	6010B	IRON, TOTAL	3	J	mg/l		0.05	0.013	1
2-SW20-02	3-Jun-04	L0406051-06	6020A	LEAD, TOTAL	0.0006		mg/l		0.0005	0 000028	1
2-SW20-02	3-Jun-04	L0406051-06	6010B	MAGNESIUM, TOTAL	2.8		mg/l		0.1	0 014	1
2-SW20-02	3-Jun-04	L0406051-06	6010B	MANGANESE, TOTAL	0 07		mg/l		0 01	0 0006	1
2-SW20-02	3-Jun-04	L0406051-06	7470A	MERCURY, TOTAL		UJ	mg/l		0 0002	0 000012	1
2-SW20-02	3-Jun-04	L0406051-06	6020A	MOLYBDENUM, TOTAL	0.00005	U	mg/l		0 001	0 00003	1
2-SW20-02	3-Jun-04	L0406051-06	6020A	NICKEL, TOTAL	0.00089	J	mg/l		0.001	0.000024	1
2-SW20-02	3-Jun-04	L0406051-06	6010B	POTASSIUM, TOTAL	2 5		mg/l		2 5	0.094	1
2-SW20-02	3-Jun-04	L0406051-06	6020A	SELENIUM, TOTAL		U	mg/l		0 002	0 000298	1
2-SW20-02	3-Jun-04	L0406051-06	6020A	SILVER, TOTAL		U	mg/l		0.001	0.000025	1
2-SW20-02	3-Jun-04	L0406051-06	6010B	SODIUM, TOTAL	49		mg/l		10	1.6	5
2-SW20-02	3-Jun-04	L0406051-06	6020A	THALLIUM, TOTAL		U	mg/l		0.001	0 000026	1
2-SW20-02	3-Jun-04	L0406051-06	6020A	VANADIUM, TOTAL	0 00052	J	mg/l		0.001	0 00003	1
2-SW20-02	3-Jun-04	L0406051-06	6020A	ZINC, TOTAL	0 0241		mg/l		0.005	0.000298	1
2-SW20-02	3-Jun-04	L0406051-06	6010B	ALUMINUM, DISSOLVED	0 028	J	mg/l		0 1	0.019	1
2-SW20-02	3-Jun-04	L0406051-06	6020A	ANTIMONY, DISSOLVED	0.00006	U	mg/l		0 001	0.000022	1
2-SW20-02	3-Jun-04	L0406051-06	6020A	ARSENIC, DISSOLVED	0.00026	J	mg/l		0 001	0.000034	1
2-SW20-02	3-Jun-04	L0406051-06	6020A	BARIUM, DISSOLVED	0 0186		mg/l		0 001	0 000038	1
2-SW20-02	3-Jun-04	L0406051-06	6020A	BERYLLIUM, DISSOLVED		U	mg/l		0.001	0.000015	1
2-SW20-02	3-Jun-04	L0406051-06	6020A	CADMIUM, DISSOLVED		U	mg/l		0 0001	0 000034	1
2-SW20-02	3-Jun-04	L0406051-06	6010B	CALCIUM, DISSOLVED	9.2		mg/l		0 1	0 015	1
2-SW20-02	3-Jun-04	L0406051-06	6020A	CHROMIUM, DISSOLVED	0 00017	U	mg/l		0.001	0 000031	1
2-SW20-02	3-Jun-04	L0406051-06	6020A	COBALT, DISSOLVED	0.00016	U	mg/l		0.001	0 000017	1
2-SW20-02	3-Jun-04	L0406051-06	6020A	COPPER, DISSOLVED	0 00037	J	mg/l		0.001	0 000172	1
2-SW20-02	3-Jun-04	L0406051-06	6010B	IRON, DISSOLVED	0.86	J	mg/l		0 05	0.013	1
2-SW20-02	3-Jun-04	L0406051-06	6020A	LEAD, DISSOLVED	0 00015	U	mg/l		0 0005	0 000028	1
2-SW20-02	3-Jun-04	L0406051-06	6010B	MAGNESIUM, DISSOLVED	2.8		mg/l		0 1	0.014	1
2-SW20-02	3-Jun-04	L0406051-06	6010B	MANGANESE, DISSOLVED	0 05		mg/l		0 01	0 0006	1
2-SW20-02	3-Jun-04	L0406051-06	7470A	MERCURY, DISSOLVED	1.54E-05	J	mg/l		0 0002	0.000012	1
2-SW20-02	3-Jun-04	L0406051-06	6020A	MOLYBDENUM, DISSOLVED	0.00007	U	mg/l		0.001	0.00003	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-SW20-02	3-Jun-04	L0406051-06	6020A	NICKEL, DISSOLVED	0.00019	U	mg/l		0 001	0.000024	1
2-SW20-02	3-Jun-04	L0406051-06	6010B	POTASSIUM, DISSOLVED	2.4	J	mg/l		2 5	0 094	1
2-SW20-02	3-Jun-04	L0406051-06	6020A	SELENIUM, DISSOLVED		U	mg/l		0.002	0.000298	1
2-SW20-02	3-Jun-04	L0406051-06	6020A	SILVER, DISSOLVED		U	mg/l		0.001	0.000025	1
2-SW20-02	3-Jun-04	L0406051-06	6010B	SODIUM, DISSOLVED	49		mg/l		10	1 6	5
2-SW20-02	3-Jun-04	L0406051-06	6020A	THALLIUM, DISSOLVED	0.00003	U	mg/l		0.001	0 000026	1
2-SW20-02	3-Jun-04	L0406051-06	6020A	VANADIUM, DISSOLVED	0.00017	U	mg/l		0.001	0 00003	1
2-SW20-02	3-Jun-04	L0406051-06	6020A	ZINC, DISSOLVED	0 0066	J	mg/l		0 005	0 000298	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	1,2,4-TRICHLOROBENZENE		U	ug/l		5	1.3	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	HEXACHLOROBENZENE		U	ug/l		5	1.6	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	BIS(2-CHLOROETHYL)ETHER		U	ug/l		5	1 3	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	1,2-DICHLOROBENZENE		U	ug/l		5	1.1	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	1,3-DICHLOROBENZENE		U	ug/l		5	1	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	1,4-DICHLOROBENZENE		U	ug/l		5	0 96	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	3,3'-DICHLOROBENZIDINE		U	ug/l		50	2 6	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	2,4-DINITROTOLUENE		U	ug/l		6	0 48	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	2,6-DINITROTOLUENE		U	ug/l		5	0 96	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	4-CHLOROPHENYL PHENYL ETHER		U	ug/l		5	0 96	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	4-BROMOPHENYL PHENYL ETHER		U	ug/l		5	0 99	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	ug/l		5	2 2	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	BIS(2-CHLOROETHOXY)METHANE		U	ug/l		5	1.6	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	HEXACHLOROBUTADIENE		U	ug/l		10	2 1	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	HEXACHLOROETHANE		U	ug/l		5	0 97	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	ISOPHORONE		U	ug/l		5	1 6	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	NITROBENZENE		U	ug/l		5	1.6	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	ug/l		15	4.2	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	N-NITROSODI-N-PROPYLAMINE		U	ug/l		5	1 6	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	BIS(2-ETHYLHEXYL)PHTHALATE		U	ug/l		10	1 6	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	BUTYL BENZYL PHTHALATE		U	ug/l		5	0 67	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	DI-N-BUTYLPHTHALATE		U	ug/l		5	0 5	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	DI-N-OCTYLPHTHALATE		U	ug/l		5	0.54	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	DIETHYL PHTHALATE		U	ug/l		5	1.6	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	DIMETHYL PHTHALATE		U	ug/l		5	1 6	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	4-CHLOROANILINE		U	ug/l		5	1 4	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	2-NITROANILINE		U	ug/l		5	1.1	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	3-NITROANILINE		U	ug/l		5	1.1	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	4-NITROANILINE		U	ug/l		7	1.3	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	DIBENZOFURAN		U	ug/l		5	0.92	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	2,4,6-TRICHLOROPHENOL		U	ug/l		5	1.2	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	P-CHLORO-M-CRESOL		U	ug/l		5	1.5	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	2-CHLOROPHENOL		U	ug/l		6	1 8	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	2,4-DICHLOROPHENOL		U	ug/l		10	2.1	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	2,4-DIMETHYLPHENOL		UJ	ug/l		10	3.1	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	2-NITROPHENOL		U	ug/l		20	2 3	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	4-NITROPHENOL		U	ug/l		10	1.6	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	2,4-DINITROPHENOL		U	ug/l		20	1	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	4,6-DINITRO-O-CRESOL		U	ug/l		20	1.4	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	PENTACHLOROPHENOL		U	ug/l		20	1.6	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	PHENOL		U	ug/l		7	1.2	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	2-METHYLPHENOL		U	ug/l		6	1.5	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	3-METHYLPHENOL/4-METHYLPHENOL		U	ug/l		6	1 6	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	2,4,5-TRICHLOROPHENOL		U	ug/l		5	0.96	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	BENZOIC ACID		U	ug/l		50	0 99	1
2-SW20-02	3-Jun-04	L0406051-06	8270C	CARBAZOLE		U	ug/l		5	1 6	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-SW20-02	3-Jun-04	L0406051-06	8270C-SIM	ACENAPHTHENE		U	ug/l		0.2	0 036	1
2-SW20-02	3-Jun-04	L0406051-06	8270C-SIM	2-CHLORONAPHTHALENE		U	ug/l		0.2	0 042	1
2-SW20-02	3-Jun-04	L0406051-06	8270C-SIM	FLUORANTHENE		U	ug/l		0.2	0 04	1
2-SW20-02	3-Jun-04	L0406051-06	8270C-SIM	NAPHTHALENE		U	ug/l		0.2	0 031	1
2-SW20-02	3-Jun-04	L0406051-06	8270C-SIM	BENZO(A)ANTHRACENE		UJ	ug/l		0.2	0.038	1
2-SW20-02	3-Jun-04	L0406051-06	8270C-SIM	BENZO(A)PYRENE		U	ug/l		0 2	0.04	1
2-SW20-02	3-Jun-04	L0406051-06	8270C-SIM	BENZO(B)FLUORANTHENE		U	ug/l		0 2	0.05	1
2-SW20-02	3-Jun-04	L0406051-06	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	ug/l		0.2	0 036	1
2-SW20-02	3-Jun-04	L0406051-06	8270C-SIM	CHRYSENE		U	ug/l		0 2	0 024	1
2-SW20-02	3-Jun-04	L0406051-06	8270C-SIM	ACENAPHTHYLENE		U	ug/l		0 2	0 03	1
2-SW20-02	3-Jun-04	L0406051-06	8270C-SIM	ANTHRACENE		U	ug/l		0.2	0 049	1
2-SW20-02	3-Jun-04	L0406051-06	8270C-SIM	BENZO(GHI)PERYLENE		UJ	ug/l		0.25	0.025	1
2-SW20-02	3-Jun-04	L0406051-06	8270C-SIM	FLUORENE		U	ug/l		0 2	0 024	1
2-SW20-02	3-Jun-04	L0406051-06	8270C-SIM	PHENANTHRENE		U	ug/l		0.2	0 031	1
2-SW20-02	3-Jun-04	L0406051-06	8270C-SIM	DIBENZO(A,H)ANTHRACENE		U	ug/l		0.2	0.017	1
2-SW20-02	3-Jun-04	L0406051-06	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	ug/l		0 2	0 026	1
2-SW20-02	3-Jun-04	L0406051-06	8270C-SIM	PYRENE		U	ug/l		0.2	0.046	1
2-SW20-02	3-Jun-04	L0406051-06	8270C-SIM	2-METHYLNAPHTHALENE		U	ug/l		0 2	0.036	1
2-GW20S-02	3-Jun-04	L0406051-07	2320B	ALKALINITY, TOTAL	22		mg CaCO3/L		2	0.4	1
2-GW20S-02	3-Jun-04	L0406051-07	2540C	SOLIDS, TOTAL DISSOLVED	190		mg/l		10	2.8	1
2-GW20S-02	3-Jun-04	L0406051-07	2540D	SOLIDS, TOTAL SUSPENDED		U	mg/l		10		2
2-GW20S-02	3-Jun-04	L0406051-07	9251	CHLORIDE	85		mg/l		1	0.36	1
2-GW20S-02	3-Jun-04	L0406051-07	9038	SULFATE	3.6	J	mg/l		10	1 4	1
2-GW20S-02	3-Jun-04	L0406051-07	5220D	CHEMICAL OXYGEN DEMAND	22		mg/l		20	4.2	1
2-GW20S-02	3-Jun-04	L0406051-07	9060	TOTAL ORGANIC CARBON	3		mg/l		1	0 086	2
2-GW20S-02	3-Jun-04	L0406051-07	2340B	HARDNESS	60		mg/l		1 7		1
2-GW20S-02	3-Jun-04	L0406051-07	6010B	ALUMINUM, TOTAL	0 13		mg/l		0 1	0 019	1
2-GW20S-02	3-Jun-04	L0406051-07	6020A	ANTIMONY, TOTAL	0 00006	J	mg/l		0.001	0 000022	1
2-GW20S-02	3-Jun-04	L0406051-07	6020A	ARSENIC, TOTAL	0 0029		mg/l		0.001	0 000034	1
2-GW20S-02	3-Jun-04	L0406051-07	6020A	BARIUM, TOTAL	0 0416		mg/l		0.001	0 000038	1
2-GW20S-02	3-Jun-04	L0406051-07	6020A	BERYLLIUM, TOTAL	0 00003	U	mg/l		0 001	0.000015	1
2-GW20S-02	3-Jun-04	L0406051-07	6020A	CADMIUM, TOTAL	0.0002		mg/l		0 0001	0.000034	1
2-GW20S-02	3-Jun-04	L0406051-07	6010B	CALCIUM, TOTAL	19		mg/l		0 1	0.015	1
2-GW20S-02	3-Jun-04	L0406051-07	6020A	CHROMIUM, TOTAL	0 0014		mg/l		0.001	0 000031	1
2-GW20S-02	3-Jun-04	L0406051-07	6020A	COBALT, TOTAL	0.0023		mg/l		0 001	0 000017	1
2-GW20S-02	3-Jun-04	L0406051-07	6020A	COPPER, TOTAL	0.0035		mg/l		0.001	0.000172	1
2-GW20S-02	3-Jun-04	L0406051-07	6010B	IRON, TOTAL	6.8	J	mg/l		0 05	0.013	1
2-GW20S-02	3-Jun-04	L0406051-07	6020A	LEAD, TOTAL	0.0011		mg/l		0.0005	0.000028	1
2-GW20S-02	3-Jun-04	L0406051-07	6010B	MAGNESIUM, TOTAL	3.1		mg/l		0 1	0.014	1
2-GW20S-02	3-Jun-04	L0406051-07	6010B	MANGANESE, TOTAL	0 44		mg/l		0.01	0 0006	1
2-GW20S-02	3-Jun-04	L0406051-07	7470A	MERCURY, TOTAL		UJ	mg/l		0.0002	0 000012	1
2-GW20S-02	3-Jun-04	L0406051-07	6020A	MOLYBDENUM, TOTAL	0 00017	U	mg/l		0 001	0.00003	1
2-GW20S-02	3-Jun-04	L0406051-07	6020A	NICKEL, TOTAL	0 008		mg/l		0 001	0 000024	1
2-GW20S-02	3-Jun-04	L0406051-07	6010B	POTASSIUM, TOTAL	3 2		mg/l		2.5	0 094	1
2-GW20S-02	3-Jun-04	L0406051-07	6020A	SELENIUM, TOTAL		U	mg/l		0.002	0.000298	1
2-GW20S-02	3-Jun-04	L0406051-07	6020A	SILVER, TOTAL		U	mg/l		0 001	0 000025	1
2-GW20S-02	3-Jun-04	L0406051-07	6010B	SODIUM, TOTAL	37		mg/l		10	1 6	5
2-GW20S-02	3-Jun-04	L0406051-07	6020A	THALLIUM, TOTAL		U	mg/l		0 001	0.000026	1
2-GW20S-02	3-Jun-04	L0406051-07	6020A	VANADIUM, TOTAL	0 00073	J	mg/l		0 001	0.00003	1
2-GW20S-02	3-Jun-04	L0406051-07	6020A	ZINC, TOTAL	0 0434		mg/l		0 005	0.000298	1
2-GW20S-02	3-Jun-04	L0406051-07	6010B	ALUMINUM, DISSOLVED	0 042	J	mg/l		0 1	0 019	1
2-GW20S-02	3-Jun-04	L0406051-07	6020A	ANTIMONY, DISSOLVED	0 00005	U	mg/l		0 001	0 000022	1
2-GW20S-02	3-Jun-04	L0406051-07	6020A	ARSENIC, DISSOLVED	0 0022		mg/l		0 001	0 000034	1
2-GW20S-02	3-Jun-04	L0406051-07	6020A	BARIUM, DISSOLVED	0 0499		mg/l		0 001	0 000038	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-GW20S-02	3-Jun-04	L0406051-07	6020A	BERYLLIUM, DISSOLVED		U	mg/l		0.001	0.000015	1
2-GW20S-02	3-Jun-04	L0406051-07	6020A	CADMIUM, DISSOLVED		U	mg/l		0 0001	0 000034	1
2-GW20S-02	3-Jun-04	L0406051-07	6010B	CALCIUM, DISSOLVED	24		mg/l		0 1	0.015	1
2-GW20S-02	3-Jun-04	L0406051-07	6020A	CHROMIUM, DISSOLVED	0.00056	J	mg/l		0.001	0.000031	1
2-GW20S-02	3-Jun-04	L0406051-07	6020A	COBALT, DISSOLVED	0 0022		mg/l		0.001	0.000017	1
2-GW20S-02	3-Jun-04	L0406051-07	6020A	COPPER, DISSOLVED	0.00027	J	mg/l		0 001	0 000172	1
2-GW20S-02	3-Jun-04	L0406051-07	6010B	IRON, DISSOLVED	6 6	J	mg/l		0 05	0 013	1
2-GW20S-02	3-Jun-04	L0406051-07	6020A	LEAD, DISSOLVED	0.00011	U	mg/l		0 0005	0.000028	1
2-GW20S-02	3-Jun-04	L0406051-07	6010B	MAGNESIUM, DISSOLVED	4		mg/l		0.1	0.014	1
2-GW20S-02	3-Jun-04	L0406051-07	6010B	MANGANESE, DISSOLVED	0 48		mg/l		0 01	0.0006	1
2-GW20S-02	3-Jun-04	L0406051-07	7470A	MERCURY, DISSOLVED		UJ	mg/l		0.0002	0 000012	1
2-GW20S-02	3-Jun-04	L0406051-07	6020A	MOLYBDENUM, DISSOLVED	0 00021	U	mg/l		0 001	0.00003	1
2-GW20S-02	3-Jun-04	L0406051-07	6020A	NICKEL, DISSOLVED	0 0072		mg/l		0.001	0 000024	1
2-GW20S-02	3-Jun-04	L0406051-07	6010B	POTASSIUM, DISSOLVED	4 2		mg/l		2 5	0 094	1
2-GW20S-02	3-Jun-04	L0406051-07	6020A	SELENIUM, DISSOLVED		U	mg/l		0 002	0 000298	1
2-GW20S-02	3-Jun-04	L0406051-07	6020A	SILVER, DISSOLVED		U	mg/l		0.001	0 000025	1
2-GW20S-02	3-Jun-04	L0406051-07	6010B	SODIUM, DISSOLVED	49		mg/l		10	1 6	5
2-GW20S-02	3-Jun-04	L0406051-07	6020A	THALLIUM, DISSOLVED	0.00003	U	mg/l		0 001	0.000026	1
2-GW20S-02	3-Jun-04	L0406051-07	6020A	VANADIUM, DISSOLVED	0 00051	J	mg/l		0 001	0 00003	1
2-GW20S-02	3-Jun-04	L0406051-07	6020A	ZINC, DISSOLVED	0 0267	J	mg/l		0 005	0 000298	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	1,2,4-TRICHLOROBENZENE		U	ug/l		5	1.3	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	HEXACHLOROBENZENE		U	ug/l		5	1 6	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	BIS(2-CHLOROETHYL)ETHER		U	ug/l		5	1.3	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	1,2-DICHLOROBENZENE		U	ug/l		5	1.1	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	1,3-DICHLOROBENZENE		U	ug/l		5	1	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	1,4-DICHLOROBENZENE		U	ug/l		5	0 96	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	3,3'-DICHLOROBENZIDINE		U	ug/l		50	2 6	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	2,4-DINITROTOLUENE		U	ug/l		6	0.48	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	2,6-DINITROTOLUENE		U	ug/l		5	0 96	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	4-CHLOROPHENYL PHENYL ETHER		U	ug/l		5	0.96	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	4-BROMOPHENYL PHENYL ETHER		U	ug/l		5	0 99	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	ug/l		5	2.2	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	BIS(2-CHLOROETHOXY)METHANE		U	ug/l		5	1 6	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	HEXACHLOROBUTADIENE		U	ug/l		10	2.1	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	HEXACHLOROETHANE		U	ug/l		5	0.97	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	ISOPHORONE		U	ug/l		5	1 6	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	NITROBENZENE		U	ug/l		5	1 6	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	ug/l		15	4 2	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	N-NITROSODI-N-PROPYLAMINE		U	ug/l		5	1 6	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	BIS(2-ETHYLHEXYL)PHTHALATE		U	ug/l		10	1.6	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	BUTYL BENZYL PHTHALATE		U	ug/l		5	0 67	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	DI-N-BUTYLPHTHALATE		U	ug/l		5	0 5	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	DI-N-OCTYLPHTHALATE		U	ug/l		5	0 54	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	DIETHYL PHTHALATE		U	ug/l		5	1 6	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	DIMETHYL PHTHALATE		U	ug/l		5	1 6	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	4-CHLOROANILINE		U	ug/l		5	1.4	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	2-NITROANILINE		U	ug/l		5	1.1	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	3-NITROANILINE		U	ug/l		5	1.1	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	4-NITROANILINE		U	ug/l		7	1.3	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	DIBENZOFURAN		U	ug/l		5	0 92	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	2,4,6-TRICHLOROPHENOL		U	ug/l		5	1 2	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	P-CHLORO-M-CRESOL		U	ug/l		5	1.5	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	2-CHLOROPHENOL		U	ug/l		6	1 8	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	2,4-DICHLOROPHENOL		U	ug/l		10	2 1	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-GW20S-02	3-Jun-04	L0406051-07	8270C	2,4-DIMETHYLPHENOL		UJ	ug/l		10	3 1	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	2-NITROPHENOL		U	ug/l		20	2.3	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	4-NITROPHENOL		U	ug/l		10	1.6	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	2,4-DINITROPHENOL		U	ug/l		20	1	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	4,6-DINITRO-O-CRESOL		U	ug/l		20	1.4	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	PENTACHLOROPHENOL		U	ug/l		20	1.6	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	PHENOL		U	ug/l		7	1.2	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	2-METHYLPHENOL		U	ug/l		6	1.5	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	3-METHYLPHENOL/4-METHYLPHENOL	2 1	J	ug/l		6	1.6	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	2,4,5-TRICHLOROPHENOL		U	ug/l		5	0.96	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	BENZOIC ACID		U	ug/l		50	0 99	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C	CARBAZOLE		U	ug/l		5	1 6	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C-SIM	ACENAPHTHENE		U	ug/l		0 2	0.036	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C-SIM	2-CHLORONAPHTHALENE		U	ug/l		0 2	0.042	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C-SIM	FLUORANTHENE		U	ug/l		0 2	0.04	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C-SIM	NAPHTHALENE		U	ug/l		0 2	0.031	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C-SIM	BENZO(A)ANTHRACENE		UJ	ug/l		0 2	0.038	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C-SIM	BENZO(A)PYRENE		U	ug/l		0 2	0 04	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C-SIM	BENZO(B)FLUORANTHENE		U	ug/l		0.2	0 05	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	ug/l		0.2	0 036	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C-SIM	CHRYSENE		U	ug/l		0 2	0.024	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C-SIM	ACENAPHTHYLENE		U	ug/l		0 2	0.03	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C-SIM	ANTHRACENE		U	ug/l		0 2	0 049	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C-SIM	BENZO(GHI)PERYLENE		UJ	ug/l		0.25	0 025	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C-SIM	FLUORENE		U	ug/l		0.2	0.024	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C-SIM	PHENANTHRENE		U	ug/l		0 2	0 031	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C-SIM	DIBENZO(A,H)ANTHRACENE		U	ug/l		0 2	0 017	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	ug/l		0 2	0.026	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C-SIM	PYRENE		U	ug/l		0.2	0 046	1
2-GW20S-02	3-Jun-04	L0406051-07	8270C-SIM	2-METHYLNAPHTHALENE		U	ug/l		0.2	0 036	1
2-GW43DS-02	3-Jun-04	L0406051-08	6020A	BERYLLIUM, DISSOLVED	0.00002	U	mg/l		0.001	0.000015	1
2-GW43DS-02	3-Jun-04	L0406051-08	6020A	CADMIUM, DISSOLVED		U	mg/l		0 0001	0.000034	1
2-GW43DS-02	3-Jun-04	L0406051-08	6010B	CALCIUM, DISSOLVED	250		mg/l		1	0 15	10
2-GW43DS-02	3-Jun-04	L0406051-08	6020A	CHROMIUM, DISSOLVED	0 0063		mg/l		0 001	0.000031	1
2-GW43DS-02	3-Jun-04	L0406051-08	6020A	COBALT, DISSOLVED	0 00095	J	mg/l		0.001	0.000017	1
2-GW43DS-02	3-Jun-04	L0406051-08	6020A	COPPER, DISSOLVED	0 00076	J	mg/l		0.001	0 000172	1
2-GW43DS-02	3-Jun-04	L0406051-08	6010B	IRON, DISSOLVED	0.05	J	mg/l		0.05	0 013	1
2-GW43DS-02	3-Jun-04	L0406051-08	6020A	LEAD, DISSOLVED		UJ	mg/l		0.0005	0 000028	1
2-GW43DS-02	3-Jun-04	L0406051-08	6010B	MAGNESIUM, DISSOLVED	750		mg/l		1	0.14	10
2-GW43DS-02	3-Jun-04	L0406051-08	6010B	MANGANESE, DISSOLVED	0.01		mg/l		0 01	0 0006	1
2-GW43DS-02	3-Jun-04	L0406051-08	7470A	MERCURY, DISSOLVED	1.29E-05	J	mg/l		0 0002	0.000012	1
2-GW43DS-02	3-Jun-04	L0406051-08	6020A	MOLYBDENUM, DISSOLVED	0.00027	U	mg/l		0.001	0 00003	1
2-GW43DS-02	3-Jun-04	L0406051-08	6020A	NICKEL, DISSOLVED	0 0017		mg/l		0 001	0 000024	1
2-GW43DS-02	3-Jun-04	L0406051-08	6010B	POTASSIUM, DISSOLVED	380		mg/l		25	0 94	10
2-GW43DS-02	3-Jun-04	L0406051-08	6020A	SELENIUM, DISSOLVED	0 023		mg/l		0 002	0 000298	1
2-GW43DS-02	3-Jun-04	L0406051-08	6020A	SILVER, DISSOLVED	0 00003	U	mg/l		0 001	0 000025	1
2-GW43DS-02	3-Jun-04	L0406051-08	6010B	SODIUM, DISSOLVED	5600		mg/l		1000	160	500
2-GW43DS-02	3-Jun-04	L0406051-08	6020A	THALLIUM, DISSOLVED	0.00003	U	mg/l		0.001	0 000026	1
2-GW43DS-02	3-Jun-04	L0406051-08	6020A	VANADIUM, DISSOLVED	0.0059		mg/l		0.001	0 00003	1
2-GW43DS-02	3-Jun-04	L0406051-08	6020A	ZINC, DISSOLVED	0.00229	J	mg/l		0 005	0 000298	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	1,2,4-TRICHLOROBENZENE		U	ug/l		5	1 3	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	HEXACHLOROBENZENE		U	ug/l		5	1 6	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	BIS(2-CHLOROETHYL)ETHER		U	ug/l		5	1 3	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	1,2-DICHLOROBENZENE		U	ug/l		5	1.1	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	1,3-DICHLOROBENZENE		U	ug/l		5	1	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	1,4-DICHLOROBENZENE		U	ug/l		5	0 96	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	3,3'-DICHLOROBENZIDINE		U	ug/l		50	2 6	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	2,4-DINITROTOLUENE		U	ug/l		6	0.48	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	2,6-DINITROTOLUENE		U	ug/l		5	0.96	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	4-CHLOROPHENYL PHENYL ETHER		U	ug/l		5	0.96	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	4-BROMOPHENYL PHENYL ETHER		U	ug/l		5	0.99	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	ug/l		5	2.2	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	BIS(2-CHLOROETHOXY)METHANE		U	ug/l		5	1.6	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	HEXACHLOROBUTADIENE		U	ug/l		10	2 1	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	HEXACHLOROETHANE		U	ug/l		5	0.97	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	ISOPHORONE		U	ug/l		5	1 6	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	NITROBENZENE		U	ug/l		5	1.6	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	ug/l		15	4 2	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	N-NITROSODI-N-PROPYLAMINE		U	ug/l		5	1 6	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	BIS(2-ETHYLHEXYL)PHTHALATE		U	ug/l		10	1.6	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	BUTYL BENZYL PHTHALATE		U	ug/l		5	0 67	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	DI-N-BUTYLPHTHALATE		U	ug/l		5	0 5	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	DI-N-OCTYLPHTHALATE		U	ug/l		5	0 54	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	DIETHYL PHTHALATE		U	ug/l		5	1 6	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	DIMETHYL PHTHALATE		U	ug/l		5	1.6	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	4-CHLOROANILINE		U	ug/l		5	1 4	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	2-NITROANILINE		U	ug/l		5	1 1	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	3-NITROANILINE		U	ug/l		5	1.1	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	4-NITROANILINE		U	ug/l		7	1 3	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	DIBENZOFURAN		U	ug/l		5	0 92	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	2,4,6-TRICHLOROPHENOL		U	ug/l		5	1.2	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	P-CHLORO-M-CRESOL		U	ug/l		5	1.5	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	2-CHLOROPHENOL		U	ug/l		6	1.8	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	2,4-DICHLOROPHENOL		U	ug/l		10	2 1	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	2,4-DIMETHYLPHENOL		UJ	ug/l		10	3 1	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	2-NITROPHENOL		U	ug/l		20	2.3	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	4-NITROPHENOL		U	ug/l		10	1.6	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	2,4-DINITROPHENOL		U	ug/l		20	1	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	4,6-DINITRO-O-CRESOL		U	ug/l		20	1 4	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	PENTACHLOROPHENOL		U	ug/l		20	1.6	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	PHENOL		U	ug/l		7	1.2	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	2-METHYLPHENOL		U	ug/l		6	1.5	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	3-METHYLPHENOL/4-METHYLPHENOL		U	ug/l		6	1.6	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	2,4,5-TRICHLOROPHENOL		U	ug/l		5	0 96	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	BENZOIC ACID		U	ug/l		50	0.99	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C	CARBAZOLE		U	ug/l		5	1 6	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C-SIM	ACENAPHTHENE		U	ug/l		0.2	0 036	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C-SIM	2-CHLORONAPHTHALENE		U	ug/l		0.2	0 042	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C-SIM	FLUORANTHENE		U	ug/l		0.2	0.04	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C-SIM	NAPHTHALENE		U	ug/l		0.2	0.031	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C-SIM	BENZO(A)ANTHRACENE		UJ	ug/l		0.2	0.038	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C-SIM	BENZO(A)PYRENE		U	ug/l		0.2	0 04	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C-SIM	BENZO(B)FLUORANTHENE		U	ug/l		0.2	0 05	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	ug/l		0.2	0 036	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C-SIM	CHRYSENE		U	ug/l		0 2	0.024	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C-SIM	ACENAPHTHYLENE		U	ug/l		0 2	0 03	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C-SIM	ANTHRACENE		U	ug/l		0 2	0.049	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C-SIM	BENZO(GHI)PERYLENE		UJ	ug/l		0 25	0 025	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-GW43DS-02	3-Jun-04	L0406051-08	8270C-SIM	FLUORENE		U	ug/l		0.2	0 024	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C-SIM	PHENANTHRENE		U	ug/l		0.2	0 031	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C-SIM	DIBENZO(A,H)ANTHRACENE		U	ug/l		0 2	0.017	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	ug/l		0.2	0 026	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C-SIM	PYRENE		U	ug/l		0 2	0.046	1
2-GW43DS-02	3-Jun-04	L0406051-08	8270C-SIM	2-METHYLNAPHTHALENE		U	ug/l		0 2	0.036	1
2-GW43DS-02	3-Jun-04	L0406051-08	2320B	ALKALINITY, TOTAL	1600		mg CaCO3/L		5	1	2 5
2-GW43DS-02	3-Jun-04	L0406051-08	2540C	SOLIDS, TOTAL DISSOLVED	18000		mg/l		10	2.8	1
2-GW43DS-02	3-Jun-04	L0406051-08	2540D	SOLIDS, TOTAL SUSPENDED		U	mg/l		10		2
2-GW43DS-02	3-Jun-04	L0406051-08	9251	CHLORIDE	10000		mg/l		200	0.36	200
2-GW43DS-02	3-Jun-04	L0406051-08	9038	SULFATE	360		mg/l		120	18	12.5
2-GW43DS-02	3-Jun-04	L0406051-08	5220D	CHEMICAL OXYGEN DEMAND	1100		mg/l		20	4.2	1
2-GW43DS-02	3-Jun-04	L0406051-08	9060	TOTAL ORGANIC CARBON	32		mg/l		12	1 1	25
2-GW43DS-02	3-Jun-04	L0406051-08	2340B	HARDNESS	3600		mg/l		17		10
2-GW43DS-02	3-Jun-04	L0406051-08	6010B	ALUMINUM, TOTAL	0.048	J	mg/l		0 1	0.019	1
2-GW43DS-02	3-Jun-04	L0406051-08	6020A	ANTIMONY, TOTAL	0.00039	J	mg/l		0 001	0 000022	1
2-GW43DS-02	3-Jun-04	L0406051-08	6020A	ARSENIC, TOTAL	0 007		mg/l		0.001	0.000034	1
2-GW43DS-02	3-Jun-04	L0406051-08	6020A	BARIUM, TOTAL	0 102		mg/l		0.001	0 000038	1
2-GW43DS-02	3-Jun-04	L0406051-08	6020A	BERYLLIUM, TOTAL	0.00003	U	mg/l		0 001	0 000015	1
2-GW43DS-02	3-Jun-04	L0406051-08	6020A	CADMIUM, TOTAL		U	mg/l		0.001	0.00034	10
2-GW43DS-02	3-Jun-04	L0406051-08	6010B	CALCIUM, TOTAL	240		mg/l		1	0.15	10
2-GW43DS-02	3-Jun-04	L0406051-08	6020A	CHROMIUM, TOTAL	0 0069		mg/l		0 001	0.000031	1
2-GW43DS-02	3-Jun-04	L0406051-08	6020A	COBALT, TOTAL	0.0013		mg/l		0 001	0 000017	1
2-GW43DS-02	3-Jun-04	L0406051-08	6020A	COPPER, TOTAL	0.0055		mg/l		0 001	0.000172	1
2-GW43DS-02	3-Jun-04	L0406051-08	6010B	IRON, TOTAL	0.27	J	mg/l		0 05	0 013	1
2-GW43DS-02	3-Jun-04	L0406051-08	6020A	LEAD, TOTAL	0 00016	U	mg/l		0.0005	0 000028	1
2-GW43DS-02	3-Jun-04	L0406051-08	6010B	MAGNESIUM, TOTAL	730		mg/l		1	0.14	10
2-GW43DS-02	3-Jun-04	L0406051-08	6010B	MANGANESE, TOTAL	0.02		mg/l		0 01	0 0006	1
2-GW43DS-02	3-Jun-04	L0406051-08	7470A	MERCURY, TOTAL	1.68E-05	J	mg/l		0 0002	0 000012	1
2-GW43DS-02	3-Jun-04	L0406051-08	6020A	MOLYBDENUM, TOTAL	0 00031	U	mg/l		0.001	0 00003	1
2-GW43DS-02	3-Jun-04	L0406051-08	6020A	NICKEL, TOTAL	0.0035		mg/l		0.001	0.000024	1
2-GW43DS-02	3-Jun-04	L0406051-08	6010B	POTASSIUM, TOTAL	380		mg/l		25	0.94	10
2-GW43DS-02	3-Jun-04	L0406051-08	6020A	SELENIUM, TOTAL	0 02		mg/l		0 002	0 000298	1
2-GW43DS-02	3-Jun-04	L0406051-08	6020A	SILVER, TOTAL	0 00003	U	mg/l		0 001	0.000025	1
2-GW43DS-02	3-Jun-04	L0406051-08	6010B	SODIUM, TOTAL	5600		mg/l		1000	160	500
2-GW43DS-02	3-Jun-04	L0406051-08	6020A	THALLIUM, TOTAL		U	mg/l		0 001	0 000026	1
2-GW43DS-02	3-Jun-04	L0406051-08	6020A	VANADIUM, TOTAL	0.006		mg/l		0.001	0 00003	1
2-GW43DS-02	3-Jun-04	L0406051-08	6020A	ZINC, TOTAL	0.0211		mg/l		0 005	0 000298	1
2-GW43DS-02	3-Jun-04	L0406051-08	6010B	ALUMINUM, DISSOLVED		U	mg/l		0.1	0.019	1
2-GW43DS-02	3-Jun-04	L0406051-08	6020A	ANTIMONY, DISSOLVED	0 00044	J	mg/l		0 001	0 000022	1
2-GW43DS-02	3-Jun-04	L0406051-08	6020A	ARSENIC, DISSOLVED	0 0079		mg/l		0.001	0 000034	1
2-GW43DS-02	3-Jun-04	L0406051-08	6020A	BARIUM, DISSOLVED	0 1097		mg/l		0 001	0 000038	1
2-SW24-02	3-Jun-04	L0406051-09	2320B	ALKALINITY, TOTAL	29		mg CaCO3/L		2	0.4	1
2-SW24-02	3-Jun-04	L0406051-09	2540C	SOLIDS, TOTAL DISSOLVED	120		mg/l		10	2 8	1
2-SW24-02	3-Jun-04	L0406051-09	2540D	SOLIDS, TOTAL SUSPENDED	270		mg/l		15		3
2-SW24-02	3-Jun-04	L0406051-09	9251	CHLORIDE	50		mg/l		1	0.36	1
2-SW24-02	3-Jun-04	L0406051-09	9038	SULFATE	1.4	J	mg/l		10	1 4	1
2-SW24-02	3-Jun-04	L0406051-09	5220D	CHEMICAL OXYGEN DEMAND	300		mg/l		20	4.2	1
2-SW24-02	3-Jun-04	L0406051-09	9060	TOTAL ORGANIC CARBON	9.2		mg/l		2	0.17	4
2-SW24-02	3-Jun-04	L0406051-09	2340B	HARDNESS	73		mg/l		1.7		1
2-SW24-02	3-Jun-04	L0406051-09	6010B	ALUMINUM, TOTAL	26		mg/l		0 1	0 019	1
2-SW24-02	3-Jun-04	L0406051-09	6020A	ANTIMONY, TOTAL	0 0013		mg/l		0 001	0 000022	1
2-SW24-02	3-Jun-04	L0406051-09	6020A	ARSENIC, TOTAL	0.0449		mg/l		0 001	0.000034	1
2-SW24-02	3-Jun-04	L0406051-09	6020A	BARIUM, TOTAL	0.2766		mg/l		0 005	0 00019	5

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-SW24-02	3-Jun-04	L0406051-09	6020A	BERYLLIUM, TOTAL	0 0011	J	mg/l		0 001	0.000015	1
2-SW24-02	3-Jun-04	L0406051-09	6020A	CADMIUM, TOTAL	0.0005		mg/l		0 0001	0 000034	1
2-SW24-02	3-Jun-04	L0406051-09	6010B	CALCIUM, TOTAL	9 7		mg/l		0 1	0.015	1
2-SW24-02	3-Jun-04	L0406051-09	6020A	CHROMIUM, TOTAL	0.034		mg/l		0.001	0.000031	1
2-SW24-02	3-Jun-04	L0406051-09	6020A	COBALT, TOTAL	0.0183		mg/l		0 001	0.000017	1
2-SW24-02	3-Jun-04	L0406051-09	6020A	COPPER, TOTAL	0.1099		mg/l		0.001	0.000172	1
2-SW24-02	3-Jun-04	L0406051-09	6010B	IRON, TOTAL	77	J	mg/l		0 05	0 013	1
2-SW24-02	3-Jun-04	L0406051-09	6020A	LEAD, TOTAL	0 0707		mg/l		0.0005	0.000028	1
2-SW24-02	3-Jun-04	L0406051-09	6010B	MAGNESIUM, TOTAL	12		mg/l		0.1	0 014	1
2-SW24-02	3-Jun-04	L0406051-09	6010B	MANGANESE, TOTAL	1.2		mg/l		0.01	0 0006	1
2-SW24-02	3-Jun-04	L0406051-09	7470A	MERCURY, TOTAL	0 0002	J	mg/l		0 0002	0 000012	1
2-SW24-02	3-Jun-04	L0406051-09	6020A	MOLYBDENUM, TOTAL	0.0031		mg/l		0.001	0.00003	1
2-SW24-02	3-Jun-04	L0406051-09	6020A	NICKEL, TOTAL	0 0415		mg/l		0 001	0 000024	1
2-SW24-02	3-Jun-04	L0406051-09	6010B	POTASSIUM, TOTAL	11		mg/l		2 5	0 094	1
2-SW24-02	3-Jun-04	L0406051-09	6020A	SELENIUM, TOTAL	0 00168	U	mg/l		0 002	0 000298	1
2-SW24-02	3-Jun-04	L0406051-09	6020A	SILVER, TOTAL	0 00026	J	mg/l		0.001	0.000025	1
2-SW24-02	3-Jun-04	L0406051-09	6010B	SODIUM, TOTAL	24		mg/l		4	0 63	2
2-SW24-02	3-Jun-04	L0406051-09	6020A	THALLIUM, TOTAL	0.00043	J	mg/l		0.001	0.000026	1
2-SW24-02	3-Jun-04	L0406051-09	6020A	VANADIUM, TOTAL	0.0611		mg/l		0.001	0.00003	1
2-SW24-02	3-Jun-04	L0406051-09	6020A	ZINC, TOTAL	0 5068		mg/l		0 005	0.000298	1
2-SW24-02	3-Jun-04	L0406051-09	6010B	ALUMINUM, DISSOLVED	0.028	J	mg/l		0 1	0.019	1
2-SW24-02	3-Jun-04	L0406051-09	6020A	ANTIMONY, DISSOLVED	0 00008	U	mg/l		0 001	0 000022	1
2-SW24-02	3-Jun-04	L0406051-09	6020A	ARSENIC, DISSOLVED	0 0047		mg/l		0 001	0 000034	1
2-SW24-02	3-Jun-04	L0406051-09	6020A	BARIUM, DISSOLVED	0 0413		mg/l		0 001	0 000038	1
2-SW24-02	3-Jun-04	L0406051-09	6020A	BERYLLIUM, DISSOLVED		U	mg/l		0.001	0.000015	1
2-SW24-02	3-Jun-04	L0406051-09	6020A	CADMIUM, DISSOLVED		U	mg/l		0.0001	0.000034	1
2-SW24-02	3-Jun-04	L0406051-09	6010B	CALCIUM, DISSOLVED	5.7		mg/l		0 1	0.015	1
2-SW24-02	3-Jun-04	L0406051-09	6020A	CHROMIUM, DISSOLVED	0.00015	U	mg/l		0.001	0 000031	1
2-SW24-02	3-Jun-04	L0406051-09	6020A	COBALT, DISSOLVED	0 0029		mg/l		0.001	0.000017	1
2-SW24-02	3-Jun-04	L0406051-09	6020A	COPPER, DISSOLVED	0 0004	J	mg/l		0 001	0.000172	1
2-SW24-02	3-Jun-04	L0406051-09	6010B	IRON, DISSOLVED	8.3	J	mg/l		0.05	0 013	1
2-SW24-02	3-Jun-04	L0406051-09	6020A	LEAD, DISSOLVED		UJ	mg/l		0.0005	0.000028	1
2-SW24-02	3-Jun-04	L0406051-09	6010B	MAGNESIUM, DISSOLVED	3		mg/l		0 1	0 014	1
2-SW24-02	3-Jun-04	L0406051-09	6010B	MANGANESE, DISSOLVED	0.64		mg/l		0.01	0 0006	1
2-SW24-02	3-Jun-04	L0406051-09	7470A	MERCURY, DISSOLVED		UJ	mg/l		0 0002	0 000012	1
2-SW24-02	3-Jun-04	L0406051-09	6020A	MOLYBDENUM, DISSOLVED	0 00047	U	mg/l		0 001	0.00003	1
2-SW24-02	3-Jun-04	L0406051-09	6020A	NICKEL, DISSOLVED	0 0021		mg/l		0 001	0.000024	1
2-SW24-02	3-Jun-04	L0406051-09	6010B	POTASSIUM, DISSOLVED	3.7		mg/l		2 5	0.094	1
2-SW24-02	3-Jun-04	L0406051-09	6020A	SELENIUM, DISSOLVED	0 00077	J	mg/l		0.002	0.000298	1
2-SW24-02	3-Jun-04	L0406051-09	6020A	SILVER, DISSOLVED		U	mg/l		0.001	0.000025	1
2-SW24-02	3-Jun-04	L0406051-09	6010B	SODIUM, DISSOLVED	32		mg/l		4	0.63	2
2-SW24-02	3-Jun-04	L0406051-09	6020A	THALLIUM, DISSOLVED		U	mg/l		0.001	0 000026	1
2-SW24-02	3-Jun-04	L0406051-09	6020A	VANADIUM, DISSOLVED	0.00045	J	mg/l		0 001	0.00003	1
2-SW24-02	3-Jun-04	L0406051-09	6020A	ZINC, DISSOLVED	0.0093	J	mg/l		0 005	0.000298	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	1,2,4-TRICHLOROBENZENE		U	ug/l		5	1.3	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	HEXACHLOROBENZENE		U	ug/l		5	1 6	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	BIS(2-CHLOROETHYL)ETHER		U	ug/l		5	1 3	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	1,2-DICHLOROBENZENE		U	ug/l		5	1.1	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	1,3-DICHLOROBENZENE		U	ug/l		5	1	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	1,4-DICHLOROBENZENE		U	ug/l		5	0 96	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	3,3'-DICHLOROBENZIDINE		U	ug/l		50	2.6	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	2,4-DINITROTOLUENE		U	ug/l		6	0 48	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	2,6-DINITROTOLUENE		U	ug/l		5	0.96	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	4-CHLOROPHENYL PHENYL ETHER		U	ug/l		5	0.96	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-SW24-02	3-Jun-04	L0406051-09	8270C	4-BROMOPHENYL PHENYL ETHER		U	ug/l		5	0.99	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	ug/l		5	2.2	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	BIS(2-CHLOROETHOXY)METHANE		U	ug/l		5	1.6	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	HEXACHLOROBUTADIENE		U	ug/l		10	2 1	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	HEXACHLOROETHANE		U	ug/l		5	0.97	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	ISOPHORONE		U	ug/l		5	1 6	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	NITROBENZENE		U	ug/l		5	1 6	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	ug/l		15	4.2	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	N-NITROSODI-N-PROPYLAMINE		U	ug/l		5	1.6	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	BIS(2-ETHYLHEXYL)PHTHALATE		U	ug/l		10	1 6	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	BUTYL BENZYL PHTHALATE		U	ug/l		5	0.67	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	DI-N-BUTYLPHTHALATE		U	ug/l		5	0 5	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	DI-N-OCTYLPHTHALATE		U	ug/l		5	0 54	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	DIETHYL PHTHALATE		U	ug/l		5	1 6	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	DIMETHYL PHTHALATE		U	ug/l		5	1.6	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	4-CHLOROANILINE		U	ug/l		5	1 4	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	2-NITROANILINE		U	ug/l		5	1 1	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	3-NITROANILINE		U	ug/l		5	1 1	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	4-NITROANILINE		U	ug/l		7	1 3	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	DIBENZOFURAN		U	ug/l		5	0.92	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	2,4,6-TRICHLOROPHENOL		U	ug/l		5	1.2	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	P-CHLORO-M-CRESOL		U	ug/l		5	1 5	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	2-CHLOROPHENOL		U	ug/l		6	1.8	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	2,4-DICHLOROPHENOL		U	ug/l		10	2.1	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	2,4-DIMETHYLPHENOL		UJ	ug/l		10	3 1	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	2-NITROPHENOL		U	ug/l		20	2.3	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	4-NITROPHENOL		U	ug/l		10	1.6	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	2,4-DINITROPHENOL		U	ug/l		20	1	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	4,6-DINITRO-O-CRESOL		U	ug/l		20	1 4	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	PENTACHLOROPHENOL		U	ug/l		20	1.6	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	PHENOL		U	ug/l		7	1.2	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	2-METHYLPHENOL		U	ug/l		6	1 5	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	3-METHYLPHENOL/4-METHYLPHENOL		U	ug/l		6	1.6	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	2,4,5-TRICHLOROPHENOL		U	ug/l		5	0 96	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	BENZOIC ACID		U	ug/l		50	0 99	1
2-SW24-02	3-Jun-04	L0406051-09	8270C	CARBAZOLE		U	ug/l		5	1 6	1
2-SW24-02	3-Jun-04	L0406051-09	8270C-SIM	ACENAPHTHENE		U	ug/l		0.2	0.036	1
2-SW24-02	3-Jun-04	L0406051-09	8270C-SIM	2-CHLORONAPHTHALENE		U	ug/l		0 2	0 042	1
2-SW24-02	3-Jun-04	L0406051-09	8270C-SIM	FLUORANTHENE	0 26		ug/l		0.2	0.04	1
2-SW24-02	3-Jun-04	L0406051-09	8270C-SIM	NAPHTHALENE	0.19	J	ug/l		0 2	0.031	1
2-SW24-02	3-Jun-04	L0406051-09	8270C-SIM	BENZO(A)ANTHRACENE	0 12	J	ug/l		0 2	0.038	1
2-SW24-02	3-Jun-04	L0406051-09	8270C-SIM	BENZO(A)PYRENE	0 084	J	ug/l		0.2	0 04	1
2-SW24-02	3-Jun-04	L0406051-09	8270C-SIM	BENZO(B)FLUORANTHENE	0.1	J	ug/l		0 2	0 05	1
2-SW24-02	3-Jun-04	L0406051-09	8270C-SIM	BENZO(K)FLUORANTHENE	0.19	J	ug/l		0 2	0.036	1
2-SW24-02	3-Jun-04	L0406051-09	8270C-SIM	CHRYSENE	0.17	J	ug/l		0 2	0.024	1
2-SW24-02	3-Jun-04	L0406051-09	8270C-SIM	ACENAPHTHYLENE		U	ug/l		0 2	0 03	1
2-SW24-02	3-Jun-04	L0406051-09	8270C-SIM	ANTHRACENE		U	ug/l		0 2	0 049	1
2-SW24-02	3-Jun-04	L0406051-09	8270C-SIM	BENZO(GHI)PERYLENE		UJ	ug/l		0.25	0 025	1
2-SW24-02	3-Jun-04	L0406051-09	8270C-SIM	FLUORENE		U	ug/l		0.2	0 024	1
2-SW24-02	3-Jun-04	L0406051-09	8270C-SIM	PHENANTHRENE	0 095	J	ug/l		0.2	0 031	1
2-SW24-02	3-Jun-04	L0406051-09	8270C-SIM	DIBENZO(A,H)ANTHRACENE		U	ug/l		0.2	0 017	1
2-SW24-02	3-Jun-04	L0406051-09	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	ug/l		0 2	0.026	1
2-SW24-02	3-Jun-04	L0406051-09	8270C-SIM	PYRENE	0.24		ug/l		0.2	0.046	1
2-SW24-02	3-Jun-04	L0406051-09	8270C-SIM	2-METHYLNAPHTHALENE		U	ug/l		0.2	0.036	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-GW47DS-02	3-Jun-04	L0406051-10	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	ug/l		0 2	0 026	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C-SIM	PYRENE		U	ug/l		0 2	0 046	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C-SIM	2-METHYLNAPHTHALENE		U	ug/l		0 2	0 036	1
2-GW47DS-02	3-Jun-04	L0406051-10	2320B	ALKALINITY, TOTAL	240		mg CaCO3/L		2	0 4	1
2-GW47DS-02	3-Jun-04	L0406051-10	2540C	SOLIDS, TOTAL DISSOLVED	2500		mg/l		10	2.8	1
2-GW47DS-02	3-Jun-04	L0406051-10	2540D	SOLIDS, TOTAL SUSPENDED	110		mg/l		5		1
2-GW47DS-02	3-Jun-04	L0406051-10	9251	CHLORIDE	1300		mg/l		50	0 36	50
2-GW47DS-02	3-Jun-04	L0406051-10	9038	SULFATE		U	mg/l		10	1 4	1
2-GW47DS-02	3-Jun-04	L0406051-10	5220D	CHEMICAL OXYGEN DEMAND	130		mg/l		20	4 2	1
2-GW47DS-02	3-Jun-04	L0406051-10	9060	TOTAL ORGANIC CARBON	10		mg/l		5	0.43	10
2-GW47DS-02	3-Jun-04	L0406051-10	2340B	HARDNESS	300		mg/l		1.7		1
2-GW47DS-02	3-Jun-04	L0406051-10	6010B	ALUMINUM, TOTAL	0 19		mg/l		0.1	0.019	1
2-GW47DS-02	3-Jun-04	L0406051-10	6020A	ANTIMONY, TOTAL	0 0003	J	mg/l		0 001	0 000022	1
2-GW47DS-02	3-Jun-04	L0406051-10	6020A	ARSENIC, TOTAL	0 0347		mg/l		0 001	0.000034	1
2-GW47DS-02	3-Jun-04	L0406051-10	6020A	BARIUM, TOTAL	0 3572		mg/l		0.005	0.00019	5
2-GW47DS-02	3-Jun-04	L0406051-10	6020A	BERYLLIUM, TOTAL	0.00003	U	mg/l		0 001	0 000015	1
2-GW47DS-02	3-Jun-04	L0406051-10	6020A	CADMIUM, TOTAL		U	mg/l		0 0005	0.00017	5
2-GW47DS-02	3-Jun-04	L0406051-10	6010B	CALCIUM, TOTAL	36		mg/l		0 1	0 015	1
2-GW47DS-02	3-Jun-04	L0406051-10	6020A	CHROMIUM, TOTAL	0 0023		mg/l		0 001	0 000031	1
2-GW47DS-02	3-Jun-04	L0406051-10	6020A	COBALT, TOTAL	0 0061		mg/l		0 001	0.000017	1
2-GW47DS-02	3-Jun-04	L0406051-10	6020A	COPPER, TOTAL	0 0012		mg/l		0.001	0 000172	1
2-GW47DS-02	3-Jun-04	L0406051-10	6010B	IRON, TOTAL	91	J	mg/l		0 05	0 013	1
2-GW47DS-02	3-Jun-04	L0406051-10	6020A	LEAD, TOTAL	0.00028	J	mg/l		0 0005	0 000028	1
2-GW47DS-02	3-Jun-04	L0406051-10	6010B	MAGNESIUM, TOTAL	51		mg/l		0.1	0.014	1
2-GW47DS-02	3-Jun-04	L0406051-10	6010B	MANGANESE, TOTAL	3 3		mg/l		0.01	0.0006	1
2-GW47DS-02	3-Jun-04	L0406051-10	7470A	MERCURY, TOTAL		UJ	mg/l		0.0002	0.000012	1
2-GW47DS-02	3-Jun-04	L0406051-10	6020A	MOLYBDENUM, TOTAL	0 0035		mg/l		0 001	0 00003	1
2-GW47DS-02	3-Jun-04	L0406051-10	6020A	NICKEL, TOTAL	0 0026		mg/l		0.001	0 000024	1
2-GW47DS-02	3-Jun-04	L0406051-10	6010B	POTASSIUM, TOTAL	77		mg/l		2.5	0.094	1
2-GW47DS-02	3-Jun-04	L0406051-10	6020A	SELENIUM, TOTAL	0 003	U	mg/l		0.002	0 000298	1
2-GW47DS-02	3-Jun-04	L0406051-10	6020A	SILVER, TOTAL		U	mg/l		0 001	0 000025	1
2-GW47DS-02	3-Jun-04	L0406051-10	6010B	SODIUM, TOTAL	730		mg/l		200	31	100
2-GW47DS-02	3-Jun-04	L0406051-10	6020A	THALLIUM, TOTAL		U	mg/l		0 001	0.000026	1
2-GW47DS-02	3-Jun-04	L0406051-10	6020A	VANADIUM, TOTAL	0 0013		mg/l		0.001	0 00003	1
2-GW47DS-02	3-Jun-04	L0406051-10	6020A	ZINC, TOTAL	0 00377	J	mg/l		0.005	0 000298	1
2-GW47DS-02	3-Jun-04	L0406051-10	6010B	ALUMINUM, DISSOLVED	0 024	J	mg/l		0.1	0.019	1
2-GW47DS-02	3-Jun-04	L0406051-10	6020A	ANTIMONY, DISSOLVED	0 0003	U	mg/l		0 001	0 000022	1
2-GW47DS-02	3-Jun-04	L0406051-10	6020A	ARSENIC, DISSOLVED	0 0345		mg/l		0.001	0.000034	1
2-GW47DS-02	3-Jun-04	L0406051-10	6020A	BARIUM, DISSOLVED	0 3606		mg/l		0 005	0.00019	5
2-GW47DS-02	3-Jun-04	L0406051-10	6020A	BERYLLIUM, DISSOLVED	0.00002	U	mg/l		0.001	0.000015	1
2-GW47DS-02	3-Jun-04	L0406051-10	6020A	CADMIUM, DISSOLVED		U	mg/l		0 0001	0 000034	1
2-GW47DS-02	3-Jun-04	L0406051-10	6010B	CALCIUM, DISSOLVED	37		mg/l		0 1	0 015	1
2-GW47DS-02	3-Jun-04	L0406051-10	6020A	CHROMIUM, DISSOLVED	0.00082	J	mg/l		0 001	0.000031	1
2-GW47DS-02	3-Jun-04	L0406051-10	6020A	COBALT, DISSOLVED	0.0061		mg/l		0 001	0 000017	1
2-GW47DS-02	3-Jun-04	L0406051-10	6020A	COPPER, DISSOLVED		U	mg/l		0 001	0.000172	1
2-GW47DS-02	3-Jun-04	L0406051-10	6010B	IRON, DISSOLVED	93	J	mg/l		0 05	0.013	1
2-GW47DS-02	3-Jun-04	L0406051-10	6020A	LEAD, DISSOLVED	0.00005	U	mg/l		0 0005	0.000028	1
2-GW47DS-02	3-Jun-04	L0406051-10	6010B	MAGNESIUM, DISSOLVED	52		mg/l		0 1	0.014	1
2-GW47DS-02	3-Jun-04	L0406051-10	6010B	MANGANESE, DISSOLVED	3.4		mg/l		0 01	0 0006	1
2-GW47DS-02	3-Jun-04	L0406051-10	7470A	MERCURY, DISSOLVED	1 41E-05	J	mg/l		0.0002	0.000012	1
2-GW47DS-02	3-Jun-04	L0406051-10	6020A	MOLYBDENUM, DISSOLVED	0 0037		mg/l		0 001	0.00003	1
2-GW47DS-02	3-Jun-04	L0406051-10	6020A	NICKEL, DISSOLVED	0.0018		mg/l		0 001	0 000024	1
2-GW47DS-02	3-Jun-04	L0406051-10	6010B	POTASSIUM, DISSOLVED	78		mg/l		2.5	0 094	1
2-GW47DS-02	3-Jun-04	L0406051-10	6020A	SELENIUM, DISSOLVED	0.003		mg/l		0 002	0 000298	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-GW47DS-02	3-Jun-04	L0406051-10	6020A	SILVER, DISSOLVED		U	mg/l		0 001	0 000025	1
2-GW47DS-02	3-Jun-04	L0406051-10	6010B	SODIUM, DISSOLVED	760		mg/l		200	31	100
2-GW47DS-02	3-Jun-04	L0406051-10	6020A	THALLIUM, DISSOLVED		U	mg/l		0 001	0 000026	1
2-GW47DS-02	3-Jun-04	L0406051-10	6020A	VANADIUM, DISSOLVED	0 00097	J	mg/l		0 001	0.00003	1
2-GW47DS-02	3-Jun-04	L0406051-10	6020A	ZINC, DISSOLVED	0.00487	J	mg/l		0 005	0.000298	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	1,2,4-TRICHLOROBENZENE		U	ug/l		5	1.3	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	HEXACHLOROBENZENE		U	ug/l		5	1 6	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	BIS(2-CHLOROETHYL)ETHER		U	ug/l		5	1 3	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	1,2-DICHLOROBENZENE		U	ug/l		5	1 1	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	1,3-DICHLOROBENZENE		U	ug/l		5	1	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	1,4-DICHLOROBENZENE		U	ug/l		5	0.96	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	3,3'-DICHLOROBENZIDINE		U	ug/l		50	2 6	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	2,4-DINITROTOLUENE		U	ug/l		6	0 48	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	2,6-DINITROTOLUENE		U	ug/l		5	0.96	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	4-CHLOROPHENYL PHENYL ETHER		U	ug/l		5	0.96	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	4-BROMOPHENYL PHENYL ETHER		U	ug/l		5	0 99	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	ug/l		5	2 2	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	BIS(2-CHLOROETHOXY)METHANE		U	ug/l		5	1 6	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	HEXACHLOROBUTADIENE		U	ug/l		10	2.1	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	HEXACHLOROETHANE		U	ug/l		5	0 97	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	ISOPHORONE		U	ug/l		5	1.6	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	NITROBENZENE		U	ug/l		5	1.6	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	ug/l		15	4.2	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	N-NITROSODI-N-PROPYLAMINE		U	ug/l		5	1 6	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	BIS(2-ETHYLHEXYL)PHTHALATE		U	ug/l		10	1.6	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	BUTYL BENZYL PHTHALATE		U	ug/l		5	0 67	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	DI-N-BUTYLPHTHALATE		U	ug/l		5	0.5	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	DI-N-OCTYLPHTHALATE		U	ug/l		5	0 54	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	DIETHYL PHTHALATE		U	ug/l		5	1.6	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	DIMETHYL PHTHALATE		U	ug/l		5	1.6	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	4-CHLOROANILINE		U	ug/l		5	1 4	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	2-NITROANILINE		U	ug/l		5	1.1	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	3-NITROANILINE		U	ug/l		5	1 1	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	4-NITROANILINE		U	ug/l		7	1 3	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	DIBENZOFURAN		U	ug/l		5	0 92	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	2,4,6-TRICHLOROPHENOL		U	ug/l		5	1 2	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	P-CHLORO-M-CRESOL		U	ug/l		5	1.5	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	2-CHLOROPHENOL		U	ug/l		6	1.8	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	2,4-DICHLOROPHENOL		U	ug/l		10	2.1	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	2,4-DIMETHYLPHENOL		UJ	ug/l		10	3 1	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	2-NITROPHENOL		U	ug/l		20	2 3	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	4-NITROPHENOL		U	ug/l		10	1 6	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	2,4-DINITROPHENOL		U	ug/l		20	1	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	4,6-DINITRO-O-CRESOL		U	ug/l		20	1.4	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	PENTACHLOROPHENOL		U	ug/l		20	1.6	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	PHENOL		U	ug/l		7	1.2	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	2-METHYLPHENOL		U	ug/l		6	1.5	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	3-METHYLPHENOL/4-METHYLPHENOL		U	ug/l		6	1 6	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	2,4,5-TRICHLOROPHENOL		U	ug/l		5	0 96	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	BENZOIC ACID		U	ug/l		50	0 99	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C	CARBAZOLE		U	ug/l		5	1 6	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C-SIM	ACENAPHTHENE		U	ug/l		0 2	0 036	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C-SIM	2-CHLORONAPHTHALENE		U	ug/l		0 2	0 042	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C-SIM	FLUORANTHENE		U	ug/l		0.2	0.04	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-GW47DS-02	3-Jun-04	L0406051-10	8270C-SIM	NAPHTHALENE		U	ug/l		0.2	0.031	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C-SIM	BENZO(A)ANTHRACENE		UJ	ug/l		0.2	0 038	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C-SIM	BENZO(A)PYRENE		U	ug/l		0.2	0 04	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C-SIM	BENZO(B)FLUORANTHENE		U	ug/l		0.2	0 05	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	ug/l		0.2	0 036	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C-SIM	CHRYSENE		U	ug/l		0.2	0.024	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C-SIM	ACENAPHTHYLENE		U	ug/l		0 2	0.03	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C-SIM	ANTHRACENE		U	ug/l		0 2	0.049	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C-SIM	BENZO(GHI)PERYLENE		UJ	ug/l		0 25	0.025	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C-SIM	FLUORENE		U	ug/l		0.2	0 024	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C-SIM	PHENANTHRENE		U	ug/l		0.2	0.031	1
2-GW47DS-02	3-Jun-04	L0406051-10	8270C-SIM	DIBENZO(A,H)ANTHRACENE		U	ug/l		0.2	0.017	1
2-GW21S-02	3-Jun-04	L0406051-11	2320B	ALKALINITY, TOTAL	1800		mg CaCO3/L		5	1	2 5
2-GW21S-02	3-Jun-04	L0406051-11	2540C	SOLIDS, TOTAL DISSOLVED	19000		mg/l		10	2 8	1
2-GW21S-02	3-Jun-04	L0406051-11	2540D	SOLIDS, TOTAL SUSPENDED	22		mg/l		5		1
2-GW21S-02	3-Jun-04	L0406051-11	9251	CHLORIDE	11000		mg/l		200	0.36	200
2-GW21S-02	3-Jun-04	L0406051-11	9038	SULFATE		U	mg/l		10	1 4	1
2-GW21S-02	3-Jun-04	L0406051-11	5220D	CHEMICAL OXYGEN DEMAND	1100		mg/l		20	4 2	1
2-GW21S-02	3-Jun-04	L0406051-11	9060	TOTAL ORGANIC CARBON	39		mg/l		20	1 7	40
2-GW21S-02	3-Jun-04	L0406051-11	2340B	HARDNESS	3600		mg/l		17		10
2-GW21S-02	3-Jun-04	L0406051-11	6010B	ALUMINUM, TOTAL	0 064	J	mg/l		0 1	0.019	1
2-GW21S-02	3-Jun-04	L0406051-11	6020A	ANTIMONY, TOTAL	0 00036	J	mg/l		0 001	0.000022	1
2-GW21S-02	3-Jun-04	L0406051-11	6020A	ARSENIC, TOTAL	0 0033		mg/l		0.001	0.000034	1
2-GW21S-02	3-Jun-04	L0406051-11	6020A	BARIUM, TOTAL	0.1159		mg/l		0 001	0.000038	1
2-GW21S-02	3-Jun-04	L0406051-11	6020A	BERYLLIUM, TOTAL	0 00005	U	mg/l		0 001	0.000015	1
2-GW21S-02	3-Jun-04	L0406051-11	6020A	CADMIUM, TOTAL		U	mg/l		0 002	0 00068	20
2-GW21S-02	3-Jun-04	L0406051-11	6010B	CALCIUM, TOTAL	240		mg/l		1	0 15	10
2-GW21S-02	3-Jun-04	L0406051-11	6020A	CHROMIUM, TOTAL	0 0068		mg/l		0 001	0.000031	1
2-GW21S-02	3-Jun-04	L0406051-11	6020A	COBALT, TOTAL	0.0012		mg/l		0.001	0 000017	1
2-GW21S-02	3-Jun-04	L0406051-11	6020A	COPPER, TOTAL	0.0083		mg/l		0 001	0 000172	1
2-GW21S-02	3-Jun-04	L0406051-11	6010B	IRON, TOTAL	8 4	J	mg/l		0.05	0.013	1
2-GW21S-02	3-Jun-04	L0406051-11	6020A	LEAD, TOTAL	0 001		mg/l		0 0005	0.000028	1
2-GW21S-02	3-Jun-04	L0406051-11	6010B	MAGNESIUM, TOTAL	740		mg/l		1	0 14	10
2-GW21S-02	3-Jun-04	L0406051-11	6010B	MANGANESE, TOTAL	0.18		mg/l		0 01	0.0006	1
2-GW21S-02	3-Jun-04	L0406051-11	7470A	MERCURY, TOTAL		UJ	mg/l		0.0002	0 000012	1
2-GW21S-02	3-Jun-04	L0406051-11	6020A	MOLYBDENUM, TOTAL	0.00038	U	mg/l		0.001	0 00003	1
2-GW21S-02	3-Jun-04	L0406051-11	6020A	NICKEL, TOTAL	0 0034		mg/l		0.001	0 000024	1
2-GW21S-02	3-Jun-04	L0406051-11	6010B	POTASSIUM, TOTAL	360		mg/l		25	0.94	10
2-GW21S-02	3-Jun-04	L0406051-11	6020A	SELENIUM, TOTAL	0.021		mg/l		0.002	0 000298	1
2-GW21S-02	3-Jun-04	L0406051-11	6020A	SILVER, TOTAL	0 00003	U	mg/l		0 001	0 000025	1
2-GW21S-02	3-Jun-04	L0406051-11	6010B	SODIUM, TOTAL	5500		mg/l		1000	160	500
2-GW21S-02	3-Jun-04	L0406051-11	6020A	THALLIUM, TOTAL		U	mg/l		0 001	0 000026	1
2-GW21S-02	3-Jun-04	L0406051-11	6020A	VANADIUM, TOTAL	0 0065		mg/l		0 001	0 00003	1
2-GW21S-02	3-Jun-04	L0406051-11	6020A	ZINC, TOTAL	0.0605		mg/l		0.005	0.000298	1
2-GW21S-02	3-Jun-04	L0406051-11	6010B	ALUMINUM, DISSOLVED		U	mg/l		0 1	0.019	1
2-GW21S-02	3-Jun-04	L0406051-11	6020A	ANTIMONY, DISSOLVED	0 00035	J	mg/l		0 001	0 000022	1
2-GW21S-02	3-Jun-04	L0406051-11	6020A	ARSENIC, DISSOLVED	0 0067		mg/l		0 001	0 000034	1
2-GW21S-02	3-Jun-04	L0406051-11	6020A	BARIUM, DISSOLVED	0 1239		mg/l		0.001	0 000038	1
2-GW21S-02	3-Jun-04	L0406051-11	6020A	BERYLLIUM, DISSOLVED	0 00004	U	mg/l		0 001	0.000015	1
2-GW21S-02	3-Jun-04	L0406051-11	6020A	CADMIUM, DISSOLVED		U	mg/l		0.0001	0 000034	1
2-GW21S-02	3-Jun-04	L0406051-11	6020A	COBALT, DISSOLVED	0.00091	J	mg/l		0.001	0 000017	1
2-GW21S-02	3-Jun-04	L0406051-11	6020A	COPPER, DISSOLVED	0 00097	J	mg/l		0 001	0 000172	1
2-GW21S-02	3-Jun-04	L0406051-11	6010B	IRON, DISSOLVED	0 75	J	mg/l		0.05	0.013	1
2-GW21S-02	3-Jun-04	L0406051-11	6020A	LEAD, DISSOLVED	0.00008	U	mg/l		0.0005	0 000028	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-GW21S-02	3-Jun-04	L0406051-11	6010B	MAGNESIUM, DISSOLVED	740		mg/l		1	0.14	10
2-GW21S-02	3-Jun-04	L0406051-11	6010B	MANGANESE, DISSOLVED	0 21		mg/l		0 01	0.0006	1
2-GW21S-02	3-Jun-04	L0406051-11	7470A	MERCURY, DISSOLVED		UJ	mg/l		0 0002	0 000012	1
2-GW21S-02	3-Jun-04	L0406051-11	6020A	MOLYBDENUM, DISSOLVED	0 00034	U	mg/l		0 001	0.00003	1
2-GW21S-02	3-Jun-04	L0406051-11	6020A	NICKEL, DISSOLVED	0 0019		mg/l		0 001	0.000024	1
2-GW21S-02	3-Jun-04	L0406051-11	6010B	POTASSIUM, DISSOLVED	360		mg/l		25	0.94	10
2-GW21S-02	3-Jun-04	L0406051-11	6020A	SELENIUM, DISSOLVED	0.024		mg/l		0.002	0.000298	1
2-GW21S-02	3-Jun-04	L0406051-11	6020A	SILVER, DISSOLVED	0 00004	U	mg/l		0 001	0 000025	1
2-GW21S-02	3-Jun-04	L0406051-11	6010B	SODIUM, DISSOLVED	5400		mg/l		1000	160	500
2-GW21S-02	3-Jun-04	L0406051-11	6020A	THALLIUM, DISSOLVED		U	mg/l		0 001	0.000026	1
2-GW21S-02	3-Jun-04	L0406051-11	6020A	VANADIUM, DISSOLVED	0 0066		mg/l		0 001	0.00003	1
2-GW21S-02	3-Jun-04	L0406051-11	6020A	ZINC, DISSOLVED	0 00344	J	mg/l		0 005	0 000298	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	1,2,4-TRICHLOROBENZENE		U	ug/l		5	1.3	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	HEXACHLOROBENZENE		U	ug/l		5	1 6	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	BIS(2-CHLOROETHYL)ETHER		U	ug/l		5	1 3	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	1,2-DICHLOROBENZENE		U	ug/l		5	1 1	1
2-GW21S-02	3-Jun-04	L0406051-11	6010B	CALCIUM, DISSOLVED	240		mg/l		1	0 15	10
2-GW21S-02	3-Jun-04	L0406051-11	6020A	CHROMIUM, DISSOLVED	0 0065		mg/l		0 001	0.000031	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	1,3-DICHLOROBENZENE		U	ug/l		5	1	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	1,4-DICHLOROBENZENE		U	ug/l		5	0 96	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	3,3'-DICHLOROBENZIDINE		U	ug/l		50	2 6	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	2,4-DINITROTOLUENE		U	ug/l		6	0 48	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	2,6-DINITROTOLUENE		U	ug/l		5	0 96	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	4-CHLOROPHENYL PHENYL ETHER		U	ug/l		5	0.96	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	4-BROMOPHENYL PHENYL ETHER		U	ug/l		5	0.99	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	ug/l		5	2 2	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	BIS(2-CHLOROETHOXY)METHANE		U	ug/l		5	1 6	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	HEXACHLOROBUTADIENE		U	ug/l		10	2 1	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	HEXACHLOROETHANE		U	ug/l		5	0.97	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	ISOPHORONE		U	ug/l		5	1.6	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	NITROBENZENE		U	ug/l		5	1.6	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	ug/l		15	4 2	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	N-NITROSODI-N-PROPYLAMINE		U	ug/l		5	1 6	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	BIS(2-ETHYLHEXYL)PHTHALATE		U	ug/l		10	1 6	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	BUTYL BENZYL PHTHALATE		U	ug/l		5	0 67	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	DI-N-BUTYLPHTHALATE		U	ug/l		5	0 5	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	DI-N-OCTYLPHTHALATE		U	ug/l		5	0 54	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	DIETHYL PHTHALATE		U	ug/l		5	1 6	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	DIMETHYL PHTHALATE		U	ug/l		5	1 6	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	4-CHLOROANILINE		U	ug/l		5	1 4	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	2-NITROANILINE		U	ug/l		5	1.1	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	3-NITROANILINE		U	ug/l		5	1 1	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	4-NITROANILINE		U	ug/l		7	1 3	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	DIBENZOFURAN		U	ug/l		5	0 92	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	2,4,6-TRICHLOROPHENOL		U	ug/l		5	1.2	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	P-CHLORO-M-CRESOL		U	ug/l		5	1 5	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	2-CHLOROPHENOL		U	ug/l		6	1.8	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	2,4-DICHLOROPHENOL		U	ug/l		10	2 1	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	2,4-DIMETHYLPHENOL		UJ	ug/l		10	3 1	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	2-NITROPHENOL		U	ug/l		20	2 3	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	4-NITROPHENOL		U	ug/l		10	1 6	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	2,4-DINITROPHENOL		U	ug/l		20	1	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	4,6-DINITRO-O-CRESOL		U	ug/l		20	1.4	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	PENTACHLOROPHENOL		U	ug/l		20	1.6	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-GW21S-02	3-Jun-04	L0406051-11	8270C	PHENOL		U	ug/l		7	1 2	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	2-METHYLPHENOL		U	ug/l		6	1.5	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	3-METHYLPHENOL/4-METHYLPHENOL		U	ug/l		6	1 6	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	2,4,5-TRICHLOROPHENOL		U	ug/l		5	0.96	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	BENZOIC ACID		U	ug/l		50	0 99	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C	CARBAZOLE		U	ug/l		5	1 6	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C-SIM	ACENAPHTHENE		U	ug/l		0 2	0 036	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C-SIM	2-CHLORONAPHTHALENE		U	ug/l		0.2	0 042	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C-SIM	FLUORANTHENE		U	ug/l		0.2	0.04	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C-SIM	NAPHTHALENE		U	ug/l		0.2	0 031	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C-SIM	BENZO(A)ANTHRACENE		UJ	ug/l		0.2	0 038	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C-SIM	BENZO(A)PYRENE		U	ug/l		0.2	0.04	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C-SIM	BENZO(B)FLUORANTHENE		U	ug/l		0.2	0.05	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	ug/l		0.2	0.036	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C-SIM	CHRYSENE		U	ug/l		0.2	0.024	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C-SIM	ACENAPHTHYLENE		U	ug/l		0.2	0 03	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C-SIM	ANTHRACENE		U	ug/l		0 2	0 049	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C-SIM	BENZO(GHI)PERYLENE		UJ	ug/l		0 25	0 025	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C-SIM	FLUORENE		U	ug/l		0.2	0 024	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C-SIM	PHENANTHRENE		U	ug/l		0.2	0 031	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C-SIM	DIBENZO(A,H)ANTHRACENE		U	ug/l		0.2	0.017	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	ug/l		0.2	0.026	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C-SIM	PYRENE		U	ug/l		0 2	0.046	1
2-GW21S-02	3-Jun-04	L0406051-11	8270C-SIM	2-METHYLNAPHTHALENE		U	ug/l		0 2	0 036	1
60304	3-Jun-04	L0406051-12	2320B	ALKALINITY, TOTAL	240		mg CaCO3/L		2	0.4	1
60304	3-Jun-04	L0406051-12	2540C	SOLIDS, TOTAL DISSOLVED	2300		mg/l		10	2.8	1
60304	3-Jun-04	L0406051-12	2540D	SOLIDS, TOTAL SUSPENDED	110		mg/l		5		1
60304	3-Jun-04	L0406051-12	9251	CHLORIDE	1300		mg/l		50	0 36	50
60304	3-Jun-04	L0406051-12	9038	SULFATE		U	mg/l		10	1.4	1
60304	3-Jun-04	L0406051-12	5220D	CHEMICAL OXYGEN DEMAND	90		mg/l		20	4.2	1
60304	3-Jun-04	L0406051-12	9060	TOTAL ORGANIC CARBON	11		mg/l		5	0.43	10
60304	3-Jun-04	L0406051-12	2340B	HARDNESS	290		mg/l		1.7		1
60304	3-Jun-04	L0406051-12	6010B	ALUMINUM, TOTAL	0.18		mg/l		0 1	0.019	1
60304	3-Jun-04	L0406051-12	6020A	ANTIMONY, TOTAL	ND	UJ	mg/l		0.001	0 000022	1
60304	3-Jun-04	L0406051-12	6020A	ARSENIC, TOTAL	0.0352		mg/l		0 001	0.000034	1
60304	3-Jun-04	L0406051-12	6020A	BARIUM, TOTAL	0 3412		mg/l		0.005	0.00019	5
60304	3-Jun-04	L0406051-12	6020A	BERYLLIUM, TOTAL	0 00004	U	mg/l		0.001	0 000015	1
60304	3-Jun-04	L0406051-12	6020A	CADMIUM, TOTAL		U	mg/l		0 0005	0.00017	5
60304	3-Jun-04	L0406051-12	6010B	CALCIUM, TOTAL	36		mg/l		0.1	0 015	1
60304	3-Jun-04	L0406051-12	6020A	CHROMIUM, TOTAL	0.0027		mg/l		0.001	0 000031	1
60304	3-Jun-04	L0406051-12	6020A	COBALT, TOTAL	0.0059		mg/l		0 001	0.000017	1
60304	3-Jun-04	L0406051-12	6020A	COPPER, TOTAL	0.0013		mg/l		0 001	0 000172	1
60304	3-Jun-04	L0406051-12	6010B	IRON, TOTAL	89	J	mg/l		0 05	0.013	1
60304	3-Jun-04	L0406051-12	6020A	LEAD, TOTAL	0 0009	J	mg/l		0 0005	0.000028	1
60304	3-Jun-04	L0406051-12	6010B	MAGNESIUM, TOTAL	50		mg/l		0.1	0 014	1
60304	3-Jun-04	L0406051-12	6020A	MOLYBDENUM, TOTAL	0 0034		mg/l		0 001	0.00003	1
60304	3-Jun-04	L0406051-12	6020A	NICKEL, TOTAL	0.0029		mg/l		0 001	0 000024	1
60304	3-Jun-04	L0406051-12	6010B	POTASSIUM, TOTAL	75		mg/l		2 5	0.094	1
60304	3-Jun-04	L0406051-12	6020A	SELENIUM, TOTAL	ND	U	mg/l		0 002	0.000298	1
60304	3-Jun-04	L0406051-12	6020A	SILVER, TOTAL		U	mg/l		0.001	0.000025	1
60304	3-Jun-04	L0406051-12	6010B	SODIUM, TOTAL	760		mg/l		200	31	100
60304	3-Jun-04	L0406051-12	6020A	THALLIUM, TOTAL		U	mg/l		0 001	0.000026	1
60304	3-Jun-04	L0406051-12	6020A	VANADIUM, TOTAL	0.0013		mg/l		0 001	0 00003	1
60304	3-Jun-04	L0406051-12	6020A	ZINC, TOTAL	0 0431	J	mg/l		0 005	0.000298	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
60304	3-Jun-04	L0406051-12	6010B	ALUMINUM, DISSOLVED	0 023	J	mg/l		0 1	0.019	1
60304	3-Jun-04	L0406051-12	6020A	ANTIMONY, DISSOLVED	0 00029	U	mg/l		0 001	0.000022	1
60304	3-Jun-04	L0406051-12	6020A	ARSENIC, DISSOLVED	0 0326		mg/l		0 001	0.000034	1
60304	3-Jun-04	L0406051-12	6020A	BARIUM, DISSOLVED	0 3388		mg/l		0 005	0.00019	5
60304	3-Jun-04	L0406051-12	6020A	BERYLLIUM, DISSOLVED	0 00002	U	mg/l		0 001	0 000015	1
60304	3-Jun-04	L0406051-12	6020A	CADMIUM, DISSOLVED		U	mg/l		0 0001	0.000034	1
60304	3-Jun-04	L0406051-12	6010B	CALCIUM, DISSOLVED	35		mg/l		0 1	0 015	1
60304	3-Jun-04	L0406051-12	6020A	CHROMIUM, DISSOLVED	0.00078	J	mg/l		0 001	0.000031	1
60304	3-Jun-04	L0406051-12	6020A	COBALT, DISSOLVED	0 0057		mg/l		0 001	0.000017	1
60304	3-Jun-04	L0406051-12	6020A	COPPER, DISSOLVED		U	mg/l		0.001	0.000172	1
60304	3-Jun-04	L0406051-12	6010B	IRON, DISSOLVED	86	J	mg/l		0.05	0 013	1
60304	3-Jun-04	L0406051-12	6010B	MANGANESE, TOTAL	3 2		mg/l		0 01	0 0006	1
60304	3-Jun-04	L0406051-12	7470A	MERCURY, TOTAL		UJ	mg/l		0 0002	0.000012	1
60304	3-Jun-04	L0406051-12	6020A	LEAD, DISSOLVED		UJ	mg/l		0 0005	0 000028	1
60304	3-Jun-04	L0406051-12	6010B	MAGNESIUM, DISSOLVED	49		mg/l		0 1	0.014	1
60304	3-Jun-04	L0406051-12	6010B	MANGANESE, DISSOLVED	3.1		mg/l		0 01	0 0006	1
60304	3-Jun-04	L0406051-12	7470A	MERCURY, DISSOLVED		UJ	mg/l		0.0002	0 000012	1
60304	3-Jun-04	L0406051-12	6020A	MOLYBDENUM, DISSOLVED	0 0034		mg/l		0 001	0 00003	1
60304	3-Jun-04	L0406051-12	6020A	NICKEL, DISSOLVED	0 0014		mg/l		0 001	0 000024	1
60304	3-Jun-04	L0406051-12	6010B	POTASSIUM, DISSOLVED	73		mg/l		2 5	0 094	1
60304	3-Jun-04	L0406051-12	6020A	SELENIUM, DISSOLVED	0 003		mg/l		0 002	0.000298	1
60304	3-Jun-04	L0406051-12	6020A	SILVER, DISSOLVED		U	mg/l		0 001	0 000025	1
60304	3-Jun-04	L0406051-12	6010B	SODIUM, DISSOLVED	710		mg/l		200	31	100
60304	3-Jun-04	L0406051-12	6020A	THALLIUM, DISSOLVED		U	mg/l		0.001	0.000026	1
60304	3-Jun-04	L0406051-12	6020A	VANADIUM, DISSOLVED	0.00091	J	mg/l		0 001	0.00003	1
60304	3-Jun-04	L0406051-12	6020A	ZINC, DISSOLVED	0 00141	J	mg/l		0.005	0 000298	1
60304	3-Jun-04	L0406051-12	8270C	1,2,4-TRICHLOROBENZENE		U	ug/l		5	1.3	1
60304	3-Jun-04	L0406051-12	8270C	HEXACHLOROBENZENE		U	ug/l		5	1.6	1
60304	3-Jun-04	L0406051-12	8270C	BIS(2-CHLOROETHYL)ETHER		U	ug/l		5	1.3	1
60304	3-Jun-04	L0406051-12	8270C	1,2-DICHLOROBENZENE		U	ug/l		5	1.1	1
60304	3-Jun-04	L0406051-12	8270C	1,3-DICHLOROBENZENE		U	ug/l		5	1	1
60304	3-Jun-04	L0406051-12	8270C	1,4-DICHLOROBENZENE		U	ug/l		5	0 96	1
60304	3-Jun-04	L0406051-12	8270C	3,3'-DICHLOROBENZIDINE		U	ug/l		50	2 6	1
60304	3-Jun-04	L0406051-12	8270C	2,4-DINITROTOLUENE		U	ug/l		6	0.48	1
60304	3-Jun-04	L0406051-12	8270C	2,6-DINITROTOLUENE		U	ug/l		5	0.96	1
60304	3-Jun-04	L0406051-12	8270C	4-CHLOROPHENYL PHENYL ETHER		U	ug/l		5	0.96	1
60304	3-Jun-04	L0406051-12	8270C	4-BROMOPHENYL PHENYL ETHER		U	ug/l		5	0 99	1
60304	3-Jun-04	L0406051-12	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	ug/l		5	2.2	1
60304	3-Jun-04	L0406051-12	8270C	BIS(2-CHLOROETHOXY)METHANE		U	ug/l		5	1.6	1
60304	3-Jun-04	L0406051-12	8270C	HEXACHLOROBUTADIENE		U	ug/l		10	2.1	1
60304	3-Jun-04	L0406051-12	8270C	HEXACHLOROETHANE		U	ug/l		5	0.97	1
60304	3-Jun-04	L0406051-12	8270C	ISOPHORONE		U	ug/l		5	1 6	1
60304	3-Jun-04	L0406051-12	8270C	NITROBENZENE		U	ug/l		5	1 6	1
60304	3-Jun-04	L0406051-12	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	ug/l		15	4.2	1
60304	3-Jun-04	L0406051-12	8270C	N-NITROSODI-N-PROPYLAMINE		U	ug/l		5	1.6	1
60304	3-Jun-04	L0406051-12	8270C	BIS(2-ETHYLHEXYL)PHTHALATE		U	ug/l		10	1.6	1
60304	3-Jun-04	L0406051-12	8270C	BUTYL BENZYL PHTHALATE		U	ug/l		5	0 67	1
60304	3-Jun-04	L0406051-12	8270C	DI-N-BUTYLPHTHALATE		U	ug/l		5	0 5	1
60304	3-Jun-04	L0406051-12	8270C	DI-N-OCTYLPHTHALATE		U	ug/l		5	0.54	1
60304	3-Jun-04	L0406051-12	8270C	DIETHYL PHTHALATE		U	ug/l		5	1.6	1
60304	3-Jun-04	L0406051-12	8270C	DIMETHYL PHTHALATE		U	ug/l		5	1.6	1
60304	3-Jun-04	L0406051-12	8270C	4-CHLOROANILINE		U	ug/l		5	1 4	1
60304	3-Jun-04	L0406051-12	8270C	2-NITROANILINE		U	ug/l		5	1 1	1
60304	3-Jun-04	L0406051-12	8270C	3-NITROANILINE		U	ug/l		5	1 1	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
60304	3-Jun-04	L0406051-12	8270C	4-NITROANILINE		U	ug/l		7	1.3	1
60304	3-Jun-04	L0406051-12	8270C	DIBENZOFURAN		U	ug/l		5	0.92	1
60304	3-Jun-04	L0406051-12	8270C	2,4,6-TRICHLOROPHENOL		U	ug/l		5	1.2	1
60304	3-Jun-04	L0406051-12	8270C	P-CHLORO-M-CRESOL		U	ug/l		5	1 5	1
60304	3-Jun-04	L0406051-12	8270C	2-CHLOROPHENOL		U	ug/l		6	1 8	1
60304	3-Jun-04	L0406051-12	8270C	2,4-DICHLOROPHENOL		U	ug/l		10	2.1	1
60304	3-Jun-04	L0406051-12	8270C	2,4-DIMETHYLPHENOL		UJ	ug/l		10	3.1	1
60304	3-Jun-04	L0406051-12	8270C	2-NITROPHENOL		U	ug/l		20	2 3	1
60304	3-Jun-04	L0406051-12	8270C	4-NITROPHENOL		U	ug/l		10	1.6	1
60304	3-Jun-04	L0406051-12	8270C	2,4-DINITROPHENOL		U	ug/l		20	1	1
60304	3-Jun-04	L0406051-12	8270C	4,6-DINITRO-O-CRESOL		U	ug/l		20	1.4	1
60304	3-Jun-04	L0406051-12	8270C	PENTACHLOROPHENOL		U	ug/l		20	1.6	1
60304	3-Jun-04	L0406051-12	8270C	PHENOL		U	ug/l		7	1 2	1
60304	3-Jun-04	L0406051-12	8270C	2-METHYLPHENOL		U	ug/l		6	1 5	1
60304	3-Jun-04	L0406051-12	8270C	3-METHYLPHENOL/4-METHYLPHENOL		U	ug/l		6	1.6	1
60304	3-Jun-04	L0406051-12	8270C	2,4,5-TRICHLOROPHENOL		U	ug/l		5	0 96	1
60304	3-Jun-04	L0406051-12	8270C	BENZOIC ACID		U	ug/l		50	0.99	1
60304	3-Jun-04	L0406051-12	8270C	CARBAZOLE		U	ug/l		5	1 6	1
60304	3-Jun-04	L0406051-12	8270C-SIM	ACENAPHTHENE		U	ug/l		0.2	0.036	1
60304	3-Jun-04	L0406051-12	8270C-SIM	2-CHLORONAPHTHALENE		U	ug/l		0.2	0 042	1
60304	3-Jun-04	L0406051-12	8270C-SIM	FLUORANTHENE		U	ug/l		0 2	0.04	1
60304	3-Jun-04	L0406051-12	8270C-SIM	NAPHTHALENE		U	ug/l		0.2	0.031	1
60304	3-Jun-04	L0406051-12	8270C-SIM	BENZO(A)ANTHRACENE		UJ	ug/l		0.2	0.038	1
60304	3-Jun-04	L0406051-12	8270C-SIM	BENZO(A)PYRENE		U	ug/l		0 2	0 04	1
60304	3-Jun-04	L0406051-12	8270C-SIM	BENZO(B)FLUORANTHENE		U	ug/l		0 2	0.05	1
60304	3-Jun-04	L0406051-12	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	ug/l		0.2	0 036	1
60304	3-Jun-04	L0406051-12	8270C-SIM	CHRYSENE		U	ug/l		0.2	0.024	1
60304	3-Jun-04	L0406051-12	8270C-SIM	ACENAPHTHYLENE		U	ug/l		0.2	0 03	1
60304	3-Jun-04	L0406051-12	8270C-SIM	ANTHRACENE		U	ug/l		0.2	0 049	1
60304	3-Jun-04	L0406051-12	8270C-SIM	BENZO(GHI)PERYLENE		UJ	ug/l		0 25	0.025	1
60304	3-Jun-04	L0406051-12	8270C-SIM	FLUORENE		U	ug/l		0.2	0 024	1
60304	3-Jun-04	L0406051-12	8270C-SIM	PHENANTHRENE		U	ug/l		0.2	0.031	1
60304	3-Jun-04	L0406051-12	8270C-SIM	DIBENZO(A,H)ANTHRACENE		U	ug/l		0.2	0 017	1
60304	3-Jun-04	L0406051-12	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	ug/l		0 2	0.026	1
60304	3-Jun-04	L0406051-12	8270C-SIM	PYRENE		U	ug/l		0.2	0 046	1
60304	3-Jun-04	L0406051-12	8270C-SIM	2-METHYLNAPHTHALENE		U	ug/l		0.2	0 036	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	4-NITROPHENOL		U	ug/l		10	1.6	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	2,4-DINITROPHENOL		U	ug/l		20	1	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	4,6-DINITRO-O-CRESOL		U	ug/l		20	1 4	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	PENTACHLOROPHENOL		U	ug/l		20	1.6	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	PHENOL		U	ug/l		7	1.2	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	2-METHYLPHENOL		U	ug/l		6	1.5	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	3-METHYLPHENOL/4-METHYLPHENOL		U	ug/l		6	1.6	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	2,4,5-TRICHLOROPHENOL		U	ug/l		5	0 96	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	BENZOIC ACID		U	ug/l		50	0 99	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	CARBAZOLE		U	ug/l		5	1 6	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C-SIM	ACENAPHTHENE		U	ug/l		0.2	0.036	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C-SIM	2-CHLORONAPHTHALENE		U	ug/l		0 2	0.042	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C-SIM	FLUORANTHENE	0 083	J	ug/l		0 2	0 04	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C-SIM	NAPHTHALENE		U	ug/l		0 2	0.031	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C-SIM	BENZO(A)ANTHRACENE		UJ	ug/l		0.2	0 038	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C-SIM	BENZO(A)PYRENE		U	ug/l		0 2	0 04	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C-SIM	BENZO(B)FLUORANTHENE		U	ug/l		0 2	0 05	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	ug/l		0.2	0.036	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-GW38DS-02	3-Jun-04	L0406051-14	8270C-SIM	CHRYSENE		U	ug/l		0.2	0.024	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C-SIM	ACENAPHTHYLENE		U	ug/l		0 2	0.03	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C-SIM	ANTHRACENE		U	ug/l		0 2	0 049	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C-SIM	BENZO(GHI)PERYLENE		UJ	ug/l		0 25	0.025	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C-SIM	FLUORENE		U	ug/l		0.2	0 024	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C-SIM	PHENANTHRENE	0 16	J	ug/l		0 2	0.031	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C-SIM	DIBENZO(A,H)ANTHRACENE		U	ug/l		0 2	0.017	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	ug/l		0 2	0 026	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C-SIM	PYRENE	0 068	J	ug/l		0 2	0.046	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C-SIM	2-METHYLNAPHTHALENE		U	ug/l		0 2	0 036	1
2-GW38DS-02	3-Jun-04	L0406051-14	2320B	ALKALINITY, TOTAL	190		mg CaCO3/L		2	0.4	1
2-GW38DS-02	3-Jun-04	L0406051-14	2540C	SOLIDS, TOTAL DISSOLVED	450		mg/l		10	2.8	1
2-GW38DS-02	3-Jun-04	L0406051-14	9251	CHLORIDE	130		mg/l		5	0 36	5
2-GW38DS-02	3-Jun-04	L0406051-14	9038	SULFATE	10		mg/l		10	1 4	1
2-GW38DS-02	3-Jun-04	L0406051-14	5220D	CHEMICAL OXYGEN DEMAND	56		mg/l		20	4.2	1
2-GW38DS-02	3-Jun-04	L0406051-14	9060	TOTAL ORGANIC CARBON	13		mg/l		5	0 43	10
2-GW38DS-02	3-Jun-04	L0406051-14	2340B	HARDNESS	160		mg/l		1 7		1
2-GW38DS-02	3-Jun-04	L0406051-14	6010B	ALUMINUM, TOTAL	0 12		mg/l		0 1	0 019	1
2-GW38DS-02	3-Jun-04	L0406051-14	6020A	ANTIMONY, TOTAL	0.0003	J	mg/l		0.001	0 000022	1
2-GW38DS-02	3-Jun-04	L0406051-14	6020A	ARSENIC, TOTAL	0.0016		mg/l		0 001	0.000034	1
2-GW38DS-02	3-Jun-04	L0406051-14	6020A	BARIUM, TOTAL	0 0097		mg/l		0 001	0.000038	1
2-GW38DS-02	3-Jun-04	L0406051-14	6020A	BERYLLIUM, TOTAL	0.00003	U	mg/l		0.001	0 000015	1
2-GW38DS-02	3-Jun-04	L0406051-14	6020A	CADMIUM, TOTAL	0.00008	J	mg/l		0 0001	0.000034	1
2-GW38DS-02	3-Jun-04	L0406051-14	6010B	CALCIUM, TOTAL	45		mg/l		0.1	0.015	1
2-GW38DS-02	3-Jun-04	L0406051-14	6020A	CHROMIUM, TOTAL	0 0031		mg/l		0 001	0.000031	1
2-GW38DS-02	3-Jun-04	L0406051-14	6020A	COBALT, TOTAL	0 00092	J	mg/l		0 001	0.000017	1
2-GW38DS-02	3-Jun-04	L0406051-14	6020A	COPPER, TOTAL	0 0026		mg/l		0 001	0.000172	1
2-GW38DS-02	3-Jun-04	L0406051-14	6010B	IRON, TOTAL	3 6	J	mg/l		0 05	0.013	1
2-GW38DS-02	3-Jun-04	L0406051-14	6020A	LEAD, TOTAL	0 001		mg/l		0 0005	0.000028	1
2-GW38DS-02	3-Jun-04	L0406051-14	6010B	MAGNESIUM, TOTAL	11		mg/l		0 1	0 014	1
2-GW38DS-02	3-Jun-04	L0406051-14	6010B	MANGANESE, TOTAL	0 43		mg/l		0 01	0.0006	1
2-GW38DS-02	3-Jun-04	L0406051-14	7470A	MERCURY, TOTAL		UJ	mg/l		0 0002	0 000012	1
2-GW38DS-02	3-Jun-04	L0406051-14	6020A	MOLYBDENUM, TOTAL	0 0013		mg/l		0 001	0 00003	1
2-GW38DS-02	3-Jun-04	L0406051-14	6020A	NICKEL, TOTAL	0 0038		mg/l		0 001	0.000024	1
2-GW38DS-02	3-Jun-04	L0406051-14	6010B	POTASSIUM, TOTAL	13		mg/l		2.5	0.094	1
2-GW38DS-02	3-Jun-04	L0406051-14	6020A	SELENIUM, TOTAL		U	mg/l		0.002	0 000298	1
2-GW38DS-02	3-Jun-04	L0406051-14	6020A	SILVER, TOTAL		U	mg/l		0 001	0.000025	1
2-GW38DS-02	3-Jun-04	L0406051-14	6010B	SODIUM, TOTAL	100		mg/l		20	3 1	10
2-GW38DS-02	3-Jun-04	L0406051-14	6020A	THALLIUM, TOTAL		U	mg/l		0 001	0.000026	1
2-GW38DS-02	3-Jun-04	L0406051-14	6020A	VANADIUM, TOTAL	0 0017		mg/l		0.001	0 00003	1
2-GW38DS-02	3-Jun-04	L0406051-14	6020A	ZINC, TOTAL	0.0465		mg/l		0 005	0.000298	1
2-GW38DS-02	3-Jun-04	L0406051-14	6010B	ALUMINUM, DISSOLVED	0.025	J	mg/l		0.1	0 019	1
2-GW38DS-02	3-Jun-04	L0406051-14	6020A	ANTIMONY, DISSOLVED	0 0012		mg/l		0 001	0.000022	1
2-GW38DS-02	3-Jun-04	L0406051-14	6020A	ARSENIC, DISSOLVED	0 0027		mg/l		0.001	0 000034	1
2-GW38DS-02	3-Jun-04	L0406051-14	6020A	BARIUM, DISSOLVED	0.0047		mg/l		0.001	0 000038	1
2-GW38DS-02	3-Jun-04	L0406051-14	6020A	BERYLLIUM, DISSOLVED		U	mg/l		0.001	0.000015	1
2-GW38DS-02	3-Jun-04	L0406051-14	6020A	CADMIUM, DISSOLVED		U	mg/l		0 0001	0 000034	1
2-GW38DS-02	3-Jun-04	L0406051-14	6010B	CALCIUM, DISSOLVED	41		mg/l		0 1	0 015	1
2-GW38DS-02	3-Jun-04	L0406051-14	6020A	CHROMIUM, DISSOLVED	0 0012		mg/l		0 001	0.000031	1
2-GW38DS-02	3-Jun-04	L0406051-14	6020A	COBALT, DISSOLVED	0 0006	J	mg/l		0 001	0.000017	1
2-GW38DS-02	3-Jun-04	L0406051-14	6020A	COPPER, DISSOLVED	0.00081	J	mg/l		0 001	0 000172	1
2-GW38DS-02	3-Jun-04	L0406051-14	6010B	IRON, DISSOLVED	0 72	J	mg/l		0 05	0 013	1
2-GW38DS-02	3-Jun-04	L0406051-14	6020A	LEAD, DISSOLVED	0 0007		mg/l		0.0005	0 000028	1
2-GW38DS-02	3-Jun-04	L0406051-14	6010B	MAGNESIUM, DISSOLVED	13		mg/l		0 1	0.014	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-GW38DS-02	3-Jun-04	L0406051-14	6010B	MANGANESE, DISSOLVED	0.28		mg/l		0 01	0.0006	1
2-GW38DS-02	3-Jun-04	L0406051-14	7470A	MERCURY, DISSOLVED		UJ	mg/l		0.0002	0.000012	1
2-GW38DS-02	3-Jun-04	L0406051-14	6020A	MOLYBDENUM, DISSOLVED	0 0078		mg/l		0.001	0.00003	1
2-GW38DS-02	3-Jun-04	L0406051-14	6020A	NICKEL, DISSOLVED	0.0022		mg/l		0.001	0 000024	1
2-GW38DS-02	3-Jun-04	L0406051-14	6010B	POTASSIUM, DISSOLVED	16		mg/l		2.5	0.094	1
2-GW38DS-02	3-Jun-04	L0406051-14	6020A	SELENIUM, DISSOLVED	0.00054	J	mg/l		0 002	0 000298	1
2-GW38DS-02	3-Jun-04	L0406051-14	6020A	SILVER, DISSOLVED		U	mg/l		0 001	0 000025	1
2-GW38DS-02	3-Jun-04	L0406051-14	6010B	SODIUM, DISSOLVED	110		mg/l		20	3.1	10
2-GW38DS-02	3-Jun-04	L0406051-14	6020A	THALLIUM, DISSOLVED		U	mg/l		0.001	0.000026	1
2-GW38DS-02	3-Jun-04	L0406051-14	6020A	VANADIUM, DISSOLVED	0 0019		mg/l		0 001	0.00003	1
2-GW38DS-02	3-Jun-04	L0406051-14	6020A	ZINC, DISSOLVED	0.00324	J	mg/l		0 005	0.000298	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	1,2,4-TRICHLOROBENZENE		U	ug/l		5	1.3	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	HEXACHLOROBENZENE		U	ug/l		5	1 6	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	BIS(2-CHLOROETHYL)ETHER		U	ug/l		5	1 3	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	1,2-DICHLOROBENZENE		U	ug/l		5	1.1	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	1,3-DICHLOROBENZENE		U	ug/l		5	1	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	1,4-DICHLOROBENZENE		U	ug/l		5	0.96	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	3,3'-DICHLOROBENZIDINE		U	ug/l		50	2 6	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	2,4-DINITROTOLUENE		U	ug/l		6	0.48	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	2,6-DINITROTOLUENE		U	ug/l		5	0 96	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	4-CHLOROPHENYL PHENYL ETHER		U	ug/l		5	0 96	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	4-BROMOPHENYL PHENYL ETHER		U	ug/l		5	0.99	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	ug/l		5	2 2	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	BIS(2-CHLOROETHOXY)METHANE		U	ug/l		5	1.6	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	HEXACHLOROBUTADIENE		U	ug/l		10	2 1	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	HEXACHLOROETHANE		U	ug/l		5	0.97	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	ISOPHORONE		U	ug/l		5	1.6	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	NITROBENZENE		U	ug/l		5	1 6	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	ug/l		15	4 2	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	N-NITROSODI-N-PROPYLAMINE		U	ug/l		5	1 6	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	BIS(2-ETHYLHEXYL)PHTHALATE		U	ug/l		10	1 6	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	BUTYL BENZYL PHTHALATE		U	ug/l		5	0 67	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	DI-N-BUTYLPHTHALATE		U	ug/l		5	0.5	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	DI-N-OCTYLPHTHALATE		U	ug/l		5	0.54	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	DIETHYL PHTHALATE		U	ug/l		5	1.6	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	DIMETHYL PHTHALATE		U	ug/l		5	1.6	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	4-CHLOROANILINE		U	ug/l		5	1.4	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	2-NITROANILINE		U	ug/l		5	1.1	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	3-NITROANILINE		U	ug/l		5	1 1	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	4-NITROANILINE		U	ug/l		7	1 3	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	DIBENZOFURAN		U	ug/l		5	0 92	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	2,4,6-TRICHLOROPHENOL		U	ug/l		5	1 2	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	P-CHLORO-M-CRESOL		U	ug/l		5	1 5	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	2-CHLOROPHENOL		U	ug/l		6	1 8	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	2,4-DICHLOROPHENOL		U	ug/l		10	2.1	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	2,4-DIMETHYLPHENOL		UJ	ug/l		10	3.1	1
2-GW38DS-02	3-Jun-04	L0406051-14	8270C	2-NITROPHENOL		U	ug/l		20	2 3	1

Field Duplicate Worksheet - Round 14 - June 2004 - Area A - SDG 0406051

Field Sample	Analyte	Analytical Method	Result	Units	Qualifier	Field Duplicate	Analyte	Result	Units	Qualifier	Field Duplicate RPD
2-GW42DS-02	ACENAPHTHENE	8270C-SIM	0.094	ug/l	J	060204-02	ACENAPHTHENE	0.07	ug/l	J	29 3
2-GW42DS-02	ANTIMONY, TOTAL	6020A	0.001	mg/l		060204-02	ANTIMONY, TOTAL	0.00097	mg/l	J	3.0
2-GW42DS-02	ARSENIC, TOTAL	6020A	0.0047	mg/l		060204-02	ARSENIC, TOTAL	0 0041	mg/l		13 6
2-GW42DS-02	BARIUM, TOTAL	6020A	0 0709	mg/l		060204-02	BARIUM, TOTAL	0 0681	mg/l		4 0
2-GW42DS-02	CHROMIUM, TOTAL	6020A	0 0176	mg/l		060204-02	CHROMIUM, TOTAL	0.0152	mg/l		14.6
2-GW42DS-02	COPPER, TOTAL	6020A	0.0032	mg/l		060204-02	COPPER, TOTAL	0.0032	mg/l		0 0
2-GW42DS-02	NICKEL, TOTAL	6020A	0 01	mg/l		060204-02	NICKEL, TOTAL	0 01	mg/l		0 0
2-GW42DS-02	VANADIUM, TOTAL	6020A	0.0039	mg/l		060204-02	VANADIUM, TOTAL	0 0038	mg/l		2 6
2-GW42DS-02	ZINC, TOTAL	6020A	0 0145	mg/l		060204-02	ZINC, TOTAL	0 0146	mg/l		0 7
2-GW42DS-02	ARSENIC, DISSOLVED	6020A	0.0055	mg/l		060204-02	ARSENIC, DISSOLVED	0 0043	mg/l		24 5
2-GW42DS-02	BARIUM, DISSOLVED	6020A	0.0657	mg/l		060204-02	BARIUM, DISSOLVED	0.0603	mg/l		8.6
2-GW42DS-02	CHROMIUM, DISSOLVED	6020A	0.0076	mg/l		060204-02	CHROMIUM, DISSOLVED	0.0076	mg/l		0.0
2-GW42DS-02	NICKEL, DISSOLVED	6020A	0.0044	mg/l		060204-02	NICKEL, DISSOLVED	0 0053	mg/l		18.6
2-GW42DS-02	VANADIUM, DISSOLVED	6020A	0.0033	mg/l		060204-02	VANADIUM, DISSOLVED	0.0033	mg/l		0.0
2-GW42DS-02	COBALT, TOTAL	6020A	0 00099	mg/l	J	060204-02	COBALT, TOTAL	0.00095	mg/l	J	4.1
2-GW42DS-02	LEAD, TOTAL	6020A	0 00032	mg/l	J	060204-02	LEAD, TOTAL	0.00032	mg/l	J	0 0
2-GW42DS-02	SELENIUM, TOTAL	6020A	0 0111	mg/l	J						200 0
2-GW42DS-02	ANTIMONY, DISSOLVED	6020A	0 00095	mg/l	J	060204-02	ANTIMONY, DISSOLVED	0 00086	mg/l	J	9 9
2-GW42DS-02	COBALT, DISSOLVED	6020A	0 00069	mg/l	J	060204-02	COBALT, DISSOLVED	0 00073	mg/l	J	5.6
2-GW42DS-02	COPPER, DISSOLVED	6020A	0.00046	mg/l	J	060204-02	COPPER, DISSOLVED	0 0004	mg/l	J	14.0
2-GW42DS-02	SELENIUM, DISSOLVED	6020A	0 0118	mg/l	J	060204-02	SELENIUM, DISSOLVED	0.011	mg/l		7.0
2-GW42DS-02	ZINC, DISSOLVED	6020A	0.00349	mg/l	J	060204-02	ZINC, DISSOLVED	0.0048	mg/l	J	31.6
2-GW42DS-02	ALUMINUM, TOTAL	6010B	0.093	mg/l	J	060204-02	ALUMINUM, TOTAL	0.079	mg/l	J	16.3
2-GW42DS-02	CALCIUM, TOTAL	6010B	170	mg/l		060204-02	CALCIUM, TOTAL	170	mg/l		0 0
2-GW42DS-02	IRON, TOTAL	6010B	5.9	mg/l	J	060204-02	IRON, TOTAL	5 7	mg/l	J	3.4
2-GW42DS-02	MAGNESIUM, TOTAL	6010B	340	mg/l		060204-02	MAGNESIUM, TOTAL	330	mg/l		3.0
2-GW42DS-02	MANGANESE, TOTAL	6010B	0 21	mg/l		060204-02	MANGANESE, TOTAL	0 21	mg/l		0 0
2-GW42DS-02	POTASSIUM, TOTAL	6010B	220	mg/l		060204-02	POTASSIUM, TOTAL	210	mg/l		4.7
2-GW42DS-02	SODIUM, TOTAL	6010B	3100	mg/l		060204-02	SODIUM, TOTAL	2800	mg/l		10.2
2-GW42DS-02	CALCIUM, DISSOLVED	6010B	160	mg/l		060204-02	CALCIUM, DISSOLVED	150	mg/l		6.5
2-GW42DS-02	IRON, DISSOLVED	6010B	0 048	mg/l	J	060204-02	IRON, DISSOLVED	0.08	mg/l	J	50.0
2-GW42DS-02	MAGNESIUM, DISSOLVED	6010B	340	mg/l		060204-02	MAGNESIUM, DISSOLVED	330	mg/l		3 0
2-GW42DS-02	MANGANESE, DISSOLVED	6010B	0.18	mg/l		060204-02	MANGANESE, DISSOLVED	0.16	mg/l		11.8
2-GW42DS-02	POTASSIUM, DISSOLVED	6010B	210	mg/l		060204-02	POTASSIUM, DISSOLVED	200	mg/l		4.9
2-GW42DS-02	SODIUM, DISSOLVED	6010B	2800	mg/l		060204-02	SODIUM, DISSOLVED	2700	mg/l		3.6
2-GW47DS-02	ARSENIC, TOTAL	6020A	0.0347	mg/l		60304	ARSENIC, TOTAL	0.0352	mg/l		1.4
2-GW47DS-02	BARIUM, TOTAL	6020A	0 3572	mg/l		60304	BARIUM, TOTAL	0.3412	mg/l		4 6
2-GW47DS-02	CHROMIUM, TOTAL	6020A	0 0023	mg/l		60304	CHROMIUM, TOTAL	0 0027	mg/l		16 0
2-GW47DS-02	COBALT, TOTAL	6020A	0.0061	mg/l		60304	COBALT, TOTAL	0 0059	mg/l		3.3
2-GW47DS-02	COPPER, TOTAL	6020A	0.0012	mg/l		60304	COPPER, TOTAL	0 0013	mg/l		8.0
2-GW47DS-02	MOLYBDENUM, TOTAL	6020A	0 0035	mg/l		60304	MOLYBDENUM, TOTAL	0.0034	mg/l		2 9
2-GW47DS-02	NICKEL, TOTAL	6020A	0 0026	mg/l		60304	NICKEL, TOTAL	0 0029	mg/l		10.9
2-GW47DS-02	VANADIUM, TOTAL	6020A	0 0013	mg/l		60304	VANADIUM, TOTAL	0 0013	mg/l		0.0
2-GW47DS-02	ARSENIC, DISSOLVED	6020A	0 0345	mg/l		60304	ARSENIC, DISSOLVED	0 0326	mg/l		5.7
2-GW47DS-02	BARIUM, DISSOLVED	6020A	0 3606	mg/l		60304	BARIUM, DISSOLVED	0 3388	mg/l		6 2
2-GW47DS-02	COBALT, DISSOLVED	6020A	0.0061	mg/l		60304	COBALT, DISSOLVED	0 0057	mg/l		6.8
2-GW47DS-02	MOLYBDENUM, DISSOLVED	6020A	0 0037	mg/l		60304	MOLYBDENUM, DISSOLVED	0 0034	mg/l		8 5

Field Duplicate Worksheet - Round 14 - June 2004 - Area A - SDG 0406051

2-GW47DS-02	NICKEL, DISSOLVED	6020A	0.0018	mg/l		60304	NICKEL, DISSOLVED	0 0014	mg/l		25.0
2-GW47DS-02	SELENIUM, DISSOLVED	6020A	0.003	mg/l		60304	SELENIUM, DISSOLVED	0.003	mg/l		0.0
2-GW47DS-02	ANTIMONY, TOTAL	6020A	0 0003	mg/l	J	60304	ANTIMONY, TOTAL		mg/l		200 0
2-GW47DS-02	LEAD, TOTAL	6020A	0.00028	mg/l	J	60304	LEAD, TOTAL	0 0009	mg/l		105 1
2-GW47DS-02	ZINC, TOTAL	6020A	0.00377	mg/l	J	60304	ZINC, TOTAL	0 0431	mg/l		167.8
2-GW47DS-02	CHROMIUM, DISSOLVED	6020A	0.00082	mg/l	J	60304	CHROMIUM, DISSOLVED	0.00078	mg/l	J	5 0
2-GW47DS-02	VANADIUM, DISSOLVED	6020A	0.00097	mg/l	J	60304	VANADIUM, DISSOLVED	0.00091	mg/l	J	6 4
2-GW47DS-02	ZINC, DISSOLVED	6020A	0 00487	mg/l	J	60304	ZINC, DISSOLVED	0.00141	mg/l	J	110.2
2-GW47DS-02	ALUMINUM, TOTAL	6010B	0 19	mg/l		60304	ALUMINUM, TOTAL	0 18	mg/l		5.4
2-GW47DS-02	CALCIUM, TOTAL	6010B	36	mg/l		60304	CALCIUM, TOTAL	36	mg/l		0 0
2-GW47DS-02	IRON, TOTAL	6010B	91	mg/l	J	60304	IRON, TOTAL	89	mg/l	J	2 2
2-GW47DS-02	MAGNESIUM, TOTAL	6010B	51	mg/l		60304	MAGNESIUM, TOTAL	50	mg/l		2 0
2-GW47DS-02	MANGANESE, TOTAL	6010B	3.3	mg/l		60304	MANGANESE, TOTAL	3.2	mg/l		3.1
2-GW47DS-02	POTASSIUM, TOTAL	6010B	77	mg/l		60304	POTASSIUM, TOTAL	75	mg/l		2.6
2-GW47DS-02	SODIUM, TOTAL	6010B	730	mg/l		60304	SODIUM, TOTAL	760	mg/l		4 0
2-GW47DS-02	ALUMINUM, DISSOLVED	6010B	0 024	mg/l	J	60304	ALUMINUM, DISSOLVED	0 023	mg/l		4.3
2-GW47DS-02	CALCIUM, DISSOLVED	6010B	37	mg/l		60304	CALCIUM, DISSOLVED	35	mg/l		5.6
2-GW47DS-02	IRON, DISSOLVED	6010B	93	mg/l	J	60304	IRON, DISSOLVED	86	mg/l	J	7.8
2-GW47DS-02	MAGNESIUM, DISSOLVED	6010B	52	mg/l		60304	MAGNESIUM, DISSOLVED	49	mg/l		5 9
2-GW47DS-02	MANGANESE, DISSOLVED	6010B	3.4	mg/l		60304	MANGANESE, DISSOLVED	3.1	mg/l		9.2
2-GW47DS-02	POTASSIUM, DISSOLVED	6010B	78	mg/l		60304	POTASSIUM, DISSOLVED	73	mg/l		6 6
2-GW47DS-02	SODIUM, DISSOLVED	6010B	760	mg/l		60304	SODIUM, DISSOLVED	710	mg/l		6.8

CHAIN OF CUSTODY

PAGE 1 OF 2

ALPHA

Date Rec'd in Lab. 6/3/04

ALPHA Job #: L0406051

Eight Walk Up Drive Westborough, MA 01581
TEL. 508-898-9220 FAX. 508-898-9193

Client Information

Client. Environmental Chemical Corporation
Address: 50 D'ANGELO DRIVE
MARLBOROUGH, MA 01752
Phone: 508-229-2270
Fax.
Email:

☒ These samples have been Previously analyzed by Alpha

Project Information

Project Name: AREA A LANDFILL
Project Location NEW LONDON, CT
Project #
Project Manager:
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date 6/18/04 Time.

Report Information Data Deliverables

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #.

Regulatory Requirements/Report Limits

State/Fed Program Criteria

MCP PRESUMPTIVE CERTAINTY-THESE QUESTIONS MUST BE ANSWERED

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are Drinking Water Samples Submitted?
☐ Yes ☐ No Have you met minimum field QC requirements?

Other Proj ct Specific Requirements/Comments/Detection Limits:
Dissolved metals are field filtered

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	SVOC-8270C	PAH-8270C SIM	TOTAL M[illegible] S	DISSOLVED METALS	HARDNESS, TDS, Alk	TOC	TSS	COD	Cl, SO4				Sample Specific Comments
060051 1	2-GW41DS-02	6/2/04	1421	GW		X	X	X	X	X	X	X	X	X				
2	2-GW42DS-02	6/2/04	1001	GW		X	X	X	X	X	X	X	X	X				MS/MSD
3	060204-02	6/2/04	0000	GW		X	X	X	X	X	X	X	X	X				
4	2-GW44DS-02	6/2/04	1538	GW		X	X	X	X	X	X	X	X	X				
5	4-GW1S-02	6/2/04	1530	GW		X	X	X	X	X	X	X	X	X				
6	2-SW20-02	6/3/04	0930	SW		X	X	X	X	X	X	X	X	X				
7	2-GW20S-02	6/3/04	0925	GW		X	X	X	X	X	X	X	X	X				
8	2-GW43DS-02	6/3/04	1057	GW		X	X	X	X	X	X	X	X	X				
9	2-SW24-02	6/3/04	1155	SW		X	X	X	X	X	X	X	X	X				
10	2-GW47DS-02	6/3/04	1240	GW		X	X	X	X	X	X	X	X	X				
					Container Type	-	-	-	-	-	-	-	-	-	-	-	-	
					Preservative	-	-	-	-	-	-	-	-	-	-	-	-	

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

IS YOUR PROJECT MCP?

Relinquished By:	Date/Time	Received By	Date/Time
[illegible]	6/3/04 1615	[illegible]	[illegible]
[illegible]	6/3/04 1800	[illegible]	6/3/04 1800

Please print clearly, legi and completely. Sampl not be logged in and turnaround time clock w start until any ambiguiti resolved. All samples submitted are subject to Alpha's Payment Terms

FORM NO 01 01 Internal

CHAIN OF CUSTODY

PAGE 2 OF 2

ALPHA

Eight Walk Up Drive Westborough, MA 01581
TEL. 508-898-9220 FAX: 508-898-9193

Date Rec'd in Lab: 6/3/04

ALPHA Job #: L0406051

Client Information

Client: Environmental Chemical Corporation
Address: 50 D'ANGELO DRIVE
MARLBOROUGH, MA 01752
Phone: 508-229-2270
Fax:
Email:
☒ These samples have been Previously analyzed by Alpha

Project Information

Project Name: AREA A LANDFILL
Project Location: NEW LONDON, CT
Project #:
Project Manager:
ALPHA Quote #

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 6/18/04 Time:

Report Information

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

Data Deliverables

Billing Information

☒ Same as Client info PO #

Regulatory Requirements/Report Limits

State/Fed Program Criteria

MCP PRESUMPTIVE CERTAINTY-THESE QUESTIONS MUST BE ANSWERED

☐ Yes	☐ No	Are MCP Analytical Methods Required?
☐ Yes	☐ No	Are Drinking Water Samples Submitted?
☐ Yes	☐ No	Have you met minimum field QC requirements?

Other Project Specific Requirements/Comments/Detection Limits:
Dissolved metals are field filtered.

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8VOC-8270C	PAH-8270C SIM	TOTAL METALS	DISSOLVED METALS	HARDNESS, TDS, Alk	TOC	TSS	COD	Cl, SO4				Sample Specific Comments
06051. 11	2-GW21S-02	6/3/04	1356	GW		X	X	X	X	X	X	X	X	X				
12	060304	6/3/04	0000	GW		X	X	X	X	X	X	X	X	X				
Container Type						-	-	-	-	-	-	-	-	-	-	-	-	
Preservative						-	-	-	-	-	-	-	-	-	-	-	-	

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

IS YOUR PROJECT MCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	6/3/04 1615	[illegible]	[illegible]
[illegible]	6/3/04 1800	[illegible]	6/3/04 1800

Please print clearly, legi and completely. Sampl not be logged in and turnaround time clock w start until any ambiguiti resolved. All samples submitted are subject to Alpha's Payment Terms

FORM NO 01-01 Internal

CHAIN OF CUSTODY

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ALPHA ANALYTICAL LABS

Eight Walk Up Drive Westborough, MA 01581
TEL. 508-898-9220 FAX: 508-898-9193

Date Rec'd in Lab: 6/4/04

ALPHA Job #: L0406051

Client Information

Client: Environmental Chemical Corporation
Address: 50 D'ANGELO DRIVE
MARLBOROUGH, MA 01752
Phone: 508-229-2270
Fax:
Email:

☒ These samples have been Previously analyzed by Alpha

Project Information

Project Name: AREA A LANDFILL
Project Location: NEW LONDON, CT
Project #.
Project Manager:
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 6/18/04 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Criteria

MCP PRESUMPTIVE CERTAINTY-THESE QUESTIONS MUST BE ANSWERED

☐ Yes	☐ No	Are MCP Analytical Methods Required?
☐ Yes	☐ No	Are Drinking Water Samples Submitted?
☐ Yes	☐ No	Have you met minimum field QC requirements?

Other Project Specific Requirements/Comments/Detection Limits:
Dissolved metals are field filtered.

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	SVOC-8270C	PAH-8270C SIM	TOTAL METALS	DISSOLVED METALS	HARDNESS, TDS, Alk	TOC	TSS	COD	Cl, SO4				Sample Specific Comments
06051.14	2-GW38DS-02	6/3/04	1200	GW		X	X	X	X	X	X		X	X				
Container Type						-	-	-	-	-	-	-	-	-	-	-	-	
Preservative						-	-	-	-	-	-	-	-	-	-	-	-	

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

IS YOUR PROJECT MCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	6/4/04 1130	[illegible]	6/4/04 1130
[illegible]	6/4/04 1435	[illegible]	6/4/04 1435

Please print clearly, legi and completely. Sample not be logged in and turnaround time clock w start until any ambiguitie resolved. All samples submitted are subject to Alpha's Payment Terms

FORM NO 01-01 Internet

DATA VALIDATION MEMORANDUM – AREA A
O&M MONITORING SITES – NEW LONDON NSB
JUNE 2004 SAMPLING ROUND 14 (SDG 0405940 ALPHA LAB)

TO: ENGINEERING FIELD ACTIVITY NORTHEAST

FROM: JACKSON KIKER, ECC SENIOR CHEMIST, MARLBOROUGH, MA.

SUBJECT: NEW LONDON NSB – IRP O&M MONITORING SITES - SAMPLING ROUND-14, JUNE '04

DATE: 9/8/2004

Project data were validated using the following Validation Functional Guideline, as modified for non-CLP methods.

1. Region I, EPA-NE Data Validation Functional Guidelines for Evaluation of Environmental Analyses (Dec, 1996).

2. Operations and Maintenance Manual for Installation Restoration Program at Naval Submarine Base New London (Nov, 2002).

The validation guideline exceedences are assessed and documented on the method specific data validation worksheet. On the data validation worksheet, the data quality acceptance criteria are presented, analytes requiring qualification based on laboratory historical control limits and/or validation guidance criteria exceedences are listed, assigned qualifiers, qualifying rationale is documented, and any potential bias noted. The overall evaluation of the data generated is presented in the data validation worksheet.

Standard EPA Region I data qualifiers are used to denote the assessment of data quality. The final and ranking assigned data qualifier for an analyte is presented in the data summary table. Ancillary qualifiers are noted on the data validation worksheets.

As an exception to the USEPA Region I data validation guidance, non-target ketone VOC data with response factors (RFs) less than the 0.05 were not qualified, as the Tier guidance allows for exceptions to the RF guidance.

The USEPA Region I Organic Regional Data Assessment (ORDA) sheet displays the summarized results of the data validation assessment for all analytical methods reported in the SDG.

Region I, EPA-NE ORGANIC REGIONAL DATA ASSESSMENT

LAB NAME: Alpha Lab
SDG #:__0405940_____
EPA-NE DV TIER LEVEL:___II___
SITE NAME: Area A New London NSB – O&M

# of SAMPLES/MATRIX:___12-field samples (GW & SW) & 1-FD.
VALIDATION CONTRACTOR:__ECC
VALIDATOR'S NAME: Guru Ranganathan
DV Completion Date:_July 23, 2004
Date Sampled__June 1 & 2, 2004 _____

ANALYTICAL DATA QUALITY SUMMARY

		SVOC	PAH	Metals
1	Preservation and HT	O	O	O
2	Instrument Performance Check	O	O	O
3	Initial Calibration:	O	M	O
4	Continuing Calibration:	O	M	O
5	Blanks:	O	O	M
6	Surrogate Compounds:	O	O	-
7	Internal Standards	O	O	-
8	Matrix Spike/Matrix Spike Duplicate:	O	O	M
9	Sensitivity Check:	O	O	O
10	PE Samples- Accuracy Check	M	O	O
11	Target Compound Identification:	O	O	O
12	Compound Quantitation and Reported QLs	O	O	O
13	Tentatively Identified Compounds:	-	-	-
14	Semivolatile/Pesticide/PCB Cleanup:	-	-	-
15	Data Completeness	O	O	O
16	Overall Evaluation of Data:	O	O	O

O = Data had no problems or were qualified due to minor contractual problems; M = Data were qualified due to major/systemic MPC exceedences: Z = Data were rejected as unusable due to major contractual problems.

ACTION ITEMS: (Z items): _

AREAS OF CONCERN: (M items): _.

SVOC: Low LCS recovery for 2, 4-dimethylphenol.

PAH: ICV: %D outside MPC limits for pyrene, benzo(a)anthracene, benzo(b)fluoranthene & benzo(k)fluoranthene.

CCV; %D outside MPC limits for phenanthrene and acenaphthene in the first run associated with samples 01-08 and for phenanthrene and dibenzo(a,h)anthracene in the second run associated with samples 09-13.

Metals: Please refer to the data review worksheets or Data Summary Tables for the results that were qualified due to ICB and preparation blank contaminations. High MS recovery for total Fe.

ECC Region I Data Review Worksheet (rv 2) **SVOCs 8270C**
Project: New London Area A ECC Job No. 5700 **Review Criteria: Region I Tier II Guidance & OM Manual (2002)**

Data Validation Level	Matrix	Preservation	Temperature Sample Receipt	Laboratory	SDG Number
Tier II	Aqueous	-	8-coolers 0.8, 1.2, 2.2, 1.9, 4.6, 1.2, 1.9 & 4.6 °C	Alpha Laboratory Westborough, MA	0405940

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
2-SW19-02	L0405940-01
60204	L0405940-02
3-GW37S-02	L0405940-03
3-SP01-02	L0405940-04
2-SW23-02	L0405940-05
3-GW12D-02	L0405940-06
2-GW45DS-02	L0405940-07
2-SW22-02	L0405940-08
2-SW21-02	L0405940-09
2-GW46DS-02	L0405940-10
2-SW18-02	L0405940-11
2-GW40DS-02	L0405940-12
2-GW39DS-02	L0405940-13

Note: Samples are described below in the data worksheets by reference to the last two digits of the Lab Sample Number.

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inve n-tory	QUAL	BIAS
COC, Sample Delivery Group Form.	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects 3) preserved per method (amber bottles, temperature, HCl (aq), MeOH/NAHSO4 (soils) (J, UJ, or R (function of HT and compound)	Cooler temperatures < 6 °C in all 8 coolers. Sample preservation using ice adequate. Sample custody transferred from Field Team Leader to lab sample courier in person. Unbroken Chain of Custody. No samples qualified.	X	-	
Holding Time	1) 7 Days aqueous – 14 days soil (extract 40 days) 2) J –detects, UJ or R –nondetects (function of time)	Sent on dates: June 1st & 2nd, 2004. Extracted on: June 4th, 2004. Analysed on: June 11 and 12, 2004. Sample prepared/analyzed within holding times. No samples qualified.	X	-	
% Solids Check (SOLIDS)	30%<Solids: if no sample weight adjustment made (no USACE) 1) <10% R entire sample 2) 10%.> and <30%; J-detects, NDs -R	Not applicable	-	-	
Results > Cal Range or <Cal Range	1) >Upper Cal Range J-detects - ensure instrument blank performed 2) <PQL but >MDL – J –detects (estimated)	Data reported between the MDL and the MRL is qualified as estimated (J). No results outside calibration range. See attached data summary tables.	X	-	
TICs (if reported)	1) *verify library search for samples and blanks	None Reported	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inve n-tory	QUAL	BIA S
Internal Stds	1) IS are –50% to 200% of CCV 1) RRT<0.06 (30 sec) 2) IS>100% J-detects 3) IS<20%CCV NDs – R 4) IS>20%CCV <50%CCV NDs – UJ 5) *check for IS transcription errors	Internal standards are within MPC limits. No samples qualified.	X	-	
Equip Blank	< 5x (<10x common) contaminants for aq samples – for soil indicate EB (X rules don't apply)	Dedicated equipment – hence not collected/analyzed with this SDG.	X	-	
Surrogates	Within historical laboratory limits Qualification: >UCL J –detects, %R<10% J –detects, R –NDs, %R >10% but <LCL% J-detects, UJ NDs	Surrogate phenol-d6 lab criterion is low (15%), but there is no Navy criteria for this surrogate in aqueous SVOCs. No action taken based upon this surrogate. All surrogate recoveries within MPC limits except for 2-FBP in sample 07. Since the recoveries for the other base/neutral surrogates are within MPC limits, no samples are qualified.	X	-	
Lab Blanks (method blanks)	1) < 5x (<10x common) contaminants – U 2) analytes <lab PQL (contract lab) 3) no phthalates >5X QL (QAPP)	Lab blank is non-detect for all reported SVOCs. No samples qualified.	X	-	
LCS Recovery	1) Within historical laboratory limits listed in (QAPP) 10% and <LCL% J detects, UJ –NDs >UCL% J detects <10% R NDs, J-detects	All LCS recoveries within MPC limits except for 2, 4-dimethyl phenol. Results for this compound - all non-detects – are qualified UJ.	X	2, 4-dimethyl phenol results qualified UJ.	
MS/MSD Recovery	1) Within historical laboratory limits (QAPP) (if MS > 4X native levels) Qualification of MS sample: <10% J detects, R NDs >10% and <70% J detects, UJ -NDs >130% J detects	Native sample ID – sample 01. All MS/MSD recoveries within MPC limits – no samples qualified.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inve n-tory	QUAL	BIAS
Cleanup Performance Check (if performed)	%R< 10% NDs-R detections J %R>10% <LCL (80%GPC) –detections J, NDs UJ %R>UCL (120%) – detections J Retention Time shift <5%, symmetrical peakshape. GPC check with interferants. Good surrogate recovery, GPC blank check – no carryover.(VOA/SV-IX-I6). Sulfur and High MW compounds removed. Symetrical peaks for all compounds,	NA	-	-	
MS/MSD RPD	RPD =30% aq, <50% (S) J –detects in MS sample UJ-non detects	MS/MSD RPDs within MPC limits for all SVOCs. No samples qualified.	X	-	
Tune Check	Tune check within method parameters for DFTPP	The raw data sheets were used for validation. CCV tune check within method limits.	X	-	
DDT degradation Instrument performance check	1) Breakdown <20% DDT 2) benzidine and pentachlorophenol at normal response - no peak trailing (<3.0 benz. , <5.0 penta.) Detections – J	Degradation checks performed with associated tune checks are all within MPC limits.	X	-	
Field Dup RPD	1) RPD = 100% water; = 100% soil for Results > PQL (FD pair only) J-detects (both > PQL) 2) If one > PQL, other ND, J-detections, UJ non-detect 3) Other conditions use judgement	Sample-field duplicate pair for this SDG – samples 01 & 02. All results non-detects for all SVOCs in the 2 samples of the pair. No samples qualified.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inve n-tory	QUAL	BIAS
Initial Cal (Linearity)	Correct calibration stds %RSD < 15% use average RF for calibration %RSD> 15% use least squares COD (r2) > 0.990 or correlation coefficient r> 0.995 or alternatively mean %RSD <15% for all target analytes, with no analyte %RSD>30% or %RSD<30% each target analyte 1) CCCs %RSD: <30% (acenatphthene, 1,4 dichlorobenzene, hexachlorobutadiene, dipheynlamin, di-n-octyl phthalate, fluoranthene, benzo(a)pyrene, 4-chloro-3-methylphenol, 2,4, dichlorophenol, 2-nitrophenol, phenol, pentachlorophenol, 2,4,6 trichlorophenol) J –detects, R or UJ NDs all samples associated with Ical)	Instrument: Buffy Date: 11 June, 2004 at 02:04 (end time). RRF>0.05 all SVOCs. RSD<15% and/or COD>0.99 criteria used for linearity of SVOC Ical. No samples qualified based on ICAL.	X	-	
2nd Source ICV	%R (between ICV and Ical) analytes 80%--120% (USACE) %D ≤ 25%, (+ or -) once per 5 pt cal Qualification: J detects, R or UJ NDs	ICV for instrument Buffy. Date: 11 June 2004 at 02:29 (inj. time). All %Ds within MPC limits for all compounds.	X		
CCV	1) SPCCs Average RRF: SPCCs n-nitroso-di-n-propylamine, hexachlorcyclopentdiene, 2,4 dinitrophenol, 4-nitrophenol. 2) RRF all compounds > 0.05 3) CCC: (acenatphthene, 1,4 dichlorobenzene, hexachlorobutadiene, dipheynlamin, di-n-octyl phthalate, fluoranthene, benzo(a)pyrene, 4-chloro-3-methylphenol, 2,4, dichlorophenol, 2-nitrophenol, phenol, pentachlorophenol, 2,4,6 trichlorophenol) 4) %D<20%. CCCs (QAPP -except surrogates). 5) Qualification-J detects, R or UJ Nods 6) %D<25% all compounds (Tier I). 7) RRF exclusions: surrogates, 8) *verify same instrument and parameters 9) *Recalculate RRF for one tgt cmpd associated with each IS. (within 10%) 10) *Recalculate %D for one tgt cmpd associated with each IS (within 10%) 11) *IS RRT<0.06 units (30 sec) 12) * IS area -50 % to 100 % of last ICAL 13) *option-review preparation logs to ensure cal stds are traceable to NIST stds. 14) *option-recalculate cal std concentration of one std. Must agree within 10% of lab (option if information is in data package)	CCV on 11 & 12 June 2004. %D within MPC limits for all SVOC's of concern – no sample qualifications.	X	-	
Compound Quantitation	1) Check sensitivy (MDL< 1/3 PQL or per QAPP)	For target SVOCs the MDL< ½ RDL. MDL < 1/3 RDL for most of the compounds. Analytical sensitivity is adequate.	X	-	

ECC Region I Data Review Worksheet (rv 2) **SVOCs 8270C**
Project: New London Area A ECC Job No. 5700 **Review Criteria: Region I Tier II Guidance & OM Manual (2002)**

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inve n-tory	QUAL	BIA S
Overall Evaluation of Data	1) Appropriate method 2) Evaluate any analytical problems 3) Evaluate sampling errors – field contamination, sample hold times	The laboratory accuracy and precision are acceptable and no apparent sample bias. Results are usable for making project decisions as qualified Method blank; non-detect for all SVOCs. Surrogate and MS/MSD recoveries within MPC limits. MS/MSD RPDs within MPC limits. Low LCS recovery for 2, 4-dimethylphenol. ICAL; linear. ICV: within limits for all SVOCs. CCV: within MPC limits. Sampling error- FD pair consists of samples 01 & 02. All results are non-detects in both samples. Similar results - sampling precision acceptable.	X	-	

*Tier III criteria.

Completeness Check: Inventory Check Sheet____X__ Sample Quantitation Calculations (TIER III ONLY):

ECC Region I Data Review Worksheet (rv 2) **PAH 8270C - SIM**
Project: New London Area A ECC Job No. 5700 **Review Criteria: Region I Tier II Guidance & OM Manual(2002)**

Data Validation Level	Matrix	Preservation	Temperature Sample Receipt	Laboratory	SDG Number
Tier II	Aqueous	-	8-coolers 0.8, 1.2, 2.2, 1.9, 4.6, 1.2, 1.9 & 4.6 °C	Alpha Laboratory Westborough, MA	0405940

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
2-SW19-02	L0405940-01
60204	L0405940-02
3-GW37S-02	L0405940-03
3-SP01-02	L0405940-04
2-SW23-02	L0405940-05
3-GW12D-02	L0405940-06
2-GW45DS-02	L0405940-07
2-SW22-02	L0405940-08
2-SW21-02	L0405940-09
2-GW46DS-02	L0405940-10
2-SW18-02	L0405940-11
2-GW40DS-02	L0405940-12
2-GW39DS-02	L0405940-13

Note: Samples are described below in the data worksheets by reference to the last two digits of the Lab Sample Number.

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED	Inven-tory	QUAL	BIAS
COC, Sample Delivery Group Form.	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects 3) preserved per method (amber bottles, temperature, HCl (aq), MeOH/NAHSO4 (soils) (J, UJ, or R (function of HT and compound)	Cooler temperatures < 6 °C in all 8 coolers. Sample preservation using ice adequate. Sample custody transferred from Field Team Leader to lab sample courier in person. Unbroken Chain of Custody. No samples qualified.	X	-	
Holding Time	1) 7 Days water, 40 to analysis 2) J –detects, UJ or R –nondetects (function of time)	Sent on dates: June 1st & 2nd, 2004. Extracted on: June 4th, 2004. Analysed on: June 9 and 10, 2004. Sample prepared/analyzed within holding times. No samples qualified.	X	-	
% Solids Check (SOLIDS)	30%<Solids: if no sample weight adjustment made (no USACE) 1) <10% R entire sample 2) 10%.> and <30%; J-detects, NDs -R	Not applicable	-	-	
Results > Cal Range or <Cal Range	1) >Upper Cal Range J-detects - ensure instrument blank performed 2) <PQL but >MDL – J –detects (estimated)	Results between MDL and MRL are qualified as estimated (J). Please see attached data summary tables for all such results. No results exceeding upper calibration range.	X	Results between MDL and MRL are qualified J.	
Equip Blank	< 5x (<10x common) contaminants for aq samples – for soil indicate EB (X rules don't apply)	Not applicable. Equipment blank not collected/analyzed with this SDG as all equipment are dedicated.	-	-	

ECC Region I Data Review Worksheet (rv 2) **PAH 8270C - SIM**
Project: New London Area A ECC Job No. 5700 **Review Criteria: Region I Tier II Guidance & OM Manual(2002)**

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED	Inven-tory	QUAL	BIAS
Surrogates	1) Surrogate acceptance limits Carbazole & p-Terphenly-d14 within QAPP limits. Qualification: >UCL J –detects, %R<10% J –detects, R –NDs, %R >10% but <60% J-detects, UJ NDs	All surrogate recoveries within MPC limits except 2-FBP in sample 07. Results for sample 07 – all non-detects – are qualified UJ.	X	-	
Lab Blanks (method blanks)	1) < 5x (<10x common) contaminants – U 2) analytes <lab PQL (contract lab)	All method blanks were non-detects for PAHs. No samples qualified.	X	-	
LCS Recovery	1) QAPP limits 10% and <LCL% J detects, UJ -NDs >UCL% J detects <10% R NDs, J-detects	LCS %R within MPC limits. No samples qualified.	X	-	
MS/MSD Recovery	1) QAPP limits (if MS > 4X native levels) Qualification of MS sample: <10% J detects, R NDs >10% and <70% J detects, UJ -NDs >130% J detects	Native sample – sample 01 (part of this SDG). MS/MSD %R's within MPC limits. No samples qualified.	X	-	
MS/MSD RPD	RPD =30% solid, 30%. J –detects in MS sample UJ-non detects	MS/MSD RPD within MPC limits for all compounds. No samples qualified. Laboratory precision acceptable.	X		
Cleanup Performance Check (if performed)	%R< 10% NDs-R detections J %R>10% <LCL (80%GPC) –detections J, NDs UJ %R>UCL (120%) – detections J Retention Time shift <5%, symmetrical peakshape. GPC check with interferants.	NA	-	-	
Retention times	Within 3X standard deviation for each analyte from 72-hour study Exceeds: R qualify data	Retention times within limits.	X	-	
Field Dup RPD	1) RPD = 100% water & soil for Results > X PQL (FD pair only) J-detects (both > X PQL) 2) If one >X PQL, other ND, J-detections, UJ non-detect 3) Other conditions use judgement	One FD pair was analyzed with this SDG - samples 01-02. See Field Duplicate Worksheet for detected compounds and RPDs. RPDs outside MPC limits for acenaphthene, fluoranthene, naphthalene, benzo(a)anthracene, benzo(k)fluoranthene, chrysene, phenanthrene and pyrene.	X	Sample 01 results qualified J and sample 02 results qualified UJ for acenaphthene, fluoranthene, naphthalene, benzo(a)anthracene, benzo(k)fluoranthene, chrysene, phenanthrene and pyrene.	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED	Inven-tory	QUAL	BIAS
Initial Cal (Linearity)	Correct calibration stds %RSD < 15% use average RF for calibration %RSD> 15% use least squares COD (r2) > 0.990 or correlation coefficient r> 0.995 or alternatively mean %RSD <15% for all target analytes, with no analyte %RSD>30% Resolution check mix –valley 60% hgt of shortest peak (CLP criteria only) Performance check mix - >90% (PEM) (CLP criteria only) SW-846 PEM –endrn/DDT breakdown evaluation. Blank and Performance Evaluation Mix (PEM) at start, and blank and midpoint Individual Standard Mix A (ISMA) and ISMB at end or samples(CLP only)	16 April 2004 at 15:34 (end time). Instrument – Mindy %RSD<20% ICAl linear. No samples qualified RRF>0.05	X	-	
2nd Source ICV	%R (between ICV and Ical) analytes %D ≤ 25%, (+ or -) once per 5 pt cal Qualification: J detects, R or UJ NDs	16 April 2004 at 16:18 (end time). Instrument – Mindy ICV %D marginally outside MPC limits for pyrene, benzo(a)anthracene, benzo(b)fluoranthene & benzo(k)fluoranthene. Results for these compounds are qualified with J for detections and UJ for non-detects.	X	Pyrene, benzo(a)anthracene, benzo(b)fluoranthene & benzo(k)fluoranthene results qualified with J for detections and UJ for non-detects.	
CCV	1) 20% of initial calib. Curve (80%-120%) If low re-calibrate per method. If high no recalibration needed. J qualify data. 2) 20% D 3) Qualification-J detects, R or UJ NDs	Date: 9 (01-08) & 10 (08-13) June 2004. %D > 15% on June 9 for acenaphthene and phenanthrene. Results in samples 01-08 for these compounds are qualified J for detects and UJ for non-detects. %D > 15% on June 10 for phenanthrene and dibenzo(a,h)anthracene. Results in samples 09-13 for these compounds are qualified J for detects and UJ for non-detects.	X	Following results are qualified with J for detects and UJ for non-detects: All phenanthrene results, acenaphthene results in samples 01-08 and dibenzo(a,h)anthracene results in samples 09-13.	
Tune Check	Tune check within method parameters for DFTPP	Ical tune check within limits. And CCV tune check within limits. No samples qualified. Degradation checks associated with sample analysis and ICAL tune checks with limits.	X	-	

ECC Region I Data Review Worksheet (rv 2) **PAH 8270C - SIM**
Project: New London Area A ECC Job No. 5700 **Review Criteria: Region I Tier II Guidance & OM Manual(2002)**

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED	Inven-tory	QUAL	BIAS
Internal Stds	1) IS are –50% to 200% of CCV 1) RRT<0.06 (30 sec) 2) IS>100% J-detects 3) IS<20%CCV NDs – R 4) IS>20%CCV <50%CCV NDs – UJ 5) *check for IS transcription errors	Internal standards are within MPC limits. No samples qualified.	X	-	
Sensitivity	1) MDL study – 7 replicates (40 CFR) 2) Surrogates %R 80-120%, 2) %R <10 ND- (R) , J- detects 3) 10%> but <80% , judgement 4) %R>120% J-detects 5) QC, RRT meet criteria, 6) %RSD < 20% 7) MDL< MQL (3x less ideal) 8) Lab fortified blank (see VOA/SV Part II –section X). 9) *Check and recalculate %RSDs and %R for three compounds (with 10% of lab)	Reporting limit is less than the primary monitoring criteria for all compounds. MDL < 1/3 RDL – acceptable sensitivity.	X	-	
Compound Quantitation	1) Check sensitivy (MDL< 1/3 PQL or per QAPP)	MDL < 1/3 RDL. Acceptable sensitivity for all compounds. No samples qualified.	X	-	
Overall Evaluation of Data	1) Appropriate method 2) Evaluate any analytical problems 3) Evaluate sampling errors – field contamination, sample hold times	The laboratory accuracy and precision are acceptable. No apparent sample bias. Data are usable for project decisions. ICAL is linear. ICV: %D outside MPC limits for pyrene, benzo(a)anthracene, benzo(b)fluoranthene & benzo(k)fluoranthene. CCV; %D outside MPC limits for phenanthrene and acenaphthene in the first run associated with samples 01-08 and for phenanthrene and dibenzo(a,h)anthracene in the second run associated with samples 09-13. Results that are < MRL but >MDL are qualified J. Please see attached data summary sheet for such results. No results that exceed upper calibration range. Sampling error - RPDs outside MPC limits for acenaphthene, fluoranthene, naphthalene, benzo(a)anthracene, benzo(k)fluoranthene, chrysene, phenanthrene and pyrene. For RPD values please see attached Field Duplicate Worksheet.	X	-	

(*Tier III criteria)

Completeness Check: Inventory Check Sheet_____X__ Sample Quantitation Calculations (TIER III ONLY):

ECC Region I Data Review Worksheet (rv 2)
Project: New London Area A - ECC Job No. 5700

Metals 6010B/6020A/7470A
Review Criteria: Region I Tier II Guidance & OM Manual(2002)

Data Validation Level	Matrix	Preservation	Temperature Sample Receipt	Laboratory	SDG Number
Tier II	Aqueous	HNO3	8-coolers 0.8, 1.2, 2.2, 1.9, 4.6, 1.2, 1.9 & 4.6 °C	Alpha Laboratory Westborough, MA	0405940

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
2-SW19-02	L0405940-01
60204	L0405940-02
3-GW37S-02	L0405940-03
3-SP01-02	L0405940-04
2-SW23-02	L0405940-05
3-GW12D-02	L0405940-06
2-GW45DS-02	L0405940-07
2-SW22-02	L0405940-08
2-SW21-02	L0405940-09
2-GW46DS-02	L0405940-10
2-SW18-02	L0405940-11
2-GW40DS-02	L0405940-12
2-GW39DS-02	L0405940-13

Al, Ca, Mg, Mn, Fe, Na & K are analyzed by 6010B, Hg by 7470A and all other metals are analyzed by 6020A.
Note: Samples are described below in the data worksheets by reference to the last two digits of the Lab Sample Number.

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
COC, Sample Delivery Group Form.	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects preserved per method (amber bottles, temperature, HCl (aq), MeOH/NAHSO4 (soils) (J, UJ, or R (function of HT and compound)	Cooler temperatures < 6 °C in all 8 coolers. Sample preservation using ice adequate. Sample custody transferred from Field Team Leader to lab sample courier in person. Unbroken Chain of Custody. Samples 07, 10 & 12 had pH >2 but were preserved by the lab on receipt. No samples qualified.	X	-	
Holding Time	1) 180 days (6010), Hg 28 Days to analysis 2) J –detects, UJ or R –nondetects (function of time)	Sent on: June 1 & 2, 2004. Extracted on: June 4, 2004. Analyzed on: June 7 & 9, 2004. Samples analyzed within holding time. No samples qualified.	X	-	
Lab Duplicate	1) RPD < 20% 1) If both values > PQL 2) Qualify samples in batch: detects J, NDs UJ	Native sample – sample 01 for total metals and dissolved metals. RPD's for total Mo, total Cd and total Tl are outside MPC limits. Since exceedances are marginal native sample qualified J for above metals, if not qualified U due to blank contamination – total Cd is the only result qualified J.	X	Total Cd qualified J for sample 01.	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
LCS Recovery	1) once per sample batch 2) 75-125% water, soil, QAPP limits. 3) <LCL% Reject 4) >UCL% detects J	LCS %R's acceptable. No samples qualified.	X	-	
Field Dup RPD	1) RPD = 50% water & soil for Results > X PQL (FD pair only) J-detects (both > X PQL) 2) If one >X PQL, other ND, J-detections, UJ non-detect	FD pair consists of samples 01 & 02. All RPDs within MPC limits for all dissolved metals results. RPD's ouside MPC limits for As, Cd, Cu, Pb, Ni, V, Zn, Al & Fe in total metals. Only the native sample and duplicate are qualified as the RPD's are within limits for dissolved metals results for the same metals.	X	As, Cd, Cu, Pb, Ni, V, Zn, Al & Fe results for total metals qualified J for detects and UJ for non-detects in samples 01 & 02.	
% Solids Check (SOLIDS)	30%<Solids: if no sample weight adjustment made 1) <10% R entire sample 2) 10%.> and <30%; J-detects, NDs -R	Not applicable	-	-	
Results > Cal Range or <Cal Range	1) >Upper Cal Range J-detects - ensure instrument blank performed 2) <PQL but >MDL – J –detects (estimated)	Results less than the method reporting limits and greater than the method detection limit are qualified J. See data summary table.	X	Results < MRL but > MDL are qualified J.	
Lab Blanks (method blank or p reparation blank)	1) Once per sample batch 2) Results> QL; sample results <5X ; sample result U (nd) 3) Sample results >5X blank level; no action	The following qualifications were necessary: (all values below in mg/L) Dissolved metals: Cd – 0.00009, < 0.00045 qualified U – all detections - samples 03, 04, 06, 09, 10 & 13 qualified U) Cr – 0.00005 (<0.00025 qualified U – samples 01, 02, 04, 05, 06, 08 & 09 qualified U) Pb – 0.0002, < 0.001 qualified U – all results qualified U. Se – 0.0003, < 0.0015 qualified U – detections in 03, 04, 08 & 13 qualified U. Zn – 0.00068, < 0.0034 qualified U – samples 02, 10, 12 & 13 qualified U. Total metals: Cr – 0.00007 (<0.00035 qualified U – samples 03 & 06) Ag – 0.00015, < 0.00075 qualified U – all samples qualified U.	X	Dissolved metals: Cd in samples 03, 04, 06, 09, 10 & 13, Cr in samples 01, 02, 04, 05, 06, 08 & 09, Pb in all samples, Se in samples 03, 04, 08 & 13 and Zn in samples 02, 10, 12 & 13 are qualified U. Total metals: Cr in samples 03 & 06 and Ag in all samples are	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
				qualified U.	
MS Recovery	1) 75-125% GFAA/ICP if MS > 4X native levels) Qualification of MS sample: 2) <30% J detects, R NDs 3) 30%--74%, detects J, NDs UJ >125% J detects	Native sample – sample 01 for total metals and dissolved metals. MS %R's outside MPC limits (high) for total iron. All detections for total Fe qualified J.	X	All total Fe results qualified J.	
Sensitivity*	1) MDL study – 7 replicates (40 CFR) 2) Surrogates %R 80-120%, 1) %R <10 ND- (R) , J- detects 2) 10%> but <80% , judgement 3) %R>120% J-detects 4) %RSD < 20% 5) MDL< MQL (3x less ideal) 6) Lab fortitied blank (see VOA/SV Part II – section X). 7) *Check and recalculate %RSDs and %R fir three compounds (with 10% of lab)	Lab RL < OM RL and selected criterion for all metals.	X	-	
Equip Blank	< 5x contaminants for aq samples – for soil indicate EB (X rules don't apply)	Equipment blank not collected/analyzed with this SDG.	-	-	
Negative blanks	If negative values are reported for an analyte with absolute value >DL and sample value is <5X the absolute value of the blank or is nondetect Qualify detects as estimated (J) Nondetects as estimated (UJ)	No analyte detections for target metals All negative blanks<DL. No samples qualified.	X	-	
Initial Cal Multipoint	1) 6010: 1 std and blank and low-level check at MQL – check std 20% 2) 3 stds and a blank- R = 0.995	ICAL performed according to method. Two point calibration and check standards. The pre-analysis check standard was within limits.	X	-	
Initial Calibration Blanks	1) Ical blank after Ical 2) Results > QL; sample results <5X ; sample result U (nd) 3) Sample results >5X blank level; no action	Two sets of runs were performed for method 6020A. In the initial runs (run1) samples 07, 10 & 12 in case of total metals and 07, 10, 11 & 12 in case of dissolved metals had QC failures. Reanalyses had dilution factor of 5X. The following qualifications were necessary: (all results below in mg/L) Dissolved metals: Sb – 0.00005, <0.00025 qualified U – samples 01, 02, 03, 05, 06, 08, 09 & 13 were qualified U. Run 2 – 0.00003, < 0.00075 qualified U – sample 07 qualified U. Be – 0.00004 < 0.0002 qualified U – samples 02, 03, 06 & 09 qualified U. Ni – Run 2 - 0.00023, < 0.00575 qualified U. Samples 07, 10, 11 & 12 qualified U. Ag – 0.00005, < 0.00025 qualified U. Sample 13 qualified U. Total metals: Sb – 0.00005, <0.00025 qualified U – samples 03, 06 & 12 were qualified U. Run	X	Dissolved metals: Sb in samples 01, 02, 03, 05, 06, 07, 08, 09 & 13, Be in samples 02, 03, 06 & 09, Ni in samples 07, 10, 11 & 12 and Ag in sample 13 are qualified U. Total metals: Sb in samples 03, 06, 07 & 12, Be in samples 01, 02, 03, 04,	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
		2 – 0.00003, < 0.00075 qualified U – sample 07 qualified U. Be – 0.00004 < 0.0002 qualified U – all applicable samples for run1qualified U. Cd – Run2 - 0.00005, < 0.00025 qualified U – sample 07 qualified U. Pb – 0.00006, <0.0015 qualified U – samples 07, 10 & 12 qualified U. Tl – 0.00004, < 0.0002 qualified U – all samples except sample 3 qualified U.		05, 06, 08, 09, 11 & 13, Cd in sample 07, Pb in samples 07, 10 & 12 and Tl in all samples except 03 are qualified U.	
Continuing Calibration Blanks	1) CCB every 10 samples end of run 2) Results > QL; sample results <5X ; sample result U (nd) 3) Sample results >5X blank level; no action	Two sets of runs were performed for method 6020A. In the initial runs (run1) samples 07, 10 & 12 in case of total metals and 07, 10, 11 & 12 in case of dissolved metals had QC failures. Reanalyses had dilution factor of 5X. The following qualifications were necessary: (all results below in mg/L) Dissolved metals: As – 0.00011, <0.00055 qualified U – samples 01, 02, 03, 04, 05, 08, 09 & 13 were qualified U. Co – 0.00007, < 0.00028 qualified U – samples 01, 02, 09 & 13 qualified U. Run2 – 0.00005, < 0.00125 qualified U – samples 7, 10, 11 & 12 qualified U. Mo – 0.00017, < 0.00085 qualified U – all applicable samples except 03 qualified U. Run2 – 0.00011, < 0.00055 qualified U – all samples except 12 qualified U. Ag – Run2 – 0.00007, < 0.00175 qualified U – samples 07 & 10 qualified U. Tl – 0.00003, < 0.00015 qualified U – sample 04 qualified U. V – 0.00008, < 0.0004 qualified U – samples 01, 02, 03, 04, 05, 06, 08 & 09 qualified U. Total metals: As – 0.00011, <0.00055 qualified U – samples 03, 05 & 13 were qualified U. Be – 0.00004, < 0.0002 qualified U in all samples applicable to run 1. Run2 – 0.00003, < 0.00015 were qualified U – all detections in applicable samples qualified U. Cd – 0.00002, < 0.0001 qualified U – detections (samples 02 & 06) qualified U. Co – 0.00007, < 0.00028 qualified U – samples 01, 02, 09 & 13 qualified U. Run2 – 0.00003, < 0.00075 qualified U – sample 7 qualified U. Pb – 0.00008, < 0.0004 qualified U – samples 03, 06 & 13 qualified U. Mo – 0.00017, < 0.00085 qualified U – all applicable samples except 03 & 08 qualified U. Run2 – 0.00013, < 0.00325	X	Dissolved metals: As in samples 01, 02, 03, 04, 05, 08, 09 & 13, Co in samples 01, 02, 07, 09, 10, 11, 12 & 13, Mo in all samples except 03 & 12, Ag in samples 07 & 10, Tl in sample 04 and V in samples 01, 02, 03, 04, 05, 06, 08 & 09 are qualified U. Total metals: As in samples 03, 05 & 13, all Be detections, Cd in samples 02 & 06, Co in samples 01, 02, 07, 09 & 13, Pb in samples 03, 06 & 13, Mo in all samples except 03 & 08, Ni in sample 07, Se in samples 07 & 12, Ag in samples 07, 10 & 12 and V in	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
		qualified U – all applicable samples (07, 10 & 12) qualified U. Ni – Run2 – 0.00016, < 0.004 qualified U – sample 07 qualified U. Se – Run2 - 0.00133, < 0.03325 qualified U – samples 07 & 12 qualified U. Ag – Run2 - 0.00009, < 0.00225 qualified U – samples 07, 10 & 12 qualified U. V – 0.00008, < 0.0004 qualified U – sample 03 qualified U.		sample 03 qualified U.	
Serial Dilution	1) once per digestion batch 2) Meets method limits (RPD 10%). 3) Metal results >50X MDL levels.	SD on native sample 01. %D's within limits for site COCs. No apparent matrix bias.	X	-	
Interelement checks ICS-A, ICS-AB Instrument performance check	1) start of sequence 2) 80-120% target analytes 3) >120% ; detects J (ICS-AB) 4) 50%-79% R ICS-AB; detects J, NDs – UJ 5) <50% R – reject data 6) ICS-A response > DL and samples have <5X ICS-A response: detects J	ICS's %R's within limits for COC elements. No samples qualified.	X	-	
2nd Source ICV	1) following calibration 2) 90- 110% Recovery (6010/7000) 3) 75%-89% R – detects J, NDs – UJ 4) 111-125% R – detects J 5) outside 75-125% R – reject data (R)	Within limits of MPC. No samples qualified.	X	-	
CCV	1) every 10 samples and end of run 2) 90- 110% Recovery (6010) Hg; 80-120% 3) 6010: 75%-89% R Hg, 65-79% R; – detects J, NDs – UJ. 4) 6010: 111-125%, Hg: 121-135% detects J 5) 6010: outside 75-125%, Hg; outside 65-135%; R – reject data (R)	Within limits of MPC. No samples qualified.	X	-	
Post Digestion Spike	1) 75- 125% R	PDS not performed as MS %R's within limits for Site COCs.	X	-	
*MDL Study	1) *In accordance with 40CFR – seven replicates %RSD < 20% 2) * IS and retention times within method requirements 3) * performed annually 4) *MDL is at least ½ of PQL *tgt and surrogate 80-120% R	NA	-	-	
*System Performance	1)* evaluate PES, MS//MSD, cal STDs, MDS study, and surrogates for systemic bias – high or low and access system accuracy 3) *Matrix effects- MS/MSD, surrogated, PDS. 4) *overall system contamination-review all blanks for systemic or sporadic contamination	NA	-	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
*Single Blind PE	1) Qualify associated samples in PES batch PES = ND, Detects J – ND PE analytes in samples, NDs – R 5) PES > acceptance criteria – Detects in samples J, 6) PES<acceptance criteria – Detects J, NDs –R 7) VOA/SV-XI14 other criteria 8) *% of PES sample above and below criteria 9) *Recalculate concentrations for one tgt compound per PES (10% of lab)	NA	-	-	
Overall Evaluation of Data	1) Appropriate method 2) Evaluate any analytical problems 3) Evaluate sampling errors – field contamination, sample hold times	Laboratory accuracy and precision is acceptable. Accuracy is shown by the LCS being within limits. The ICS-A, and ICS-AB were within limits for all elements. High MS recovery for total Fe. No apparent matrix bias for all other metals. Prep blank and ICB detections resulted in U qualifiers being assigned for many results. Please see above or the attached data summary tables for the list of results qualified. Lab duplicate RPD outside MPC limits for total Cd. ICAL; 2-point calibration – within MPC limits. ICV: within MPC limits. CCV: within MPC limits. Serial dilution: within MPC limits but not performed for many of the metals. Sampling error- FD pair – samples 01 & 02. As, Cd, Cu, Pb, Ni, V, Zn, Al & Fe results for total metals had RPD's outside MPC limits. Sampling precision acceptable for all other results. Please see attached field duplicate worksheet for the RPDs. Results > MDL but < RDL are qualified J – please see attached data summary tables for all such results. Sample results are usable for project decision making as qualified.	X	-	

*TIER III DATA VALIDATION ONLY Completeness Check: Inventory Check Sheet___X_Sample Quantitation Calculations (TIER III DATA VALIDATION ONLY):

Data Summary Table - Round 14 - June 2004 - Area A - SDG 0405940

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-SW19-02	2-Jun-04	L0405940-01	2320B	ALKALINITY, TOTAL	28		mg CaCO3	y	2	0.4	1
2-SW19-02	2-Jun-04	L0405940-01	2540C	SOLIDS, TOTAL DISSOLVED	210		mg/l	y	10	2.8	1
2-SW19-02	2-Jun-04	L0405940-01	2540D	SOLIDS, TOTAL SUSPENDED	32		mg/l	y	20		4
2-SW19-02	2-Jun-04	L0405940-01	9251	CHLORIDE	82		mg/l	y	1	0.36	1
2-SW19-02	2-Jun-04	L0405940-01	9038	SULFATE	4.3	J	mg/l	y	10	1.4	1
2-SW19-02	2-Jun-04	L0405940-01	5220D	CHEMICAL OXYGEN DEMAND	40		mg/l	y	20	4 2	1
2-SW19-02	2-Jun-04	L0405940-01	9060	TOTAL ORGANIC CARBON	7 5		mg/l	y	2 5	0 22	5
2-SW19-02	2-Jun-04	L0405940-01	2340B	HARDNESS	42		mg/l	y	1.7		1
2-SW19-02	2-Jun-04	L0405940-01	6010B	ALUMINUM, TOTAL	0.55	J	mg/l	y	0.1	0.019	1
2-SW19-02	2-Jun-04	L0405940-01	6020A	ANTIMONY, TOTAL	0.0011		mg/l	y	0.001	0.000022	1
2-SW19-02	2-Jun-04	L0405940-01	6020A	ARSENIC, TOTAL	0.0029	J	mg/l	y	0.001	0 000034	1
2-SW19-02	2-Jun-04	L0405940-01	6020A	BARIUM, TOTAL	0 0513		mg/l	y	0 001	0 000038	1
2-SW19-02	2-Jun-04	L0405940-01	6020A	BERYLLIUM, TOTAL	0.00015	U	mg/l	n	0 001	0 000015	1
2-SW19-02	2-Jun-04	L0405940-01	6020A	CADMIUM, TOTAL	0 0002	J	mg/l	y	0 0001	0.000034	1
2-SW19-02	2-Jun-04	L0405940-01	6010B	CALCIUM, TOTAL	12		mg/l	y	0.1	0.015	1
2-SW19-02	2-Jun-04	L0405940-01	6020A	CHROMIUM, TOTAL	0 002		mg/l	y	0 001	0 000031	1
2-SW19-02	2-Jun-04	L0405940-01	6020A	COBALT, TOTAL	0 001		mg/l	y	0 001	0 000017	1
2-SW19-02	2-Jun-04	L0405940-01	6020A	COPPER, TOTAL	0.0127	J	mg/l	y	0 001	0 000172	1
2-SW19-02	2-Jun-04	L0405940-01	6010B	IRON, TOTAL	42	J	mg/l	y	0 05	0.013	1
2-SW19-02	2-Jun-04	L0405940-01	6020A	LEAD, TOTAL	0.0055	J	mg/l	y	0 0005	0 000028	1
2-SW19-02	2-Jun-04	L0405940-01	6010B	MAGNESIUM, TOTAL	3 1		mg/l	y	0 1	0 014	1
2-SW19-02	2-Jun-04	L0405940-01	6010B	MANGANESE, TOTAL	0 16		mg/l	y	0 01	0 0006	1
2-SW19-02	2-Jun-04	L0405940-01	7470A	MERCURY, TOTAL	4 3E-05	J	mg/l	y	0 0002	0 000012	1
2-SW19-02	2-Jun-04	L0405940-01	6020A	MOLYBDENUM, TOTAL	0 0005	U	mg/l	n	0.001	0.00003	1
2-SW19-02	2-Jun-04	L0405940-01	6020A	NICKEL, TOTAL	0.004	J	mg/l	y	0 001	0 000024	1
2-SW19-02	2-Jun-04	L0405940-01	6010B	POTASSIUM, TOTAL	3 8		mg/l	y	2 5	0.094	1
2-SW19-02	2-Jun-04	L0405940-01	6020A	SELENIUM, TOTAL	0.00035	J	mg/l	y	0 002	0 000298	1
2-SW19-02	2-Jun-04	L0405940-01	6020A	SILVER, TOTAL	0 00008	U	mg/l	n	0 001	0 000025	1
2-SW19-02	2-Jun-04	L0405940-01	6010B	SODIUM, TOTAL	52		mg/l	y	10	1.6	5
2-SW19-02	2-Jun-04	L0405940-01	6020A	THALLIUM, TOTAL	0.00006	U	mg/l	n	0 001	0.000026	1
2-SW19-02	2-Jun-04	L0405940-01	6020A	VANADIUM, TOTAL	0 0116	J	mg/l	y	0 001	0 00003	1
2-SW19-02	2-Jun-04	L0405940-01	6020A	ZINC, TOTAL	0 0909	J	mg/l	y	0 005	0 000298	1
2-SW19-02	2-Jun-04	L0405940-01	6010B	ALUMINUM, DISSOLVED		U	mg/l	n	0.1	0.019	1
2-SW19-02	2-Jun-04	L0405940-01	6020A	ANTIMONY, DISSOLVED	0 00007	U	mg/l	n	0 001	0 000022	1
2-SW19-02	2-Jun-04	L0405940-01	6020A	ARSENIC, DISSOLVED	0 00039	U	mg/l	n	0 001	0 000034	1
2-SW19-02	2-Jun-04	L0405940-01	6020A	BARIUM, DISSOLVED	0 0214		mg/l	y	0 001	0.000038	1
2-SW19-02	2-Jun-04	L0405940-01	6020A	BERYLLIUM, DISSOLVED		U	mg/l	n	0 001	0 000015	1
2-SW19-02	2-Jun-04	L0405940-01	6020A	CADMIUM, DISSOLVED		U	mg/l	n	0.0001	0.000034	1
2-SW19-02	2-Jun-04	L0405940-01	6010B	CALCIUM, DISSOLVED	10		mg/l	y	0.1	0.015	1
2-SW19-02	2-Jun-04	L0405940-01	6020A	CHROMIUM, DISSOLVED	0 00018	U	mg/l	n	0 001	0 000031	1
2-SW19-02	2-Jun-04	L0405940-01	6020A	COBALT, DISSOLVED	0 00022	U	mg/l	n	0.001	0 000017	1
2-SW19-02	2-Jun-04	L0405940-01	6020A	COPPER, DISSOLVED	0 00039	J	mg/l	y	0.001	0 000172	1
2-SW19-02	2-Jun-04	L0405940-01	6010B	IRON, DISSOLVED	0 59		mg/l	y	0 05	0.013	1
2-SW19-02	2-Jun-04	L0405940-01	6020A	LEAD, DISSOLVED	0 00028	U	mg/l	n	0.0005	0 000028	1
2-SW19-02	2-Jun-04	L0405940-01	6010B	MAGNESIUM, DISSOLVED	2.9		mg/l	y	0 1	0.014	1
2-SW19-02	2-Jun-04	L0405940-01	6010B	MANGANESE, DISSOLVED	0 08		mg/l	y	0.01	0 0006	1
2-SW19-02	2-Jun-04	L0405940-01	7470A	MERCURY, DISSOLVED		U	mg/l	n	0 0002	0 000012	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-SW19-02	2-Jun-04	L0405940-01	6020A	MOLYBDENUM, DISSOLVED	0 00006	U	mg/l	n	0.001	0.00003	1
2-SW19-02	2-Jun-04	L0405940-01	6020A	NICKEL, DISSOLVED	0 00099	J	mg/l	y	0 001	0.000024	1
2-SW19-02	2-Jun-04	L0405940-01	6010B	POTASSIUM, DISSOLVED	2.7		mg/l	y	2 5	0.094	1
2-SW19-02	2-Jun-04	L0405940-01	6020A	SELENIUM, DISSOLVED		U	mg/l	n	0 002	0.000298	1
2-SW19-02	2-Jun-04	L0405940-01	6020A	SILVER, DISSOLVED		U	mg/l	n	0 001	0 000025	1
2-SW19-02	2-Jun-04	L0405940-01	6010B	SODIUM, DISSOLVED	53		mg/l	y	10	1 6	5
2-SW19-02	2-Jun-04	L0405940-01	6020A	THALLIUM, DISSOLVED		U	mg/l	n	0.001	0.000026	1
2-SW19-02	2-Jun-04	L0405940-01	6020A	VANADIUM, DISSOLVED	0 00015	U	mg/l	n	0.001	0.00003	1
2-SW19-02	2-Jun-04	L0405940-01	6020A	ZINC, DISSOLVED	0.0069		mg/l	y	0 005	0 000298	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	1,2,4-TRICHLOROBENZENE		U	ug/l	n	5	1.3	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	HEXACHLOROBENZENE		U	ug/l	n	5	1 6	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	BIS(2-CHLOROETHYL)ETHER		U	ug/l	n	5	1 3	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	1,2-DICHLOROBENZENE		U	ug/l	n	5	1 1	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	1,3-DICHLOROBENZENE		U	ug/l	n	5	1	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	1,4-DICHLOROBENZENE		U	ug/l	n	5	0 96	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	3,3'-DICHLOROBENZIDINE		U	ug/l	n	50	2 6	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	2,4-DINITROTOLUENE		U	ug/l	n	6	0.48	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	2,6-DINITROTOLUENE		U	ug/l	n	5	0.96	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	4-CHLOROPHENYL PHENYL ETHER		U	ug/l	n	5	0.96	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	4-BROMOPHENYL PHENYL ETHER		U	ug/l	n	5	0.99	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	ug/l	n	5	2 2	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	BIS(2-CHLOROETHOXY)METHANE		U	ug/l	n	5	1 6	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	HEXACHLOROBUTADIENE		U	ug/l	n	10	2 1	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	HEXACHLOROETHANE		U	ug/l	n	5	0 97	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	ISOPHORONE		U	ug/l	n	5	1 6	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	NITROBENZENE		U	ug/l	n	5	1.6	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	ug/l	n	15	4 2	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	N-NITROSODI-N-PROPYLAMINE		U	ug/l	n	5	1 6	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	BIS(2-ETHYLHEXYL)PHTHALATE		U	ug/l	n	10	1 6	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	BUTYL BENZYL PHTHALATE		U	ug/l	n	5	0.67	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	DI-N-BUTYLPHTHALATE		U	ug/l	n	5	0.5	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	DI-N-OCTYLPHTHALATE		U	ug/l	n	5	0.54	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	DIETHYL PHTHALATE		U	ug/l	n	5	1.6	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	DIMETHYL PHTHALATE		U	ug/l	n	5	1.6	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	4-CHLOROANILINE		U	ug/l	n	5	1.4	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	2-NITROANILINE		U	ug/l	n	5	1 1	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	3-NITROANILINE		U	ug/l	n	5	1.1	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	4-NITROANILINE		U	ug/l	n	7	1.3	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	DIBENZOFURAN		U	ug/l	n	5	0 92	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	2,4,6-TRICHLOROPHENOL		U	ug/l	n	5	1.2	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	P-CHLORO-M-CRESOL		U	ug/l	n	5	1 5	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	2-CHLOROPHENOL		U	ug/l	n	6	1 8	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	2,4-DICHLOROPHENOL		U	ug/l	n	10	2.1	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	2,4-DIMETHYLPHENOL		UJ	ug/l	n	10	3 1	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	2-NITROPHENOL		U	ug/l	n	20	2 3	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	4-NITROPHENOL		U	ug/l	n	10	1 6	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	2,4-DINITROPHENOL		U	ug/l	n	20	1	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-SW19-02	2-Jun-04	L0405940-01	8270C	4,6-DINITRO-O-CRESOL		U	ug/l	n	20	1.4	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	PENTACHLOROPHENOL		U	ug/l	n	20	1 6	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	PHENOL		U	ug/l	n	7	1 2	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	2-METHYLPHENOL		U	ug/l	n	6	1.5	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	3-METHYLPHENOL/4-METHYLPHENOL		U	ug/l	n	6	1.6	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	2,4,5-TRICHLOROPHENOL		U	ug/l	n	5	0.96	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	BENZOIC ACID		U	ug/l	n	50	0.99	1
2-SW19-02	2-Jun-04	L0405940-01	8270C	CARBAZOLE		U	ug/l	n	5	1.6	1
2-SW19-02	2-Jun-04	L0405940-01	8270C-SIM	ACENAPHTHENE	0 067	J	ug/l	y	0 2	0 036	1
2-SW19-02	2-Jun-04	L0405940-01	8270C-SIM	2-CHLORONAPHTHALENE		U	ug/l	n	0 2	0 042	1
2-SW19-02	2-Jun-04	L0405940-01	8270C-SIM	FLUORANTHENE	0.17	J	ug/l	y	0 2	0.04	1
2-SW19-02	2-Jun-04	L0405940-01	8270C-SIM	NAPHTHALENE	0.061	J	ug/l	y	0 2	0.031	1
2-SW19-02	2-Jun-04	L0405940-01	8270C-SIM	BENZO(A)ANTHRACENE	0 065	J	ug/l	y	0.2	0 038	1
2-SW19-02	2-Jun-04	L0405940-01	8270C-SIM	BENZO(A)PYRENE		U	ug/l	n	0 2	0.04	1
2-SW19-02	2-Jun-04	L0405940-01	8270C-SIM	BENZO(B)FLUORANTHENE		UJ	ug/l	n	0.2	0 05	1
2-SW19-02	2-Jun-04	L0405940-01	8270C-SIM	BENZO(K)FLUORANTHENE	0 11	J	ug/l	y	0.2	0.036	1
2-SW19-02	2-Jun-04	L0405940-01	8270C-SIM	CHRYSENE	0.09	J	ug/l	y	0 2	0 024	1
2-SW19-02	2-Jun-04	L0405940-01	8270C-SIM	ACENAPHTHYLENE		U	ug/l	n	0 2	0.03	1
2-SW19-02	2-Jun-04	L0405940-01	8270C-SIM	ANTHRACENE		U	ug/l	n	0.2	0 049	1
2-SW19-02	2-Jun-04	L0405940-01	8270C-SIM	BENZO(GHI)PERYLENE		U	ug/l	n	0 25	0 025	1
2-SW19-02	2-Jun-04	L0405940-01	8270C-SIM	FLUORENE		U	ug/l	n	0.2	0.024	1
2-SW19-02	2-Jun-04	L0405940-01	8270C-SIM	PHENANTHRENE	0.081	J	ug/l	y	0 2	0.031	1
2-SW19-02	2-Jun-04	L0405940-01	8270C-SIM	DIBENZO(A,H)ANTHRACENE		U	ug/l	n	0.2	0.017	1
2-SW19-02	2-Jun-04	L0405940-01	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	ug/l	n	0 2	0 026	1
2-SW19-02	2-Jun-04	L0405940-01	8270C-SIM	PYRENE	0.14	J	ug/l	y	0.2	0 046	1
2-SW19-02	2-Jun-04	L0405940-01	8270C-SIM	2-METHYLNAPHTHALENE		U	ug/l	n	0 2	0 036	1
60204	2-Jun-04	L0405940-02	2320B	ALKALINITY, TOTAL	28		mg CaCO3	y	2	0 4	1
60204	2-Jun-04	L0405940-02	2540C	SOLIDS, TOTAL DISSOLVED	200		mg/l	y	10	2.8	1
60204	2-Jun-04	L0405940-02	2540D	SOLIDS, TOTAL SUSPENDED	50		mg/l	y	20		4
60204	2-Jun-04	L0405940-02	9251	CHLORIDE	83		mg/l	y	1	0.36	1
60204	2-Jun-04	L0405940-02	9038	SULFATE	4 6	J	mg/l	y	10	1.4	1
60204	2-Jun-04	L0405940-02	5220D	CHEMICAL OXYGEN DEMAND	31		mg/l	y	20	4.2	1
60204	2-Jun-04	L0405940-02	9060	TOTAL ORGANIC CARBON	4 2		mg/l	y	1	0 086	2
60204	2-Jun-04	L0405940-02	2340B	HARDNESS	39		mg/l	y	1.7		1
60204	2-Jun-04	L0405940-02	6010B	ALUMINUM, TOTAL	0 24	J	mg/l	y	0.1	0 019	1
60204	2-Jun-04	L0405940-02	6020A	ANTIMONY, TOTAL	0 00081	J	mg/l	y	0.001	0 000022	1
60204	2-Jun-04	L0405940-02	6020A	ARSENIC, TOTAL	0 0016	J	mg/l	y	0 001	0 000034	1
60204	2-Jun-04	L0405940-02	6020A	BARIUM, TOTAL	0.0315		mg/l	y	0 001	0 000038	1
60204	2-Jun-04	L0405940-02	6020A	BERYLLIUM, TOTAL	0 00007	U	mg/l	n	0.001	0.000015	1
60204	2-Jun-04	L0405940-02	6020A	CADMIUM, TOTAL	0 00006	UJ	mg/l	n	0 0001	0 000034	1
60204	2-Jun-04	L0405940-02	6010B	CALCIUM, TOTAL	11		mg/l	y	0.1	0.015	1
60204	2-Jun-04	L0405940-02	6020A	CHROMIUM, TOTAL	0.0013		mg/l	y	0.001	0.000031	1
60204	2-Jun-04	L0405940-02	6020A	COBALT, TOTAL	0 00062	J	mg/l	y	0 001	0.000017	1
60204	2-Jun-04	L0405940-02	6020A	COPPER, TOTAL	0 0057	J	mg/l	y	0 001	0 000172	1
60204	2-Jun-04	L0405940-02	6010B	IRON, TOTAL	17	J	mg/l	y	0.05	0 013	1
60204	2-Jun-04	L0405940-02	6020A	LEAD, TOTAL	0 0022	J	mg/l	y	0 0005	0 000028	1
60204	2-Jun-04	L0405940-02	6010B	MAGNESIUM, TOTAL	3		mg/l	y	0.1	0 014	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
60204	2-Jun-04	L0405940-02	6010B	MANGANESE, TOTAL	0 11		mg/l	y	0 01	0 0006	1
60204	2-Jun-04	L0405940-02	7470A	MERCURY, TOTAL	1 6E-05	J	mg/l	y	0.0002	0 000012	1
60204	2-Jun-04	L0405940-02	6020A	MOLYBDENUM, TOTAL	0 00046	U	mg/l	n	0 001	0.00003	1
60204	2-Jun-04	L0405940-02	6020A	NICKEL, TOTAL	0 0022	J	mg/l	y	0 001	0.000024	1
60204	2-Jun-04	L0405940-02	6010B	POTASSIUM, TOTAL	3.1		mg/l	y	2 5	0 094	1
60204	2-Jun-04	L0405940-02	6020A	SELENIUM, TOTAL	0 00032	J	mg/l	y	0.002	0.000298	1
60204	2-Jun-04	L0405940-02	6020A	SILVER, TOTAL	0 00005	U	mg/l	n	0 001	0 000025	1
60204	2-Jun-04	L0405940-02	6010B	SODIUM, TOTAL	52		mg/l	y	10	1 6	5
60204	2-Jun-04	L0405940-02	6020A	THALLIUM, TOTAL	0.00005	U	mg/l	n	0 001	0 000026	1
60204	2-Jun-04	L0405940-02	6020A	VANADIUM, TOTAL	0.0045	J	mg/l	y	0 001	0 00003	1
60204	2-Jun-04	L0405940-02	6020A	ZINC, TOTAL	0 0387	J	mg/l	y	0.005	0.000298	1
60204	2-Jun-04	L0405940-02	6010B	ALUMINUM, DISSOLVED		U	mg/l	n	0.1	0 019	1
60204	2-Jun-04	L0405940-02	6020A	ANTIMONY, DISSOLVED	0 0001	U	mg/l	n	0 001	0 000022	1
60204	2-Jun-04	L0405940-02	6020A	ARSENIC, DISSOLVED	0.00037	U	mg/l	n	0.001	0.000034	1
60204	2-Jun-04	L0405940-02	6020A	BARIUM, DISSOLVED	0 0212		mg/l	y	0 001	0.000038	1
60204	2-Jun-04	L0405940-02	6020A	BERYLLIUM, DISSOLVED	0.00002	U	mg/l	n	0.001	0.000015	1
60204	2-Jun-04	L0405940-02	6020A	CADMIUM, DISSOLVED		U	mg/l	n	0 0001	0 000034	1
60204	2-Jun-04	L0405940-02	6010B	CALCIUM, DISSOLVED	9.8		mg/l	y	0 1	0.015	1
60204	2-Jun-04	L0405940-02	6020A	CHROMIUM, DISSOLVED	0 00014	U	mg/l	n	0 001	0.000031	1
60204	2-Jun-04	L0405940-02	6020A	COBALT, DISSOLVED	0 00022	U	mg/l	n	0 001	0.000017	1
60204	2-Jun-04	L0405940-02	6020A	COPPER, DISSOLVED	0 00028	J	mg/l	y	0.001	0 000172	1
60204	2-Jun-04	L0405940-02	6010B	IRON, DISSOLVED	0 036	J	mg/l	y	0 05	0 013	1
60204	2-Jun-04	L0405940-02	6020A	LEAD, DISSOLVED	0.00009	U	mg/l	n	0 0005	0 000028	1
60204	2-Jun-04	L0405940-02	6010B	MAGNESIUM, DISSOLVED	3		mg/l	y	0 1	0.014	1
60204	2-Jun-04	L0405940-02	6010B	MANGANESE, DISSOLVED	0.08		mg/l	y	0.01	0 0006	1
60204	2-Jun-04	L0405940-02	7470A	MERCURY, DISSOLVED		U	mg/l	n	0 0002	0 000012	1
60204	2-Jun-04	L0405940-02	6020A	MOLYBDENUM, DISSOLVED	0 0001	U	mg/l	n	0.001	0 00003	1
60204	2-Jun-04	L0405940-02	6020A	NICKEL, DISSOLVED	0 00069	J	mg/l	y	0 001	0.000024	1
60204	2-Jun-04	L0405940-02	6010B	POTASSIUM, DISSOLVED	2.7		mg/l	y	2 5	0.094	1
60204	2-Jun-04	L0405940-02	6020A	SELENIUM, DISSOLVED		U	mg/l	n	0.002	0 000298	1
60204	2-Jun-04	L0405940-02	6020A	SILVER, DISSOLVED		U	mg/l	n	0 001	0.000025	1
60204	2-Jun-04	L0405940-02	6010B	SODIUM, DISSOLVED	50		mg/l	y	10	1.6	5
60204	2-Jun-04	L0405940-02	6020A	THALLIUM, DISSOLVED		U	mg/l	n	0.001	0.000026	1
60204	2-Jun-04	L0405940-02	6020A	VANADIUM, DISSOLVED	0 00012	U	mg/l	n	0.001	0 00003	1
60204	2-Jun-04	L0405940-02	6020A	ZINC, DISSOLVED	0 0059		mg/l	y	0.005	0.000298	1
60204	2-Jun-04	L0405940-02	8270C	1,2,4-TRICHLOROBENZENE		U	ug/l	n	5	1 3	1
60204	2-Jun-04	L0405940-02	8270C	HEXACHLOROBENZENE		U	ug/l	n	5	1.6	1
60204	2-Jun-04	L0405940-02	8270C	BIS(2-CHLOROETHYL)ETHER		U	ug/l	n	5	1.3	1
60204	2-Jun-04	L0405940-02	8270C	1,2-DICHLOROBENZENE		U	ug/l	n	5	1 1	1
60204	2-Jun-04	L0405940-02	8270C	1,3-DICHLOROBENZENE		U	ug/l	n	5	1	1
60204	2-Jun-04	L0405940-02	8270C	1,4-DICHLOROBENZENE		U	ug/l	n	5	0 96	1
60204	2-Jun-04	L0405940-02	8270C	3,3'-DICHLOROBENZIDINE		U	ug/l	n	50	2 6	1
60204	2-Jun-04	L0405940-02	8270C	2,4-DINITROTOLUENE		U	ug/l	n	6	0.48	1
60204	2-Jun-04	L0405940-02	8270C	2,6-DINITROTOLUENE		U	ug/l	n	5	0.96	1
60204	2-Jun-04	L0405940-02	8270C	4-CHLOROPHENYL PHENYL ETHER		U	ug/l	n	5	0 96	1
60204	2-Jun-04	L0405940-02	8270C	4-BROMOPHENYL PHENYL ETHER		U	ug/l	n	5	0.99	1
60204	2-Jun-04	L0405940-02	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	ug/l	n	5	2.2	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
60204	2-Jun-04	L0405940-02	8270C	BIS(2-CHLOROETHOXY)METHANE		U	ug/l	n	5	1 6	1
60204	2-Jun-04	L0405940-02	8270C	HEXACHLOROBUTADIENE		U	ug/l	n	10	2.1	1
60204	2-Jun-04	L0405940-02	8270C	HEXACHLOROETHANE		U	ug/l	n	5	0.97	1
60204	2-Jun-04	L0405940-02	8270C	ISOPHORONE		U	ug/l	n	5	1.6	1
60204	2-Jun-04	L0405940-02	8270C	NITROBENZENE		U	ug/l	n	5	1 6	1
60204	2-Jun-04	L0405940-02	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	ug/l	n	15	4 2	1
60204	2-Jun-04	L0405940-02	8270C	N-NITROSODI-N-PROPYLAMINE		U	ug/l	n	5	1 6	1
60204	2-Jun-04	L0405940-02	8270C	BIS(2-ETHYLHEXYL)PHTHALATE		U	ug/l	n	10	1 6	1
60204	2-Jun-04	L0405940-02	8270C	BUTYL BENZYL PHTHALATE		U	ug/l	n	5	0.67	1
60204	2-Jun-04	L0405940-02	8270C	DI-N-BUTYLPHTHALATE		U	ug/l	n	5	0.5	1
60204	2-Jun-04	L0405940-02	8270C	DI-N-OCTYLPHTHALATE		U	ug/l	n	5	0.54	1
60204	2-Jun-04	L0405940-02	8270C	DIETHYL PHTHALATE		U	ug/l	n	5	1.6	1
60204	2-Jun-04	L0405940-02	8270C	DIMETHYL PHTHALATE		U	ug/l	n	5	1 6	1
60204	2-Jun-04	L0405940-02	8270C	4-CHLOROANILINE		U	ug/l	n	5	1.4	1
60204	2-Jun-04	L0405940-02	8270C	2-NITROANILINE		U	ug/l	n	5	1 1	1
60204	2-Jun-04	L0405940-02	8270C	3-NITROANILINE		U	ug/l	n	5	1.1	1
60204	2-Jun-04	L0405940-02	8270C	4-NITROANILINE		U	ug/l	n	7	1 3	1
60204	2-Jun-04	L0405940-02	8270C	DIBENZOFURAN		U	ug/l	n	5	0 92	1
60204	2-Jun-04	L0405940-02	8270C	2,4,6-TRICHLOROPHENOL		U	ug/l	n	5	1 2	1
60204	2-Jun-04	L0405940-02	8270C	P-CHLORO-M-CRESOL		U	ug/l	n	5	1.5	1
60204	2-Jun-04	L0405940-02	8270C	2-CHLOROPHENOL		U	ug/l	n	6	1.8	1
60204	2-Jun-04	L0405940-02	8270C	2,4-DICHLOROPHENOL		U	ug/l	n	10	2 1	1
60204	2-Jun-04	L0405940-02	8270C	2,4-DIMETHYLPHENOL		UJ	ug/l	n	10	3.1	1
60204	2-Jun-04	L0405940-02	8270C	2-NITROPHENOL		U	ug/l	n	20	2 3	1
60204	2-Jun-04	L0405940-02	8270C	4-NITROPHENOL		U	ug/l	n	10	1.6	1
60204	2-Jun-04	L0405940-02	8270C	2,4-DINITROPHENOL		U	ug/l	n	20	1	1
60204	2-Jun-04	L0405940-02	8270C	4,6-DINITRO-O-CRESOL		U	ug/l	n	20	1.4	1
60204	2-Jun-04	L0405940-02	8270C	PENTACHLOROPHENOL		U	ug/l	n	20	1.6	1
60204	2-Jun-04	L0405940-02	8270C	PHENOL		U	ug/l	n	7	1 2	1
60204	2-Jun-04	L0405940-02	8270C	2-METHYLPHENOL		U	ug/l	n	6	1.5	1
60204	2-Jun-04	L0405940-02	8270C	3-METHYLPHENOL/4-METHYLPHENOL		U	ug/l	n	6	1 6	1
60204	2-Jun-04	L0405940-02	8270C	2,4,5-TRICHLOROPHENOL		U	ug/l	n	5	0.96	1
60204	2-Jun-04	L0405940-02	8270C	BENZOIC ACID		U	ug/l	n	50	0 99	1
60204	2-Jun-04	L0405940-02	8270C	CARBAZOLE		U	ug/l	n	5	1.6	1
60204	2-Jun-04	L0405940-02	8270C-SIM	ACENAPHTHENE		UJ	ug/l	n	0 2	0.036	1
60204	2-Jun-04	L0405940-02	8270C-SIM	2-CHLORONAPHTHALENE		U	ug/l	n	0 2	0 042	1
60204	2-Jun-04	L0405940-02	8270C-SIM	FLUORANTHENE		U	ug/l	n	0 2	0 04	1
60204	2-Jun-04	L0405940-02	8270C-SIM	NAPHTHALENE		U	ug/l	n	0.2	0 031	1
60204	2-Jun-04	L0405940-02	8270C-SIM	BENZO(A)ANTHRACENE		UJ	ug/l	n	0.2	0 038	1
60204	2-Jun-04	L0405940-02	8270C-SIM	BENZO(A)PYRENE		U	ug/l	n	0.2	0 04	1
60204	2-Jun-04	L0405940-02	8270C-SIM	BENZO(B)FLUORANTHENE		UJ	ug/l	n	0 2	0.05	1
60204	2-Jun-04	L0405940-02	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	ug/l	n	0.2	0.036	1
60204	2-Jun-04	L0405940-02	8270C-SIM	CHRYSENE		U	ug/l	n	0 2	0.024	1
60204	2-Jun-04	L0405940-02	8270C-SIM	ACENAPHTHYLENE		U	ug/l	n	0.2	0.03	1
60204	2-Jun-04	L0405940-02	8270C-SIM	ANTHRACENE		U	ug/l	n	0 2	0 049	1
60204	2-Jun-04	L0405940-02	8270C-SIM	BENZO(GHI)PERYLENE		U	ug/l	n	0.25	0 025	1
60204	2-Jun-04	L0405940-02	8270C-SIM	FLUORENE		U	ug/l	n	0 2	0 024	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
60204	2-Jun-04	L0405940-02	8270C-SIM	PHENANTHRENE		UJ	ug/l	n	0 2	0 031	1
60204	2-Jun-04	L0405940-02	8270C-SIM	DIBENZO(A,H)ANTHRACENE		U	ug/l	n	0.2	0 017	1
60204	2-Jun-04	L0405940-02	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	ug/l	n	0.2	0.026	1
60204	2-Jun-04	L0405940-02	8270C-SIM	PYRENE		UJ	ug/l	n	0.2	0.046	1
60204	2-Jun-04	L0405940-02	8270C-SIM	2-METHYLNAPHTHALENE		U	ug/l	n	0.2	0 036	1
3-GW37S-02	2-Jun-04	L0405940-03	6020A	COBALT, DISSOLVED	0.0064		mg/l	y	0.001	0.000017	1
3-GW37S-02	2-Jun-04	L0405940-03	6020A	COPPER, DISSOLVED	0.0016		mg/l	y	0.001	0.000172	1
3-GW37S-02	2-Jun-04	L0405940-03	6010B	IRON, DISSOLVED	0 66		mg/l	y	0.05	0 013	1
3-GW37S-02	2-Jun-04	L0405940-03	6020A	LEAD, DISSOLVED	0.00029	U	mg/l	n	0.0005	0 000028	1
3-GW37S-02	2-Jun-04	L0405940-03	6010B	MAGNESIUM, DISSOLVED	32		mg/l	y	0 1	0 014	1
3-GW37S-02	2-Jun-04	L0405940-03	6010B	MANGANESE, DISSOLVED	4		mg/l	y	0.01	0 0006	1
3-GW37S-02	2-Jun-04	L0405940-03	7470A	MERCURY, DISSOLVED		U	mg/l	n	0 0002	0.000012	1
3-GW37S-02	2-Jun-04	L0405940-03	6020A	MOLYBDENUM, DISSOLVED	0.0014		mg/l	y	0.001	0.00003	1
3-GW37S-02	2-Jun-04	L0405940-03	6020A	NICKEL, DISSOLVED	0.0015		mg/l	y	0.001	0 000024	1
3-GW37S-02	2-Jun-04	L0405940-03	6010B	POTASSIUM, DISSOLVED	19		mg/l	y	2.5	0.094	1
3-GW37S-02	2-Jun-04	L0405940-03	6020A	SELENIUM, DISSOLVED	0.00123	U	mg/l	n	0.002	0.000298	1
3-GW37S-02	2-Jun-04	L0405940-03	6020A	SILVER, DISSOLVED		U	mg/l	n	0 001	0 000025	1
3-GW37S-02	2-Jun-04	L0405940-03	6010B	SODIUM, DISSOLVED	310		mg/l	y	100	16	50
3-GW37S-02	2-Jun-04	L0405940-03	6020A	THALLIUM, DISSOLVED	0 00045	J	mg/l	y	0 001	0 000026	1
3-GW37S-02	2-Jun-04	L0405940-03	6020A	VANADIUM, DISSOLVED	0.00013	U	mg/l	n	0 001	0 00003	1
3-GW37S-02	2-Jun-04	L0405940-03	6020A	ZINC, DISSOLVED	0 00246	U	mg/l	n	0 005	0.000298	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	1,2,4-TRICHLOROBENZENE		U	ug/l	n	5	1.3	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	HEXACHLOROBENZENE		U	ug/l	n	5	1.6	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	BIS(2-CHLOROETHYL)ETHER		U	ug/l	n	5	1.3	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	1,2-DICHLOROBENZENE		U	ug/l	n	5	1 1	1
3-GW37S-02	2-Jun-04	L0405940-03	6010B	CALCIUM, DISSOLVED	43		mg/l	y	0 1	0.015	1
3-GW37S-02	2-Jun-04	L0405940-03	6020A	CHROMIUM, DISSOLVED	0.00031	J	mg/l	y	0 001	0 000031	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	1,3-DICHLOROBENZENE		U	ug/l	n	5	1	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	1,4-DICHLOROBENZENE		U	ug/l	n	5	0 96	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	3,3'-DICHLOROBENZIDINE		U	ug/l	n	50	2 6	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	2,4-DINITROTOLUENE		U	ug/l	n	6	0 48	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	2,6-DINITROTOLUENE		U	ug/l	n	5	0 96	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	4-CHLOROPHENYL PHENYL ETHER		U	ug/l	n	5	0 96	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	4-BROMOPHENYL PHENYL ETHER		U	ug/l	n	5	0.99	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	ug/l	n	5	2.2	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	BIS(2-CHLOROETHOXY)METHANE		U	ug/l	n	5	1.6	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	HEXACHLOROBUTADIENE		U	ug/l	n	10	2.1	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	HEXACHLOROETHANE		U	ug/l	n	5	0 97	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	ISOPHORONE		U	ug/l	n	5	1.6	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	NITROBENZENE		U	ug/l	n	5	1.6	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	ug/l	n	15	4.2	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	N-NITROSODI-N-PROPYLAMINE		U	ug/l	n	5	1 6	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	BIS(2-ETHYLHEXYL)PHTHALATE		U	ug/l	n	10	1.6	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	BUTYL BENZYL PHTHALATE		U	ug/l	n	5	0 67	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	DI-N-BUTYLPHTHALATE		U	ug/l	n	5	0 5	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	DI-N-OCTYLPHTHALATE		U	ug/l	n	5	0.54	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	DIETHYL PHTHALATE		U	ug/l	n	5	1 6	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
3-GW37S-02	2-Jun-04	L0405940-03	8270C	DIMETHYL PHTHALATE		U	ug/l	n	5	1.6	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	4-CHLOROANILINE		U	ug/l	n	5	1 4	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	2-NITROANILINE		U	ug/l	n	5	1 1	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	3-NITROANILINE		U	ug/l	n	5	1.1	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	4-NITROANILINE		U	ug/l	n	7	1 3	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	DIBENZOFURAN		U	ug/l	n	5	0 92	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	2,4,6-TRICHLOROPHENOL		U	ug/l	n	5	1 2	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	P-CHLORO-M-CRESOL		U	ug/l	n	5	1.5	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	2-CHLOROPHENOL		U	ug/l	n	6	1 8	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	2,4-DICHLOROPHENOL		U	ug/l	n	10	2.1	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	2,4-DIMETHYLPHENOL		UJ	ug/l	n	10	3.1	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	2-NITROPHENOL		U	ug/l	n	20	2.3	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	4-NITROPHENOL		U	ug/l	n	10	1.6	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	2,4-DINITROPHENOL		U	ug/l	n	20	1	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	4,6-DINITRO-O-CRESOL		U	ug/l	n	20	1.4	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	PENTACHLOROPHENOL		U	ug/l	n	20	1 6	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	PHENOL		U	ug/l	n	7	1.2	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	2-METHYLPHENOL		U	ug/l	n	6	1.5	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	3-METHYLPHENOL/4-METHYLPHENOL		U	ug/l	n	6	1.6	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	2,4,5-TRICHLOROPHENOL		U	ug/l	n	5	0 96	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	BENZOIC ACID		U	ug/l	n	50	0 99	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C	CARBAZOLE		U	ug/l	n	5	1 6	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C-SIM	ACENAPHTHENE		UJ	ug/l	n	0 2	0 036	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C-SIM	2-CHLORONAPHTHALENE		U	ug/l	n	0 2	0 042	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C-SIM	FLUORANTHENE		U	ug/l	n	0 2	0 04	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C-SIM	NAPHTHALENE		U	ug/l	n	0.2	0.031	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C-SIM	BENZO(A)ANTHRACENE		UJ	ug/l	n	0 2	0.038	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C-SIM	BENZO(A)PYRENE		U	ug/l	n	0 2	0.04	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C-SIM	BENZO(B)FLUORANTHENE		UJ	ug/l	n	0.2	0.05	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	ug/l	n	0 2	0 036	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C-SIM	CHRYSENE		U	ug/l	n	0 2	0.024	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C-SIM	ACENAPHTHYLENE		U	ug/l	n	0.2	0 03	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C-SIM	ANTHRACENE		U	ug/l	n	0.2	0.049	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C-SIM	BENZO(GHI)PERYLENE		U	ug/l	n	0 25	0.025	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C-SIM	FLUORENE		U	ug/l	n	0.2	0 024	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C-SIM	PHENANTHRENE		UJ	ug/l	n	0.2	0 031	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C-SIM	DIBENZO(A,H)ANTHRACENE		U	ug/l	n	0 2	0 017	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	ug/l	n	0 2	0 026	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C-SIM	PYRENE		UJ	ug/l	n	0 2	0 046	1
3-GW37S-02	2-Jun-04	L0405940-03	8270C-SIM	2-METHYLNAPHTHALENE		U	ug/l	n	0 2	0.036	1
3-GW37S-02	2-Jun-04	L0405940-03	2320B	ALKALINITY, TOTAL	160		mg CaCO3	y	2	0 4	1
3-GW37S-02	2-Jun-04	L0405940-03	2540C	SOLIDS, TOTAL DISSOLVED	1200		mg/l	y	10	2.8	1
3-GW37S-02	2-Jun-04	L0405940-03	2540D	SOLIDS, TOTAL SUSPENDED		U	mg/l	n	5		1
3-GW37S-02	2-Jun-04	L0405940-03	9251	CHLORIDE	580		mg/l	y	10	0 36	10
3-GW37S-02	2-Jun-04	L0405940-03	9038	SULFATE	26		mg/l	y	10	1.4	1
3-GW37S-02	2-Jun-04	L0405940-03	5220D	CHEMICAL OXYGEN DEMAND	38		mg/l	y	20	4.2	1
3-GW37S-02	2-Jun-04	L0405940-03	9060	TOTAL ORGANIC CARBON	3 9		mg/l	y	2	0 17	4

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
3-GW37S-02	2-Jun-04	L0405940-03	2340B	HARDNESS	240		mg/l	y	1.7		1
3-GW37S-02	2-Jun-04	L0405940-03	6010B	ALUMINUM, TOTAL		U	mg/l	n	0.1	0.019	1
3-GW37S-02	2-Jun-04	L0405940-03	6020A	ANTIMONY, TOTAL	0 00011	U	mg/l	n	0 001	0 000022	1
3-GW37S-02	2-Jun-04	L0405940-03	6020A	ARSENIC, TOTAL	0.00038	U	mg/l	n	0.001	0 000034	1
3-GW37S-02	2-Jun-04	L0405940-03	6020A	BARIUM, TOTAL	0 2146		mg/l	y	0 005	0 00019	5
3-GW37S-02	2-Jun-04	L0405940-03	6020A	BERYLLIUM, TOTAL	0 00003	U	mg/l	n	0 001	0 000015	1
3-GW37S-02	2-Jun-04	L0405940-03	6020A	CADMIUM, TOTAL	0.0002		mg/l	y	0 0001	0.000034	1
3-GW37S-02	2-Jun-04	L0405940-03	6010B	CALCIUM, TOTAL	43		mg/l	y	0 1	0.015	1
3-GW37S-02	2-Jun-04	L0405940-03	6020A	CHROMIUM, TOTAL	0.00034	U	mg/l	n	0 001	0 000031	1
3-GW37S-02	2-Jun-04	L0405940-03	6020A	COBALT, TOTAL	0.0064		mg/l	y	0 001	0.000017	1
3-GW37S-02	2-Jun-04	L0405940-03	6020A	COPPER, TOTAL	0.0022		mg/l	y	0.001	0 000172	1
3-GW37S-02	2-Jun-04	L0405940-03	6010B	IRON, TOTAL	0 83	J	mg/l	y	0 05	0 013	1
3-GW37S-02	2-Jun-04	L0405940-03	6020A	LEAD, TOTAL	0 00015	U	mg/l	n	0 0005	0.000028	1
3-GW37S-02	2-Jun-04	L0405940-03	6010B	MAGNESIUM, TOTAL	31		mg/l	y	0 1	0.014	1
3-GW37S-02	2-Jun-04	L0405940-03	6010B	MANGANESE, TOTAL	4		mg/l	y	0 01	0 0006	1
3-GW37S-02	2-Jun-04	L0405940-03	7470A	MERCURY, TOTAL		U	mg/l	n	0.0002	0 000012	1
3-GW37S-02	2-Jun-04	L0405940-03	6020A	MOLYBDENUM, TOTAL	0 0015		mg/l	y	0 001	0 00003	1
3-GW37S-02	2-Jun-04	L0405940-03	6020A	NICKEL, TOTAL	0 00091	J	mg/l	y	0.001	0.000024	1
3-GW37S-02	2-Jun-04	L0405940-03	6010B	POTASSIUM, TOTAL	19		mg/l	y	2 5	0 094	1
3-GW37S-02	2-Jun-04	L0405940-03	6020A	SELENIUM, TOTAL	0 00112	J	mg/l	y	0.002	0 000298	1
3-GW37S-02	2-Jun-04	L0405940-03	6020A	SILVER, TOTAL	0 00004	U	mg/l	n	0 001	0 000025	1
3-GW37S-02	2-Jun-04	L0405940-03	6010B	SODIUM, TOTAL	310		mg/l	y	100	16	50
3-GW37S-02	2-Jun-04	L0405940-03	6020A	THALLIUM, TOTAL	0.00046	J	mg/l	y	0 001	0.000026	1
3-GW37S-02	2-Jun-04	L0405940-03	6020A	VANADIUM, TOTAL	0 00019	U	mg/l	n	0 001	0 00003	1
3-GW37S-02	2-Jun-04	L0405940-03	6020A	ZINC, TOTAL	0 00269	J	mg/l	y	0 005	0.000298	1
3-GW37S-02	2-Jun-04	L0405940-03	6010B	ALUMINUM, DISSOLVED		U	mg/l	n	0 1	0 019	1
3-GW37S-02	2-Jun-04	L0405940-03	6020A	ANTIMONY, DISSOLVED	0 00006	U	mg/l	n	0 001	0 000022	1
3-GW37S-02	2-Jun-04	L0405940-03	6020A	ARSENIC, DISSOLVED	0 00033	U	mg/l	n	0 001	0 000034	1
3-GW37S-02	2-Jun-04	L0405940-03	6020A	BARIUM, DISSOLVED	0.2053		mg/l	y	0 005	0.0019	50
3-GW37S-02	2-Jun-04	L0405940-03	6020A	BERYLLIUM, DISSOLVED	0.00002	U	mg/l	n	0 001	0.000015	1
3-GW37S-02	2-Jun-04	L0405940-03	6020A	CADMIUM, DISSOLVED	0.0002	U	mg/l	n	0 0001	0.000034	1
3-SP01-02	2-Jun-04	L0405940-04	2320B	ALKALINITY, TOTAL	97		mg CaCO3	y	2	0.4	1
3-SP01-02	2-Jun-04	L0405940-04	2540C	SOLIDS, TOTAL DISSOLVED	320		mg/l	y	10	2.8	1
3-SP01-02	2-Jun-04	L0405940-04	2540D	SOLIDS, TOTAL SUSPENDED	30		mg/l	y	5		1
3-SP01-02	2-Jun-04	L0405940-04	9251	CHLORIDE	91		mg/l	y	1	0 36	1
3-SP01-02	2-Jun-04	L0405940-04	9038	SULFATE	15		mg/l	y	10	1.4	1
3-SP01-02	2-Jun-04	L0405940-04	5220D	CHEMICAL OXYGEN DEMAND	72		mg/l	y	20	4.2	1
3-SP01-02	2-Jun-04	L0405940-04	9060	TOTAL ORGANIC CARBON	3 9		mg/l	y	1	0 086	2
3-SP01-02	2-Jun-04	L0405940-04	2340B	HARDNESS	140		mg/l	y	1 7		1
3-SP01-02	2-Jun-04	L0405940-04	6010B	ALUMINUM, TOTAL	2.3		mg/l	y	0 1	0.019	1
3-SP01-02	2-Jun-04	L0405940-04	6020A	ANTIMONY, TOTAL	0.0035		mg/l	y	0 001	0 000022	1
3-SP01-02	2-Jun-04	L0405940-04	6020A	ARSENIC, TOTAL	0 0021		mg/l	y	0.001	0.000034	1
3-SP01-02	2-Jun-04	L0405940-04	6020A	BARIUM, TOTAL	0 0649		mg/l	y	0.001	0 000038	1
3-SP01-02	2-Jun-04	L0405940-04	6020A	BERYLLIUM, TOTAL	0.0001	U	mg/l	n	0.001	0 000015	1
3-SP01-02	2-Jun-04	L0405940-04	6020A	CADMIUM, TOTAL	0.0003		mg/l	y	0 0001	0.000034	1
3-SP01-02	2-Jun-04	L0405940-04	6010B	CALCIUM, TOTAL	44		mg/l	y	0.1	0.015	1
3-SP01-02	2-Jun-04	L0405940-04	6020A	CHROMIUM, TOTAL	0.0036		mg/l	y	0 001	0 000031	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
3-SP01-02	2-Jun-04	L0405940-04	6020A	COBALT, TOTAL	0.0021		mg/l	y	0 001	0 000017	1
3-SP01-02	2-Jun-04	L0405940-04	6020A	COPPER, TOTAL	0 0142		mg/l	y	0.001	0.000172	1
3-SP01-02	2-Jun-04	L0405940-04	6010B	IRON, TOTAL	5 4	J	mg/l	y	0 05	0.013	1
3-SP01-02	2-Jun-04	L0405940-04	6020A	LEAD, TOTAL	0.024		mg/l	y	0 0005	0.000028	1
3-SP01-02	2-Jun-04	L0405940-04	6010B	MAGNESIUM, TOTAL	6 3		mg/l	y	0 1	0.014	1
3-SP01-02	2-Jun-04	L0405940-04	6010B	MANGANESE, TOTAL	0 43		mg/l	y	0.01	0.0006	1
3-SP01-02	2-Jun-04	L0405940-04	7470A	MERCURY, TOTAL	4 26E-05	J	mg/l	y	0.0002	0 000012	1
3-SP01-02	2-Jun-04	L0405940-04	6020A	MOLYBDENUM, TOTAL	0.00068	U	mg/l	n	0 001	0.00003	1
3-SP01-02	2-Jun-04	L0405940-04	6020A	NICKEL, TOTAL	0 0027		mg/l	y	0 001	0 000024	1
3-SP01-02	2-Jun-04	L0405940-04	6010B	POTASSIUM, TOTAL	8 1		mg/l	y	2 5	0.094	1
3-SP01-02	2-Jun-04	L0405940-04	6020A	SELENIUM, TOTAL	0 00056	J	mg/l	y	0 002	0 000298	1
3-SP01-02	2-Jun-04	L0405940-04	6020A	SILVER, TOTAL	0 0002	U	mg/l	n	0.001	0.000025	1
3-SP01-02	2-Jun-04	L0405940-04	6010B	SODIUM, TOTAL	53		mg/l	y	10	1 6	5
3-SP01-02	2-Jun-04	L0405940-04	6020A	THALLIUM, TOTAL	0 00009	U	mg/l	n	0 001	0.000026	1
3-SP01-02	2-Jun-04	L0405940-04	6020A	VANADIUM, TOTAL	0 0063		mg/l	y	0 001	0.00003	1
3-SP01-02	2-Jun-04	L0405940-04	6020A	ZINC, TOTAL	0.0817		mg/l	y	0 005	0.000298	1
3-SP01-02	2-Jun-04	L0405940-04	6010B	ALUMINUM, DISSOLVED	0.019	J	mg/l	y	0 1	0.019	1
3-SP01-02	2-Jun-04	L0405940-04	6020A	ANTIMONY, DISSOLVED	0.002		mg/l	y	0 001	0.000022	1
3-SP01-02	2-Jun-04	L0405940-04	6020A	ARSENIC, DISSOLVED	0.00034	U	mg/l	n	0 001	0 000034	1
3-SP01-02	2-Jun-04	L0405940-04	6020A	BARIUM, DISSOLVED	0.0557		mg/l	y	0.001	0 000038	1
3-SP01-02	2-Jun-04	L0405940-04	6020A	BERYLLIUM, DISSOLVED		U	mg/l	n	0.001	0 000015	1
3-SP01-02	2-Jun-04	L0405940-04	6020A	CADMIUM, DISSOLVED	0 00007	U	mg/l	n	0.0001	0 000034	1
3-SP01-02	2-Jun-04	L0405940-04	6010B	CALCIUM, DISSOLVED	43		mg/l	y	0 1	0 015	1
3-SP01-02	2-Jun-04	L0405940-04	6020A	CHROMIUM, DISSOLVED	0 00016	U	mg/l	n	0 001	0.000031	1
3-SP01-02	2-Jun-04	L0405940-04	6020A	COBALT, DISSOLVED	0 0013		mg/l	y	0 001	0 000017	1
3-SP01-02	2-Jun-04	L0405940-04	6020A	COPPER, DISSOLVED	0 0013		mg/l	y	0 001	0 000172	1
3-SP01-02	2-Jun-04	L0405940-04	6010B	IRON, DISSOLVED	1 7		mg/l	y	0 05	0.013	1
3-SP01-02	2-Jun-04	L0405940-04	6020A	LEAD, DISSOLVED	0.0006	U	mg/l	n	0 0005	0.000028	1
3-SP01-02	2-Jun-04	L0405940-04	6010B	MAGNESIUM, DISSOLVED	7.6		mg/l	y	0.1	0.014	1
3-SP01-02	2-Jun-04	L0405940-04	6010B	MANGANESE, DISSOLVED	0 6		mg/l	y	0 01	0 0006	1
3-SP01-02	2-Jun-04	L0405940-04	7470A	MERCURY, DISSOLVED		U	mg/l	n	0.0002	0.000012	1
3-SP01-02	2-Jun-04	L0405940-04	6020A	MOLYBDENUM, DISSOLVED	0.00045	U	mg/l	n	0 001	0.00003	1
3-SP01-02	2-Jun-04	L0405940-04	6020A	NICKEL, DISSOLVED	0 00089	J	mg/l	y	0 001	0.000024	1
3-SP01-02	2-Jun-04	L0405940-04	6010B	POTASSIUM, DISSOLVED	8 4		mg/l	y	2 5	0 094	1
3-SP01-02	2-Jun-04	L0405940-04	6020A	SELENIUM, DISSOLVED	0.00047	U	mg/l	n	0 002	0.000298	1
3-SP01-02	2-Jun-04	L0405940-04	6020A	SILVER, DISSOLVED		U	mg/l	n	0 001	0.000025	1
3-SP01-02	2-Jun-04	L0405940-04	6010B	SODIUM, DISSOLVED	71		mg/l	y	10	1.6	5
3-SP01-02	2-Jun-04	L0405940-04	6020A	THALLIUM, DISSOLVED	0.00005	U	mg/l	n	0 001	0 000026	1
3-SP01-02	2-Jun-04	L0405940-04	6020A	VANADIUM, DISSOLVED	0.00031	U	mg/l	n	0 001	0 00003	1
3-SP01-02	2-Jun-04	L0405940-04	6020A	ZINC, DISSOLVED	0.0279		mg/l	y	0 005	0.000298	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	1,2,4-TRICHLOROBENZENE		U	ug/l	n	5	1.3	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	HEXACHLOROBENZENE		U	ug/l	n	5	1.6	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	BIS(2-CHLOROETHYL)ETHER		U	ug/l	n	5	1 3	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	1,2-DICHLOROBENZENE		U	ug/l	n	5	1 1	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	1,3-DICHLOROBENZENE		U	ug/l	n	5	1	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	1,4-DICHLOROBENZENE		U	ug/l	n	5	0 96	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	3,3'-DICHLOROBENZIDINE		U	ug/l	n	50	2.6	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
3-SP01-02	2-Jun-04	L0405940-04	8270C	2,4-DINITROTOLUENE		U	ug/l	n	6	0 48	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	2,6-DINITROTOLUENE		U	ug/l	n	5	0 96	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	4-CHLOROPHENYL PHENYL ETHER		U	ug/l	n	5	0.96	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	4-BROMOPHENYL PHENYL ETHER		U	ug/l	n	5	0 99	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	ug/l	n	5	2 2	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	BIS(2-CHLOROETHOXY)METHANE		U	ug/l	n	5	1 6	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	HEXACHLOROBUTADIENE		U	ug/l	n	10	2.1	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	HEXACHLOROETHANE		U	ug/l	n	5	0.97	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	ISOPHORONE		U	ug/l	n	5	1.6	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	NITROBENZENE		U	ug/l	n	5	1.6	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	ug/l	n	15	4.2	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	N-NITROSODI-N-PROPYLAMINE		U	ug/l	n	5	1.6	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	BIS(2-ETHYLHEXYL)PHTHALATE		U	ug/l	n	10	1 6	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	BUTYL BENZYL PHTHALATE		U	ug/l	n	5	0.67	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	DI-N-BUTYLPHTHALATE		U	ug/l	n	5	0.5	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	DI-N-OCTYLPHTHALATE		U	ug/l	n	5	0 54	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	DIETHYL PHTHALATE		U	ug/l	n	5	1 6	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	DIMETHYL PHTHALATE		U	ug/l	n	5	1 6	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	4-CHLOROANILINE		U	ug/l	n	5	1.4	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	2-NITROANILINE		U	ug/l	n	5	1.1	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	3-NITROANILINE		U	ug/l	n	5	1 1	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	4-NITROANILINE		U	ug/l	n	7	1.3	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	DIBENZOFURAN		U	ug/l	n	5	0 92	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	2,4,6-TRICHLOROPHENOL		U	ug/l	n	5	1 2	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	P-CHLORO-M-CRESOL		U	ug/l	n	5	1.5	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	2-CHLOROPHENOL		U	ug/l	n	6	1 8	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	2,4-DICHLOROPHENOL		U	ug/l	n	10	2 1	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	2,4-DIMETHYLPHENOL		UJ	ug/l	n	10	3 1	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	2-NITROPHENOL		U	ug/l	n	20	2 3	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	4-NITROPHENOL		U	ug/l	n	10	1 6	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	2,4-DINITROPHENOL		U	ug/l	n	20	1	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	4,6-DINITRO-O-CRESOL		U	ug/l	n	20	1.4	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	PENTACHLOROPHENOL		U	ug/l	n	20	1 6	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	PHENOL		U	ug/l	n	7	1 2	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	2-METHYLPHENOL		U	ug/l	n	6	1 5	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	3-METHYLPHENOL/4-METHYLPHENOL		U	ug/l	n	6	1 6	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	2,4,5-TRICHLOROPHENOL		U	ug/l	n	5	0 96	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	BENZOIC ACID		U	ug/l	n	50	0 99	1
3-SP01-02	2-Jun-04	L0405940-04	8270C	CARBAZOLE		U	ug/l	n	5	1 6	1
3-SP01-02	2-Jun-04	L0405940-04	8270C-SIM	ACENAPHTHENE		UJ	ug/l	n	0 2	0.036	1
3-SP01-02	2-Jun-04	L0405940-04	8270C-SIM	2-CHLORONAPHTHALENE		U	ug/l	n	0 2	0.042	1
3-SP01-02	2-Jun-04	L0405940-04	8270C-SIM	FLUORANTHENE	0 71		ug/l	y	0 2	0.04	1
3-SP01-02	2-Jun-04	L0405940-04	8270C-SIM	NAPHTHALENE		U	ug/l	n	0.2	0 031	1
3-SP01-02	2-Jun-04	L0405940-04	8270C-SIM	BENZO(A)ANTHRACENE	0 35	J	ug/l	y	0 2	0.038	1
3-SP01-02	2-Jun-04	L0405940-04	8270C-SIM	BENZO(A)PYRENE	0 23		ug/l	y	0.2	0.04	1
3-SP01-02	2-Jun-04	L0405940-04	8270C-SIM	BENZO(B)FLUORANTHENE	0.14	J	ug/l	y	0.2	0.05	1
3-SP01-02	2-Jun-04	L0405940-04	8270C-SIM	BENZO(K)FLUORANTHENE	0 36	J	ug/l	y	0.2	0 036	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
3-SP01-02	2-Jun-04	L0405940-04	8270C-SIM	CHRYSENE	0.34		ug/l	y	0.2	0 024	1
3-SP01-02	2-Jun-04	L0405940-04	8270C-SIM	ACENAPHTHYLENE	0 031	J	ug/l	y	0 2	0 03	1
3-SP01-02	2-Jun-04	L0405940-04	8270C-SIM	ANTHRACENE	0 14	J	ug/l	y	0.2	0 049	1
3-SP01-02	2-Jun-04	L0405940-04	8270C-SIM	BENZO(GHI)PERYLENE		U	ug/l	n	0 25	0 025	1
3-SP01-02	2-Jun-04	L0405940-04	8270C-SIM	FLUORENE		U	ug/l	n	0.2	0.024	1
3-SP01-02	2-Jun-04	L0405940-04	8270C-SIM	PHENANTHRENE	0 27	J	ug/l	y	0 2	0 031	1
3-SP01-02	2-Jun-04	L0405940-04	8270C-SIM	DIBENZO(A,H)ANTHRACENE		U	ug/l	n	0 2	0 017	1
3-SP01-02	2-Jun-04	L0405940-04	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	ug/l	n	0 2	0 026	1
3-SP01-02	2-Jun-04	L0405940-04	8270C-SIM	PYRENE	0 62	J	ug/l	y	0 2	0 046	1
3-SP01-02	2-Jun-04	L0405940-04	8270C-SIM	2-METHYLNAPHTHALENE		U	ug/l	n	0.2	0.036	1
2-SW23-02	2-Jun-04	L0405940-05	2320B	ALKALINITY, TOTAL	17		mg CaCO3	y	2	0 4	1
2-SW23-02	2-Jun-04	L0405940-05	2540C	SOLIDS, TOTAL DISSOLVED	63		mg/l	y	10	2 8	1
2-SW23-02	2-Jun-04	L0405940-05	2540D	SOLIDS, TOTAL SUSPENDED	11		mg/l	y	10		2
2-SW23-02	2-Jun-04	L0405940-05	9251	CHLORIDE	8.4		mg/l	y	1	0.36	1
2-SW23-02	2-Jun-04	L0405940-05	9038	SULFATE	3 2	J	mg/l	y	10	1.4	1
2-SW23-02	2-Jun-04	L0405940-05	5220D	CHEMICAL OXYGEN DEMAND	24		mg/l	y	20	4 2	1
2-SW23-02	2-Jun-04	L0405940-05	9060	TOTAL ORGANIC CARBON	3.1		mg/l	y	1	0.086	2
2-SW23-02	2-Jun-04	L0405940-05	2340B	HARDNESS	17		mg/l	y	1.7		1
2-SW23-02	2-Jun-04	L0405940-05	6010B	ALUMINUM, TOTAL	0.057	J	mg/l	y	0 1	0.019	1
2-SW23-02	2-Jun-04	L0405940-05	6020A	ANTIMONY, TOTAL	0.00029	J	mg/l	y	0 001	0 000022	1
2-SW23-02	2-Jun-04	L0405940-05	6020A	ARSENIC, TOTAL	0 00035	U	mg/l	n	0 001	0.000034	1
2-SW23-02	2-Jun-04	L0405940-05	6020A	BARIUM, TOTAL	0 0189		mg/l	y	0 001	0 000038	1
2-SW23-02	2-Jun-04	L0405940-05	6020A	BERYLLIUM, TOTAL	0 00002	U	mg/l	n	0.001	0 000015	1
2-SW23-02	2-Jun-04	L0405940-05	6020A	CADMIUM, TOTAL		U	mg/l	n	0 0001	0 000034	1
2-SW23-02	2-Jun-04	L0405940-05	6010B	CALCIUM, TOTAL	5 3		mg/l	y	0 1	0.015	1
2-SW23-02	2-Jun-04	L0405940-05	6020A	CHROMIUM, TOTAL	0 00039	J	mg/l	y	0 001	0.000031	1
2-SW23-02	2-Jun-04	L0405940-05	6020A	COBALT, TOTAL	0.00071	J	mg/l	y	0.001	0 000017	1
2-SW23-02	2-Jun-04	L0405940-05	6020A	COPPER, TOTAL	0 0015		mg/l	y	0 001	0 000172	1
2-SW23-02	2-Jun-04	L0405940-05	6010B	IRON, TOTAL	2 4	J	mg/l	y	0.05	0 013	1
2-SW23-02	2-Jun-04	L0405940-05	6020A	LEAD, TOTAL	0.00044	J	mg/l	y	0.0005	0 000028	1
2-SW23-02	2-Jun-04	L0405940-05	6010B	MAGNESIUM, TOTAL	0 98		mg/l	y	0.1	0 014	1
2-SW23-02	2-Jun-04	L0405940-05	6010B	MANGANESE, TOTAL	0.11		mg/l	y	0 01	0.0006	1
2-SW23-02	2-Jun-04	L0405940-05	7470A	MERCURY, TOTAL		U	mg/l	n	0 0002	0.000012	1
2-SW23-02	2-Jun-04	L0405940-05	6020A	MOLYBDENUM, TOTAL	0.00021	U	mg/l	n	0 001	0.00003	1
2-SW23-02	2-Jun-04	L0405940-05	6020A	NICKEL, TOTAL	0.0027		mg/l	y	0 001	0.000024	1
2-SW23-02	2-Jun-04	L0405940-05	6010B	POTASSIUM, TOTAL	1 4	J	mg/l	y	2 5	0.094	1
2-SW23-02	2-Jun-04	L0405940-05	6020A	SELENIUM, TOTAL		U	mg/l	n	0.002	0.000298	1
2-SW23-02	2-Jun-04	L0405940-05	6020A	SILVER, TOTAL		U	mg/l	n	0.001	0.000025	1
2-SW23-02	2-Jun-04	L0405940-05	6010B	SODIUM, TOTAL	6 9		mg/l	y	2	0.31	1
2-SW23-02	2-Jun-04	L0405940-05	6020A	THALLIUM, TOTAL	0.00003	U	mg/l	n	0.001	0.000026	1
2-SW23-02	2-Jun-04	L0405940-05	6020A	VANADIUM, TOTAL	0.001		mg/l	y	0.001	0.00003	1
2-SW23-02	2-Jun-04	L0405940-05	6020A	ZINC, TOTAL	0 1345		mg/l	y	0.005	0 000298	1
2-SW23-02	2-Jun-04	L0405940-05	6010B	ALUMINUM, DISSOLVED		U	mg/l	n	0 1	0 019	1
2-SW23-02	2-Jun-04	L0405940-05	6020A	ANTIMONY, DISSOLVED	0 00009	U	mg/l	n	0 001	0 000022	1
2-SW23-02	2-Jun-04	L0405940-05	6020A	ARSENIC, DISSOLVED	0.00024	U	mg/l	n	0 001	0.000034	1
2-SW23-02	2-Jun-04	L0405940-05	6020A	BARIUM, DISSOLVED	0.016		mg/l	y	0 001	0 000038	1
2-SW23-02	2-Jun-04	L0405940-05	6020A	BERYLLIUM, DISSOLVED		U	mg/l	n	0 001	0 000015	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-SW23-02	2-Jun-04	L0405940-05	6020A	CADMIUM, DISSOLVED		U	mg/l	n	0.0001	0.000034	1
2-SW23-02	2-Jun-04	L0405940-05	6010B	CALCIUM, DISSOLVED	4 8		mg/l	y	0.1	0.015	1
2-SW23-02	2-Jun-04	L0405940-05	6020A	CHROMIUM, DISSOLVED	0.00009	U	mg/l	n	0 001	0 000031	1
2-SW23-02	2-Jun-04	L0405940-05	6020A	COBALT, DISSOLVED	0 00058	J	mg/l	y	0 001	0.000017	1
2-SW23-02	2-Jun-04	L0405940-05	6020A	COPPER, DISSOLVED	0 00034	J	mg/l	y	0.001	0.000172	1
2-SW23-02	2-Jun-04	L0405940-05	6010B	IRON, DISSOLVED	0 46		mg/l	y	0 05	0.013	1
2-SW23-02	2-Jun-04	L0405940-05	6020A	LEAD, DISSOLVED	0 00038	U	mg/l	n	0 0005	0.000028	1
2-SW23-02	2-Jun-04	L0405940-05	6010B	MAGNESIUM, DISSOLVED	0.91		mg/l	y	0 1	0 014	1
2-SW23-02	2-Jun-04	L0405940-05	6010B	MANGANESE, DISSOLVED	0.1		mg/l	y	0 01	0 0006	1
2-SW23-02	2-Jun-04	L0405940-05	7470A	MERCURY, DISSOLVED		U	mg/l	n	0 0002	0 000012	1
2-SW23-02	2-Jun-04	L0405940-05	6020A	MOLYBDENUM, DISSOLVED	0.00012	U	mg/l	n	0 001	0.00003	1
2-SW23-02	2-Jun-04	L0405940-05	6020A	NICKEL, DISSOLVED	0 0022		mg/l	y	0 001	0 000024	1
2-SW23-02	2-Jun-04	L0405940-05	6010B	POTASSIUM, DISSOLVED	1 3	J	mg/l	y	2 5	0.094	1
2-SW23-02	2-Jun-04	L0405940-05	6020A	SELENIUM, DISSOLVED		U	mg/l	n	0 002	0 000298	1
2-SW23-02	2-Jun-04	L0405940-05	6020A	SILVER, DISSOLVED		U	mg/l	n	0.001	0 000025	1
2-SW23-02	2-Jun-04	L0405940-05	6010B	SODIUM, DISSOLVED	6.5		mg/l	y	2	0 31	1
2-SW23-02	2-Jun-04	L0405940-05	6020A	THALLIUM, DISSOLVED		U	mg/l	n	0.001	0 000026	1
2-SW23-02	2-Jun-04	L0405940-05	6020A	VANADIUM, DISSOLVED	0.00025	U	mg/l	n	0 001	0 00003	1
2-SW23-02	2-Jun-04	L0405940-05	6020A	ZINC, DISSOLVED	0.0825		mg/l	y	0.005	0.000298	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	1,2,4-TRICHLOROBENZENE		U	ug/l	n	5	1.3	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	HEXACHLOROBENZENE		U	ug/l	n	5	1.6	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	BIS(2-CHLOROETHYL)ETHER		U	ug/l	n	5	1 3	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	1,2-DICHLOROBENZENE		U	ug/l	n	5	1.1	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	1,3-DICHLOROBENZENE		U	ug/l	n	5	1	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	1,4-DICHLOROBENZENE		U	ug/l	n	5	0.96	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	3,3'-DICHLOROBENZIDINE		U	ug/l	n	50	2.6	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	2,4-DINITROTOLUENE		U	ug/l	n	6	0 48	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	2,6-DINITROTOLUENE		U	ug/l	n	5	0.96	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	4-CHLOROPHENYL PHENYL ETHER		U	ug/l	n	5	0.96	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	4-BROMOPHENYL PHENYL ETHER		U	ug/l	n	5	0.99	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	ug/l	n	5	2.2	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	BIS(2-CHLOROETHOXY)METHANE		U	ug/l	n	5	1.6	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	HEXACHLOROBUTADIENE		U	ug/l	n	10	2.1	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	HEXACHLOROETHANE		U	ug/l	n	5	0.97	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	ISOPHORONE		U	ug/l	n	5	1.6	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	NITROBENZENE		U	ug/l	n	5	1 6	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	ug/l	n	15	4 2	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	N-NITROSODI-N-PROPYLAMINE		U	ug/l	n	5	1.6	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	BIS(2-ETHYLHEXYL)PHTHALATE		U	ug/l	n	10	1.6	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	BUTYL BENZYL PHTHALATE		U	ug/l	n	5	0 67	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	DI-N-BUTYLPHTHALATE		U	ug/l	n	5	0.5	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	DI-N-OCTYLPHTHALATE		U	ug/l	n	5	0 54	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	DIETHYL PHTHALATE		U	ug/l	n	5	1 6	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	DIMETHYL PHTHALATE		U	ug/l	n	5	1 6	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	4-CHLOROANILINE		U	ug/l	n	5	1.4	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	2-NITROANILINE		U	ug/l	n	5	1 1	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	3-NITROANILINE		U	ug/l	n	5	1.1	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-SW23-02	2-Jun-04	L0405940-05	8270C	4-NITROANILINE		U	ug/l	n	7	1.3	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	DIBENZOFURAN		U	ug/l	n	5	0.92	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	2,4,6-TRICHLOROPHENOL		U	ug/l	n	5	1 2	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	P-CHLORO-M-CRESOL		U	ug/l	n	5	1 5	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	2-CHLOROPHENOL		U	ug/l	n	6	1.8	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	2,4-DICHLOROPHENOL		U	ug/l	n	10	2.1	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	2,4-DIMETHYLPHENOL		UJ	ug/l	n	10	3.1	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	2-NITROPHENOL		U	ug/l	n	20	2 3	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	4-NITROPHENOL		U	ug/l	n	10	1 6	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	2,4-DINITROPHENOL		U	ug/l	n	20	1	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	4,6-DINITRO-O-CRESOL		U	ug/l	n	20	1 4	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	PENTACHLOROPHENOL		U	ug/l	n	20	1 6	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	PHENOL		U	ug/l	n	7	1.2	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	2-METHYLPHENOL		U	ug/l	n	6	1.5	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	3-METHYLPHENOL/4-METHYLPHENOL		U	ug/l	n	6	1.6	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	2,4,5-TRICHLOROPHENOL		U	ug/l	n	5	0 96	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	BENZOIC ACID		U	ug/l	n	50	0.99	1
2-SW23-02	2-Jun-04	L0405940-05	8270C	CARBAZOLE		U	ug/l	n	5	1.6	1
2-SW23-02	2-Jun-04	L0405940-05	8270C-SIM	ACENAPHTHENE		UJ	ug/l	n	0.2	0.036	1
2-SW23-02	2-Jun-04	L0405940-05	8270C-SIM	2-CHLORONAPHTHALENE		U	ug/l	n	0 2	0.042	1
2-SW23-02	2-Jun-04	L0405940-05	8270C-SIM	FLUORANTHENE		U	ug/l	n	0 2	0.04	1
2-SW23-02	2-Jun-04	L0405940-05	8270C-SIM	NAPHTHALENE		U	ug/l	n	0.2	0.031	1
2-SW23-02	2-Jun-04	L0405940-05	8270C-SIM	BENZO(A)ANTHRACENE		UJ	ug/l	n	0.2	0.038	1
2-SW23-02	2-Jun-04	L0405940-05	8270C-SIM	BENZO(A)PYRENE		U	ug/l	n	0.2	0.04	1
2-SW23-02	2-Jun-04	L0405940-05	8270C-SIM	BENZO(B)FLUORANTHENE		UJ	ug/l	n	0.2	0.05	1
2-SW23-02	2-Jun-04	L0405940-05	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	ug/l	n	0.2	0.036	1
2-SW23-02	2-Jun-04	L0405940-05	8270C-SIM	CHRYSENE		U	ug/l	n	0 2	0.024	1
2-SW23-02	2-Jun-04	L0405940-05	8270C-SIM	ACENAPHTHYLENE		U	ug/l	n	0 2	0.03	1
2-SW23-02	2-Jun-04	L0405940-05	8270C-SIM	ANTHRACENE		U	ug/l	n	0.2	0 049	1
2-SW23-02	2-Jun-04	L0405940-05	8270C-SIM	BENZO(GHI)PERYLENE		U	ug/l	n	0 25	0.025	1
2-SW23-02	2-Jun-04	L0405940-05	8270C-SIM	FLUORENE		U	ug/l	n	0 2	0.024	1
2-SW23-02	2-Jun-04	L0405940-05	8270C-SIM	PHENANTHRENE		UJ	ug/l	n	0 2	0 031	1
2-SW23-02	2-Jun-04	L0405940-05	8270C-SIM	DIBENZO(A,H)ANTHRACENE		U	ug/l	n	0 2	0.017	1
2-SW23-02	2-Jun-04	L0405940-05	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	ug/l	n	0 2	0.026	1
2-SW23-02	2-Jun-04	L0405940-05	8270C-SIM	PYRENE		UJ	ug/l	n	0 2	0.046	1
2-SW23-02	2-Jun-04	L0405940-05	8270C-SIM	2-METHYLNAPHTHALENE		U	ug/l	n	0 2	0 036	1
3-GW12D-02	2-Jun-04	L0405940-06	6010B	ALUMINUM, TOTAL		U	mg/l	n	0 1	0 019	1
3-GW12D-02	2-Jun-04	L0405940-06	6020A	ANTIMONY, TOTAL	0.00005	U	mg/l	n	0 001	0 000022	1
3-GW12D-02	2-Jun-04	L0405940-06	6020A	ARSENIC, TOTAL	0 0008		mg/l	y	0 001	0 000034	1
3-GW12D-02	2-Jun-04	L0405940-06	6020A	BARIUM, TOTAL	0.0747		mg/l	y	0 001	0.000038	1
3-GW12D-02	2-Jun-04	L0405940-06	6020A	BERYLLIUM, TOTAL	0.00002	U	mg/l	n	0.001	0.000015	1
3-GW12D-02	2-Jun-04	L0405940-06	6020A	CADMIUM, TOTAL	0 00005	U	mg/l	n	0.0001	0 000034	1
3-GW12D-02	2-Jun-04	L0405940-06	6010B	CALCIUM, TOTAL	55		mg/l	y	0 1	0 015	1
3-GW12D-02	2-Jun-04	L0405940-06	6020A	CHROMIUM, TOTAL	0 00022	U	mg/l	n	0.001	0 000031	1
3-GW12D-02	2-Jun-04	L0405940-06	6020A	COBALT, TOTAL	0.011		mg/l	y	0.001	0.000017	1
3-GW12D-02	2-Jun-04	L0405940-06	6020A	COPPER, TOTAL	0.00055	J	mg/l	y	0.001	0.000172	1
3-GW12D-02	2-Jun-04	L0405940-06	6010B	IRON, TOTAL	15	J	mg/l	y	0 05	0 013	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
3-GW12D-02	2-Jun-04	L0405940-06	6020A	LEAD, TOTAL	0 00008	U	mg/l	n	0 0005	0 000028	1
3-GW12D-02	2-Jun-04	L0405940-06	6010B	MAGNESIUM, TOTAL	47		mg/l	y	0 1	0 014	1
3-GW12D-02	2-Jun-04	L0405940-06	6010B	MANGANESE, TOTAL	5 2		mg/l	y	0 01	0 0006	1
3-GW12D-02	2-Jun-04	L0405940-06	7470A	MERCURY, TOTAL		U	mg/l	n	0 0002	0.000012	1
3-GW12D-02	2-Jun-04	L0405940-06	6020A	MOLYBDENUM, TOTAL	0.00024	U	mg/l	n	0.001	0 00003	1
3-GW12D-02	2-Jun-04	L0405940-06	6020A	NICKEL, TOTAL	0.0032		mg/l	y	0 001	0.000024	1
3-GW12D-02	2-Jun-04	L0405940-06	6010B	POTASSIUM, TOTAL	29		mg/l	y	2 5	0 094	1
3-GW12D-02	2-Jun-04	L0405940-06	6020A	SELENIUM, TOTAL	0 002		mg/l	y	0 002	0.000298	1
3-GW12D-02	2-Jun-04	L0405940-06	6020A	SILVER, TOTAL	0 00003	U	mg/l	n	0 001	0.000025	1
3-GW12D-02	2-Jun-04	L0405940-06	6010B	SODIUM, TOTAL	440		mg/l	y	100	16	50
3-GW12D-02	2-Jun-04	L0405940-06	6020A	THALLIUM, TOTAL		U	mg/l	n	0.001	0.000026	1
3-GW12D-02	2-Jun-04	L0405940-06	6020A	VANADIUM, TOTAL	0 00042	J	mg/l	y	0 001	0 00003	1
3-GW12D-02	2-Jun-04	L0405940-06	6020A	ZINC, TOTAL	0.00326	J	mg/l	y	0 005	0.000298	1
3-GW12D-02	2-Jun-04	L0405940-06	6010B	ALUMINUM, DISSOLVED		U	mg/l	n	0 1	0.019	1
3-GW12D-02	2-Jun-04	L0405940-06	6020A	ANTIMONY, DISSOLVED	0.00003	U	mg/l	n	0 001	0.000022	1
3-GW12D-02	2-Jun-04	L0405940-06	6020A	ARSENIC, DISSOLVED	0 00078	J	mg/l	y	0 001	0.000034	1
3-GW12D-02	2-Jun-04	L0405940-06	6020A	BARIUM, DISSOLVED	0 0734		mg/l	y	0 001	0 000038	1
3-GW12D-02	2-Jun-04	L0405940-06	6020A	BERYLLIUM, DISSOLVED	0 00002	U	mg/l	n	0.001	0 000015	1
3-GW12D-02	2-Jun-04	L0405940-06	6020A	CADMIUM, DISSOLVED	0 00006	U	mg/l	n	0 0001	0.000034	1
3-GW12D-02	2-Jun-04	L0405940-06	6010B	CALCIUM, DISSOLVED	54		mg/l	y	0.1	0 015	1
3-GW12D-02	2-Jun-04	L0405940-06	6020A	CHROMIUM, DISSOLVED	0 0001	U	mg/l	n	0 001	0 000031	1
3-GW12D-02	2-Jun-04	L0405940-06	6020A	COBALT, DISSOLVED	0.0113		mg/l	y	0.001	0 000017	1
3-GW12D-02	2-Jun-04	L0405940-06	6020A	COPPER, DISSOLVED	0.00026	J	mg/l	y	0 001	0 000172	1
3-GW12D-02	2-Jun-04	L0405940-06	6010B	IRON, DISSOLVED	12		mg/l	y	0.05	0.013	1
3-GW12D-02	2-Jun-04	L0405940-06	6020A	LEAD, DISSOLVED	0.00024	U	mg/l	n	0 0005	0 000028	1
3-GW12D-02	2-Jun-04	L0405940-06	6010B	MAGNESIUM, DISSOLVED	46		mg/l	y	0 1	0 014	1
3-GW12D-02	2-Jun-04	L0405940-06	6010B	MANGANESE, DISSOLVED	5 2		mg/l	y	0 01	0.0006	1
3-GW12D-02	2-Jun-04	L0405940-06	7470A	MERCURY, DISSOLVED		U	mg/l	n	0 0002	0 000012	1
3-GW12D-02	2-Jun-04	L0405940-06	6020A	MOLYBDENUM, DISSOLVED	0 00016	U	mg/l	n	0 001	0 00003	1
3-GW12D-02	2-Jun-04	L0405940-06	6020A	NICKEL, DISSOLVED	0.0033		mg/l	y	0.001	0 000024	1
3-GW12D-02	2-Jun-04	L0405940-06	6010B	POTASSIUM, DISSOLVED	29		mg/l	y	2.5	0.094	1
3-GW12D-02	2-Jun-04	L0405940-06	6020A	SELENIUM, DISSOLVED	0.002		mg/l	y	0 002	0 000298	1
3-GW12D-02	2-Jun-04	L0405940-06	6020A	SILVER, DISSOLVED		U	mg/l	n	0.001	0.000025	1
3-GW12D-02	2-Jun-04	L0405940-06	6010B	SODIUM, DISSOLVED	420		mg/l	y	100	16	50
3-GW12D-02	2-Jun-04	L0405940-06	6020A	THALLIUM, DISSOLVED		U	mg/l	n	0 001	0.000026	1
3-GW12D-02	2-Jun-04	L0405940-06	6020A	VANADIUM, DISSOLVED	0 0002	U	mg/l	n	0.001	0 00003	1
3-GW12D-02	2-Jun-04	L0405940-06	6020A	ZINC, DISSOLVED	0 00391	J	mg/l	y	0 005	0.000298	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	1,2,4-TRICHLOROBENZENE		U	ug/l	n	5	1.3	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	HEXACHLOROBENZENE		U	ug/l	n	5	1.6	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	BIS(2-CHLOROETHYL)ETHER		U	ug/l	n	5	1 3	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	1,2-DICHLOROBENZENE		U	ug/l	n	5	1.1	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	1,3-DICHLOROBENZENE		U	ug/l	n	5	1	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	1,4-DICHLOROBENZENE		U	ug/l	n	5	0.96	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	3,3'-DICHLOROBENZIDINE		U	ug/l	n	50	2 6	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	2,4-DINITROTOLUENE		U	ug/l	n	6	0.48	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	2,6-DINITROTOLUENE		U	ug/l	n	5	0 96	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	4-CHLOROPHENYL PHENYL ETHER		U	ug/l	n	5	0 96	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
3-GW12D-02	2-Jun-04	L0405940-06	8270C	4-BROMOPHENYL PHENYL ETHER		U	ug/l	n	5	0.99	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	ug/l	n	5	2 2	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	BIS(2-CHLOROETHOXY)METHANE		U	ug/l	n	5	1.6	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	HEXACHLOROBUTADIENE		U	ug/l	n	10	2 1	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	HEXACHLOROETHANE		U	ug/l	n	5	0.97	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	ISOPHORONE		U	ug/l	n	5	1 6	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	NITROBENZENE		U	ug/l	n	5	1 6	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	ug/l	n	15	4 2	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	N-NITROSODI-N-PROPYLAMINE		U	ug/l	n	5	1.6	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	BIS(2-ETHYLHEXYL)PHTHALATE		U	ug/l	n	10	1 6	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	BUTYL BENZYL PHTHALATE		U	ug/l	n	5	0 67	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	DI-N-BUTYLPHTHALATE		U	ug/l	n	5	0 5	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	DI-N-OCTYLPHTHALATE		U	ug/l	n	5	0.54	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	DIETHYL PHTHALATE		U	ug/l	n	5	1 6	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	DIMETHYL PHTHALATE		U	ug/l	n	5	1.6	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	4-CHLOROANILINE		U	ug/l	n	5	1 4	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	2-NITROANILINE		U	ug/l	n	5	1 1	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	3-NITROANILINE		U	ug/l	n	5	1 1	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	4-NITROANILINE		U	ug/l	n	7	1.3	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	DIBENZOFURAN		U	ug/l	n	5	0.92	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	2,4,6-TRICHLOROPHENOL		U	ug/l	n	5	1 2	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	P-CHLORO-M-CRESOL		U	ug/l	n	5	1 5	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	2-CHLOROPHENOL		U	ug/l	n	6	1.8	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	2,4-DICHLOROPHENOL		U	ug/l	n	10	2 1	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	2,4-DIMETHYLPHENOL		UJ	ug/l	n	10	3 1	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	2-NITROPHENOL		U	ug/l	n	20	2 3	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	4-NITROPHENOL		U	ug/l	n	10	1.6	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	2,4-DINITROPHENOL		U	ug/l	n	20	1	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	4,6-DINITRO-O-CRESOL		U	ug/l	n	20	1 4	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	PENTACHLOROPHENOL		U	ug/l	n	20	1 6	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	PHENOL		U	ug/l	n	7	1 2	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	2-METHYLPHENOL		U	ug/l	n	6	1 5	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	3-METHYLPHENOL/4-METHYLPHENOL		U	ug/l	n	6	1 6	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	2,4,5-TRICHLOROPHENOL		U	ug/l	n	5	0 96	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	BENZOIC ACID		U	ug/l	n	50	0 99	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C	CARBAZOLE		U	ug/l	n	5	1 6	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C-SIM	ACENAPHTHENE		UJ	ug/l	n	0 2	0.036	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C-SIM	2-CHLORONAPHTHALENE		U	ug/l	n	0.2	0 042	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C-SIM	FLUORANTHENE		U	ug/l	n	0 2	0 04	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C-SIM	NAPHTHALENE		U	ug/l	n	0 2	0 031	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C-SIM	BENZO(A)ANTHRACENE		UJ	ug/l	n	0 2	0 038	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C-SIM	BENZO(A)PYRENE		U	ug/l	n	0.2	0 04	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C-SIM	BENZO(B)FLUORANTHENE		UJ	ug/l	n	0.2	0 05	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	ug/l	n	0 2	0 036	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C-SIM	CHRYSENE		U	ug/l	n	0 2	0 024	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C-SIM	ACENAPHTHYLENE		U	ug/l	n	0.2	0 03	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C-SIM	ANTHRACENE		U	ug/l	n	0.2	0 049	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
3-GW12D-02	2-Jun-04	L0405940-06	8270C-SIM	BENZO(GHI)PERYLENE		U	ug/l	n	0.25	0 025	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C-SIM	FLUORENE		U	ug/l	n	0 2	0 024	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C-SIM	PHENANTHRENE		UJ	ug/l	n	0.2	0.031	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C-SIM	DIBENZO(A,H)ANTHRACENE		U	ug/l	n	0.2	0 017	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	ug/l	n	0 2	0 026	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C-SIM	PYRENE		UJ	ug/l	n	0 2	0.046	1
3-GW12D-02	2-Jun-04	L0405940-06	8270C-SIM	2-METHYLNAPHTHALENE		U	ug/l	n	0 2	0 036	1
3-GW12D-02	2-Jun-04	L0405940-06	2320B	ALKALINITY, TOTAL	190		mg CaCO3	y	2	0.4	1
3-GW12D-02	2-Jun-04	L0405940-06	2540C	SOLIDS, TOTAL DISSOLVED	1700		mg/l	y	10	2.8	1
3-GW12D-02	2-Jun-04	L0405940-06	2540D	SOLIDS, TOTAL SUSPENDED	12		mg/l	y	5		1
3-GW12D-02	2-Jun-04	L0405940-06	9251	CHLORIDE	790		mg/l	y	10	0.36	10
3-GW12D-02	2-Jun-04	L0405940-06	9038	SULFATE	68		mg/l	y	50	7.1	5
3-GW12D-02	2-Jun-04	L0405940-06	5220D	CHEMICAL OXYGEN DEMAND	58		mg/l	y	20	4.2	1
3-GW12D-02	2-Jun-04	L0405940-06	9060	TOTAL ORGANIC CARBON	4 6		mg/l	y	2	0 17	4
3-GW12D-02	2-Jun-04	L0405940-06	2340B	HARDNESS	330		mg/l	y	1 7		1
2-GW45DS-02	2-Jun-04	L0405940-07	2320B	ALKALINITY, TOTAL	1000		mg CaCO3	y	5	1	2 5
2-GW45DS-02	2-Jun-04	L0405940-07	2540C	SOLIDS, TOTAL DISSOLVED	13000		mg/l	y	10	2.8	1
2-GW45DS-02	2-Jun-04	L0405940-07	2540D	SOLIDS, TOTAL SUSPENDED		U	mg/l	n	10		2
2-GW45DS-02	2-Jun-04	L0405940-07	9251	CHLORIDE	7400		mg/l	y	200	0 36	200
2-GW45DS-02	2-Jun-04	L0405940-07	9038	SULFATE	80		mg/l	y	50	7 1	5
2-GW45DS-02	2-Jun-04	L0405940-07	5220D	CHEMICAL OXYGEN DEMAND	620		mg/l	y	20	4 2	1
2-GW45DS-02	2-Jun-04	L0405940-07	9060	TOTAL ORGANIC CARBON	22		mg/l	y	10	0.86	20
2-GW45DS-02	2-Jun-04	L0405940-07	2340B	HARDNESS	2300		mg/l	y	17		10
2-GW45DS-02	2-Jun-04	L0405940-07	6010B	ALUMINUM, TOTAL	0.038	J	mg/l	y	0 1	0 019	1
2-GW45DS-02	2-Jun-04	L0405940-07	6020A	ANTIMONY, TOTAL	0 00063	U	mg/l	n	0 005	0.00011	5
2-GW45DS-02	2-Jun-04	L0405940-07	6020A	ARSENIC, TOTAL	0 0088		mg/l	y	0 005	0 00017	5
2-GW45DS-02	2-Jun-04	L0405940-07	6020A	BARIUM, TOTAL	0.0519		mg/l	y	0.005	0.00019	5
2-GW45DS-02	2-Jun-04	L0405940-07	6020A	BERYLLIUM, TOTAL		U	mg/l	n	0 005	0.000075	5
2-GW45DS-02	2-Jun-04	L0405940-07	6020A	CADMIUM, TOTAL	0.00019	U	mg/l	n	0 0005	0 00017	5
2-GW45DS-02	2-Jun-04	L0405940-07	6010B	CALCIUM, TOTAL	150		mg/l	y	1	0.15	10
2-GW45DS-02	2-Jun-04	L0405940-07	6020A	CHROMIUM, TOTAL	0 008		mg/l	y	0 005	0 000155	5
2-GW45DS-02	2-Jun-04	L0405940-07	6020A	COBALT, TOTAL	0 00053	U	mg/l	n	0 005	0 000085	5
2-GW45DS-02	2-Jun-04	L0405940-07	6020A	COPPER, TOTAL	0.00108	J	mg/l	y	0 005	0 00086	5
2-GW45DS-02	2-Jun-04	L0405940-07	6010B	IRON, TOTAL	0.42	J	mg/l	y	0 05	0 013	1
2-GW45DS-02	2-Jun-04	L0405940-07	6020A	LEAD, TOTAL	0 00049	U	mg/l	n	0.0025	0 00014	5
2-GW45DS-02	2-Jun-04	L0405940-07	6010B	MAGNESIUM, TOTAL	480		mg/l	y	1	0 14	10
2-GW45DS-02	2-Jun-04	L0405940-07	6010B	MANGANESE, TOTAL	0 03		mg/l	y	0.01	0.0006	1
2-GW45DS-02	2-Jun-04	L0405940-07	7470A	MERCURY, TOTAL	1 72E-05	J	mg/l	y	0.0002	0.000012	1
2-GW45DS-02	2-Jun-04	L0405940-07	6020A	MOLYBDENUM, TOTAL	0 00058	U	mg/l	n	0.005	0 00015	5
2-GW45DS-02	2-Jun-04	L0405940-07	6020A	NICKEL, TOTAL	0.00239	U	mg/l	n	0 005	0 00012	5
2-GW45DS-02	2-Jun-04	L0405940-07	6010B	POTASSIUM, TOTAL	270		mg/l	y	25	0.94	10
2-GW45DS-02	2-Jun-04	L0405940-07	6020A	SELENIUM, TOTAL	0 017	U	mg/l	n	0 01	0 00149	5
2-GW45DS-02	2-Jun-04	L0405940-07	6020A	SILVER, TOTAL	0 00081	U	mg/l	n	0 005	0 000125	5
2-GW45DS-02	2-Jun-04	L0405940-07	6010B	SODIUM, TOTAL	3900		mg/l	y	1000	160	500
2-GW45DS-02	2-Jun-04	L0405940-07	6020A	THALLIUM, TOTAL		U	mg/l	n	0 005	0 00013	5
2-GW45DS-02	2-Jun-04	L0405940-07	6020A	VANADIUM, TOTAL	0 006		mg/l	y	0 005	0 00015	5
2-GW45DS-02	2-Jun-04	L0405940-07	6020A	ZINC, TOTAL	0 01514	J	mg/l	y	0.025	0 00149	5

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-GW45DS-02	2-Jun-04	L0405940-07	6010B	ALUMINUM, DISSOLVED		U	mg/l	n	0.1	0.019	1
2-GW45DS-02	2-Jun-04	L0405940-07	6020A	ANTIMONY, DISSOLVED	0.00071	U	mg/l	n	0.005	0.00011	5
2-GW45DS-02	2-Jun-04	L0405940-07	6020A	ARSENIC, DISSOLVED	0 0099		mg/l	y	0 005	0 00017	5
2-GW45DS-02	2-Jun-04	L0405940-07	6020A	BARIUM, DISSOLVED	0.0526		mg/l	y	0 005	0.00019	5
2-GW45DS-02	2-Jun-04	L0405940-07	6020A	BERYLLIUM, DISSOLVED		U	mg/l	n	0 005	0.000075	5
2-GW45DS-02	2-Jun-04	L0405940-07	6020A	CADMIUM, DISSOLVED		U	mg/l	n	0 0005	0 00017	5
2-GW45DS-02	2-Jun-04	L0405940-07	6010B	CALCIUM, DISSOLVED	150		mg/l	y	1	0.15	10
2-GW45DS-02	2-Jun-04	L0405940-07	6020A	CHROMIUM, DISSOLVED	0.00454	J	mg/l	y	0.005	0.000155	5
2-GW45DS-02	2-Jun-04	L0405940-07	6020A	COBALT, DISSOLVED	0.00041	U	mg/l	n	0.005	0.000085	5
2-GW45DS-02	2-Jun-04	L0405940-07	6020A	COPPER, DISSOLVED		U	mg/l	n	0.005	0.00086	5
2-GW45DS-02	2-Jun-04	L0405940-07	6010B	IRON, DISSOLVED	0.06		mg/l	y	0 05	0.013	1
2-GW45DS-02	2-Jun-04	L0405940-07	6020A	LEAD, DISSOLVED	0.00034	U	mg/l	n	0.0025	0.00014	5
2-GW45DS-02	2-Jun-04	L0405940-07	6010B	MAGNESIUM, DISSOLVED	480		mg/l	y	1	0.14	10
2-GW45DS-02	2-Jun-04	L0405940-07	6010B	MANGANESE, DISSOLVED	0.02		mg/l	y	0.01	0 0006	1
2-GW45DS-02	2-Jun-04	L0405940-07	7470A	MERCURY, DISSOLVED		U	mg/l	n	0 0002	0 000012	1
2-GW45DS-02	2-Jun-04	L0405940-07	6020A	MOLYBDENUM, DISSOLVED	0.00062	U	mg/l	n	0 005	0 00015	5
2-GW45DS-02	2-Jun-04	L0405940-07	6020A	NICKEL, DISSOLVED	0.00055	U	mg/l	n	0 005	0.00012	5
2-GW45DS-02	2-Jun-04	L0405940-07	6010B	POTASSIUM, DISSOLVED	280		mg/l	y	25	0.94	10
2-GW45DS-02	2-Jun-04	L0405940-07	6020A	SELENIUM, DISSOLVED	0.016		mg/l	y	0.01	0 00149	5
2-GW45DS-02	2-Jun-04	L0405940-07	6020A	SILVER, DISSOLVED	0 00083	U	mg/l	n	0 005	0.000125	5
2-GW45DS-02	2-Jun-04	L0405940-07	6010B	SODIUM, DISSOLVED	4000		mg/l	y	1000	160	500
2-GW45DS-02	2-Jun-04	L0405940-07	6020A	THALLIUM, DISSOLVED		U	mg/l	n	0 005	0.00013	5
2-GW45DS-02	2-Jun-04	L0405940-07	6020A	VANADIUM, DISSOLVED	0 00497	J	mg/l	y	0 005	0 00015	5
2-GW45DS-02	2-Jun-04	L0405940-07	6020A	ZINC, DISSOLVED	0 00474	J	mg/l	y	0 025	0.00149	5
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	1,2,4-TRICHLOROBENZENE		U	ug/l	n	5	1.3	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	HEXACHLOROBENZENE		U	ug/l	n	5	1.6	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	BIS(2-CHLOROETHYL)ETHER		U	ug/l	n	5	1.3	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	1,2-DICHLOROBENZENE		U	ug/l	n	5	1 1	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	1,3-DICHLOROBENZENE		U	ug/l	n	5	1	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	1,4-DICHLOROBENZENE		U	ug/l	n	5	0 96	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	3,3'-DICHLOROBENZIDINE		U	ug/l	n	50	2.6	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	2,4-DINITROTOLUENE		U	ug/l	n	6	0.48	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	2,6-DINITROTOLUENE		U	ug/l	n	5	0 96	0.9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	4-CHLOROPHENYL PHENYL ETHER		U	ug/l	n	5	0.96	0.9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	4-BROMOPHENYL PHENYL ETHER		U	ug/l	n	5	0 99	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	ug/l	n	5	2 2	0.9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	BIS(2-CHLOROETHOXY)METHANE		U	ug/l	n	5	1 6	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	HEXACHLOROBUTADIENE		U	ug/l	n	10	2.1	0.9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	HEXACHLOROETHANE		U	ug/l	n	5	0.97	0.9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	ISOPHORONE		U	ug/l	n	5	1.6	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	NITROBENZENE		U	ug/l	n	5	1.6	0.9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	ug/l	n	15	4.2	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	N-NITROSODI-N-PROPYLAMINE		U	ug/l	n	5	1.6	0.9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	BIS(2-ETHYLHEXYL)PHTHALATE		U	ug/l	n	10	1 6	0.9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	BUTYL BENZYL PHTHALATE		U	ug/l	n	5	0.67	0.9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	DI-N-BUTYLPHTHALATE		U	ug/l	n	5	0.5	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	DI-N-OCTYLPHTHALATE		U	ug/l	n	5	0 54	0 9

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	DIETHYL PHTHALATE		U	ug/l	n	5	1 6	0.9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	DIMETHYL PHTHALATE		U	ug/l	n	5	1.6	0.9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	4-CHLOROANILINE		U	ug/l	n	5	1.4	0.9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	2-NITROANILINE		U	ug/l	n	5	1.1	0.9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	3-NITROANILINE		U	ug/l	n	5	1.1	0.9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	4-NITROANILINE		U	ug/l	n	7	1 3	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	DIBENZOFURAN		U	ug/l	n	5	0 92	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	2,4,6-TRICHLOROPHENOL		U	ug/l	n	5	1 2	0.9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	P-CHLORO-M-CRESOL		U	ug/l	n	5	1.5	0.9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	2-CHLOROPHENOL		U	ug/l	n	6	1 8	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	2,4-DICHLOROPHENOL		U	ug/l	n	10	2.1	0.9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	2,4-DIMETHYLPHENOL		UJ	ug/l	n	10	3.1	0.9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	2-NITROPHENOL		U	ug/l	n	20	2.3	0.9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	4-NITROPHENOL		U	ug/l	n	10	1.6	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	2,4-DINITROPHENOL		U	ug/l	n	20	1	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	4,6-DINITRO-O-CRESOL		U	ug/l	n	20	1.4	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	PENTACHLOROPHENOL		U	ug/l	n	20	1.6	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	PHENOL		U	ug/l	n	7	1.2	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	2-METHYLPHENOL		U	ug/l	n	6	1.5	0.9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	3-METHYLPHENOL/4-METHYLPHENOL		U	ug/l	n	6	1.6	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	2,4,5-TRICHLOROPHENOL		U	ug/l	n	5	0 96	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	BENZOIC ACID		U	ug/l	n	50	0 99	0.9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C	CARBAZOLE		U	ug/l	n	5	1.6	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C-SIM	ACENAPHTHENE		UJ	ug/l	n	0 2	0 036	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C-SIM	2-CHLORONAPHTHALENE		UJ	ug/l	n	0 2	0.042	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C-SIM	FLUORANTHENE		UJ	ug/l	n	0 2	0.04	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C-SIM	NAPHTHALENE		UJ	ug/l	n	0.2	0 031	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C-SIM	BENZO(A)ANTHRACENE		UJ	ug/l	n	0 2	0.038	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C-SIM	BENZO(A)PYRENE		UJ	ug/l	n	0.2	0.04	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C-SIM	BENZO(B)FLUORANTHENE		UJ	ug/l	n	0 2	0 05	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	ug/l	n	0 2	0.036	0.9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C-SIM	CHRYSENE		UJ	ug/l	n	0 2	0.024	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C-SIM	ACENAPHTHYLENE		UJ	ug/l	n	0.2	0.03	0.9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C-SIM	ANTHRACENE		UJ	ug/l	n	0 2	0 049	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C-SIM	BENZO(GHI)PERYLENE		UJ	ug/l	n	0 25	0 025	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C-SIM	FLUORENE		UJ	ug/l	n	0.2	0.024	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C-SIM	PHENANTHRENE		UJ	ug/l	n	0.2	0.031	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C-SIM	DIBENZO(A,H)ANTHRACENE		UJ	ug/l	n	0 2	0.017	0.9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C-SIM	INDENO(1,2,3-CD)PYRENE		UJ	ug/l	n	0 2	0 026	0 9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C-SIM	PYRENE		UJ	ug/l	n	0 2	0.046	0.9
2-GW45DS-02	2-Jun-04	L0405940-07	8270C-SIM	2-METHYLNAPHTHALENE		UJ	ug/l	n	0 2	0 036	0 9
2-SW22-02	2-Jun-04	L0405940-08	8270C-SIM	ACENAPHTHENE		UJ	ug/l	n	0 2	0.036	1
2-SW22-02	2-Jun-04	L0405940-08	8270C-SIM	2-CHLORONAPHTHALENE		U	ug/l	n	0 2	0 042	1
2-SW22-02	2-Jun-04	L0405940-08	8270C-SIM	FLUORANTHENE	0.21		ug/l	y	0.2	0.04	1
2-SW22-02	2-Jun-04	L0405940-08	8270C-SIM	NAPHTHALENE		U	ug/l	n	0.2	0 031	1
2-SW22-02	2-Jun-04	L0405940-08	8270C-SIM	BENZO(A)ANTHRACENE	0.094	J	ug/l	y	0 2	0 038	1
2-SW22-02	2-Jun-04	L0405940-08	8270C-SIM	BENZO(A)PYRENE	0.089	J	ug/l	y	0.2	0 04	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-SW22-02	2-Jun-04	L0405940-08	8270C-SIM	BENZO(B)FLUORANTHENE		UJ	ug/l	n	0 2	0.05	1
2-SW22-02	2-Jun-04	L0405940-08	8270C-SIM	BENZO(K)FLUORANTHENE	0 1	J	ug/l	y	0 2	0 036	1
2-SW22-02	2-Jun-04	L0405940-08	8270C-SIM	CHRYSENE	0 098	J	ug/l	y	0 2	0.024	1
2-SW22-02	2-Jun-04	L0405940-08	8270C-SIM	ACENAPHTHYLENE	0 042	J	ug/l	y	0 2	0.03	1
2-SW22-02	2-Jun-04	L0405940-08	8270C-SIM	ANTHRACENE		U	ug/l	n	0 2	0.049	1
2-SW22-02	2-Jun-04	L0405940-08	8270C-SIM	BENZO(GHI)PERYLENE		U	ug/l	n	0 25	0.025	1
2-SW22-02	2-Jun-04	L0405940-08	8270C-SIM	FLUORENE		U	ug/l	n	0 2	0 024	1
2-SW22-02	2-Jun-04	L0405940-08	8270C-SIM	PHENANTHRENE	0.08	J	ug/l	y	0 2	0.031	1
2-SW22-02	2-Jun-04	L0405940-08	8270C-SIM	DIBENZO(A,H)ANTHRACENE		U	ug/l	n	0 2	0 017	1
2-SW22-02	2-Jun-04	L0405940-08	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	ug/l	n	0.2	0 026	1
2-SW22-02	2-Jun-04	L0405940-08	8270C-SIM	PYRENE	0.18	J	ug/l	y	0.2	0 046	1
2-SW22-02	2-Jun-04	L0405940-08	8270C-SIM	2-METHYLNAPHTHALENE		U	ug/l	n	0 2	0.036	1
2-SW22-02	2-Jun-04	L0405940-08	2320B	ALKALINITY, TOTAL	40		mg CaCO3	y	2	0.4	1
2-SW22-02	2-Jun-04	L0405940-08	2540C	SOLIDS, TOTAL DISSOLVED	130		mg/l	y	10	2.8	1
2-SW22-02	2-Jun-04	L0405940-08	2540D	SOLIDS, TOTAL SUSPENDED	140		mg/l	y	20		4
2-SW22-02	2-Jun-04	L0405940-08	9251	CHLORIDE	35		mg/l	y	1	0.36	1
2-SW22-02	2-Jun-04	L0405940-08	9038	SULFATE		U	mg/l	n	10	1.4	1
2-SW22-02	2-Jun-04	L0405940-08	5220D	CHEMICAL OXYGEN DEMAND	140		mg/l	y	20	4 2	1
2-SW22-02	2-Jun-04	L0405940-08	9060	TOTAL ORGANIC CARBON	3 3		mg/l	y	1	0 086	2
2-SW22-02	2-Jun-04	L0405940-08	2340B	HARDNESS	40		mg/l	y	1.7		1
2-SW22-02	2-Jun-04	L0405940-08	6010B	ALUMINUM, TOTAL	2.5		mg/l	y	0 1	0 019	1
2-SW22-02	2-Jun-04	L0405940-08	6020A	ANTIMONY, TOTAL	0.002		mg/l	y	0 001	0 000022	1
2-SW22-02	2-Jun-04	L0405940-08	6020A	ARSENIC, TOTAL	0.0053		mg/l	y	0 001	0.000034	1
2-SW22-02	2-Jun-04	L0405940-08	6020A	BARIUM, TOTAL	0.0593		mg/l	y	0 001	0.000038	1
2-SW22-02	2-Jun-04	L0405940-08	6020A	BERYLLIUM, TOTAL	0.00017	U	mg/l	n	0.001	0.000015	1
2-SW22-02	2-Jun-04	L0405940-08	6020A	CADMIUM, TOTAL	0.0002		mg/l	y	0 0001	0 000034	1
2-SW22-02	2-Jun-04	L0405940-08	6010B	CALCIUM, TOTAL	11		mg/l	y	0.1	0 015	1
2-SW22-02	2-Jun-04	L0405940-08	6020A	CHROMIUM, TOTAL	0.0053		mg/l	y	0 001	0 000031	1
2-SW22-02	2-Jun-04	L0405940-08	6020A	COBALT, TOTAL	0 0021		mg/l	y	0.001	0 000017	1
2-SW22-02	2-Jun-04	L0405940-08	6020A	COPPER, TOTAL	0.0259		mg/l	y	0 001	0 000172	1
2-SW22-02	2-Jun-04	L0405940-08	6010B	IRON, TOTAL	34	J	mg/l	y	0 05	0 013	1
2-SW22-02	2-Jun-04	L0405940-08	6020A	LEAD, TOTAL	0 0145		mg/l	y	0.0005	0 000028	1
2-SW22-02	2-Jun-04	L0405940-08	6010B	MAGNESIUM, TOTAL	2 9		mg/l	y	0.1	0.014	1
2-SW22-02	2-Jun-04	L0405940-08	6010B	MANGANESE, TOTAL	0.39		mg/l	y	0 01	0.0006	1
2-SW22-02	2-Jun-04	L0405940-08	7470A	MERCURY, TOTAL	6.2E-05	J	mg/l	y	0 0002	0.000012	1
2-SW22-02	2-Jun-04	L0405940-08	6020A	MOLYBDENUM, TOTAL	0 0014		mg/l	y	0.001	0.00003	1
2-SW22-02	2-Jun-04	L0405940-08	6020A	NICKEL, TOTAL	0.0105		mg/l	y	0.001	0 000024	1
2-SW22-02	2-Jun-04	L0405940-08	6010B	POTASSIUM, TOTAL	3 3		mg/l	y	2.5	0 094	1
2-SW22-02	2-Jun-04	L0405940-08	6020A	SELENIUM, TOTAL	0.00129	J	mg/l	y	0.002	0.000298	1
2-SW22-02	2-Jun-04	L0405940-08	6020A	SILVER, TOTAL	0.00009	U	mg/l	n	0 001	0 000025	1
2-SW22-02	2-Jun-04	L0405940-08	6010B	SODIUM, TOTAL	20		mg/l	y	10	1 6	5
2-SW22-02	2-Jun-04	L0405940-08	6020A	THALLIUM, TOTAL	0.00007	U	mg/l	n	0 001	0.000026	1
2-SW22-02	2-Jun-04	L0405940-08	6020A	VANADIUM, TOTAL	0.0091		mg/l	y	0 001	0 00003	1
2-SW22-02	2-Jun-04	L0405940-08	6020A	ZINC, TOTAL	0.2163		mg/l	y	0 005	0.000298	1
2-SW22-02	2-Jun-04	L0405940-08	6010B	ALUMINUM, DISSOLVED		U	mg/l	n	0 1	0 019	1
2-SW22-02	2-Jun-04	L0405940-08	6020A	ANTIMONY, DISSOLVED	0 00013	U	mg/l	n	0.001	0 000022	1
2-SW22-02	2-Jun-04	L0405940-08	6020A	ARSENIC, DISSOLVED	0 00047	U	mg/l	n	0 001	0.000034	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-SW22-02	2-Jun-04	L0405940-08	6020A	BARIUM, DISSOLVED	0.0281		mg/l	y	0 001	0.000038	1
2-SW22-02	2-Jun-04	L0405940-08	6020A	BERYLLIUM, DISSOLVED		U	mg/l	n	0.001	0.000015	1
2-SW22-02	2-Jun-04	L0405940-08	6020A	CADMIUM, DISSOLVED		U	mg/l	n	0 0001	0.000034	1
2-SW22-02	2-Jun-04	L0405940-08	6010B	CALCIUM, DISSOLVED	9 9		mg/l	y	0.1	0.015	1
2-SW22-02	2-Jun-04	L0405940-08	6020A	CHROMIUM, DISSOLVED	0 00012	U	mg/l	n	0.001	0.000031	1
2-SW22-02	2-Jun-04	L0405940-08	6020A	COBALT, DISSOLVED	0 0006	J	mg/l	y	0 001	0.000017	1
2-SW22-02	2-Jun-04	L0405940-08	6020A	COPPER, DISSOLVED	0.00043	J	mg/l	y	0 001	0 000172	1
2-SW22-02	2-Jun-04	L0405940-08	6010B	IRON, DISSOLVED	0.5		mg/l	y	0 05	0 013	1
2-SW22-02	2-Jun-04	L0405940-08	6020A	LEAD, DISSOLVED	0 00036	U	mg/l	n	0.0005	0.000028	1
2-SW22-02	2-Jun-04	L0405940-08	6010B	MAGNESIUM, DISSOLVED	2		mg/l	y	0 1	0 014	1
2-SW22-02	2-Jun-04	L0405940-08	6010B	MANGANESE, DISSOLVED	0 28		mg/l	y	0 01	0.0006	1
2-SW22-02	2-Jun-04	L0405940-08	7470A	MERCURY, DISSOLVED		U	mg/l	n	0 0002	0.000012	1
2-SW22-02	2-Jun-04	L0405940-08	6020A	MOLYBDENUM, DISSOLVED	0.00014	U	mg/l	n	0 001	0.00003	1
2-SW22-02	2-Jun-04	L0405940-08	6020A	NICKEL, DISSOLVED	0 0022		mg/l	y	0 001	0 000024	1
2-SW22-02	2-Jun-04	L0405940-08	6010B	POTASSIUM, DISSOLVED	2.4	J	mg/l	y	2 5	0.094	1
2-SW22-02	2-Jun-04	L0405940-08	6020A	SELENIUM, DISSOLVED	0 00048	U	mg/l	n	0 002	0 000298	1
2-SW22-02	2-Jun-04	L0405940-08	6020A	SILVER, DISSOLVED		U	mg/l	n	0 001	0.000025	1
2-SW22-02	2-Jun-04	L0405940-08	6010B	SODIUM, DISSOLVED	19		mg/l	y	10	1.6	5
2-SW22-02	2-Jun-04	L0405940-08	6020A	THALLIUM, DISSOLVED		U	mg/l	n	0.001	0.000026	1
2-SW22-02	2-Jun-04	L0405940-08	6020A	VANADIUM, DISSOLVED	0 00013	U	mg/l	n	0.001	0.00003	1
2-SW22-02	2-Jun-04	L0405940-08	6020A	ZINC, DISSOLVED	0 0186		mg/l	y	0.005	0 000298	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	1,2,4-TRICHLOROBENZENE		U	ug/l	n	5	1 3	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	HEXACHLOROBENZENE		U	ug/l	n	5	1 6	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	BIS(2-CHLOROETHYL)ETHER		U	ug/l	n	5	1 3	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	1,2-DICHLOROBENZENE		U	ug/l	n	5	1.1	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	1,3-DICHLOROBENZENE		U	ug/l	n	5	1	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	1,4-DICHLOROBENZENE		U	ug/l	n	5	0 96	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	3,3'-DICHLOROBENZIDINE		U	ug/l	n	50	2 6	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	2,4-DINITROTOLUENE		U	ug/l	n	6	0 48	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	2,6-DINITROTOLUENE		U	ug/l	n	5	0 96	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	4-CHLOROPHENYL PHENYL ETHER		U	ug/l	n	5	0.96	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	4-BROMOPHENYL PHENYL ETHER		U	ug/l	n	5	0 99	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	ug/l	n	5	2 2	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	BIS(2-CHLOROETHOXY)METHANE		U	ug/l	n	5	1.6	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	HEXACHLOROBUTADIENE		U	ug/l	n	10	2.1	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	HEXACHLOROETHANE		U	ug/l	n	5	0 97	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	ISOPHORONE		U	ug/l	n	5	1 6	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	NITROBENZENE		U	ug/l	n	5	1 6	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	ug/l	n	15	4.2	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	N-NITROSODI-N-PROPYLAMINE		U	ug/l	n	5	1.6	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	BIS(2-ETHYLHEXYL)PHTHALATE		U	ug/l	n	10	1.6	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	BUTYL BENZYL PHTHALATE		U	ug/l	n	5	0.67	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	DI-N-BUTYLPHTHALATE		U	ug/l	n	5	0 5	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	DI-N-OCTYLPHTHALATE		U	ug/l	n	5	0 54	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	DIETHYL PHTHALATE		U	ug/l	n	5	1.6	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	DIMETHYL PHTHALATE		U	ug/l	n	5	1.6	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	4-CHLOROANILINE		U	ug/l	n	5	1 4	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-SW22-02	2-Jun-04	L0405940-08	8270C	2-NITROANILINE		U	ug/l	n	5	1.1	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	3-NITROANILINE		U	ug/l	n	5	1.1	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	4-NITROANILINE		U	ug/l	n	7	1 3	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	DIBENZOFURAN		U	ug/l	n	5	0.92	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	2,4,6-TRICHLOROPHENOL		U	ug/l	n	5	1 2	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	P-CHLORO-M-CRESOL		U	ug/l	n	5	1.5	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	2-CHLOROPHENOL		U	ug/l	n	6	1 8	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	2,4-DICHLOROPHENOL		U	ug/l	n	10	2.1	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	2,4-DIMETHYLPHENOL		UJ	ug/l	n	10	3 1	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	2-NITROPHENOL		U	ug/l	n	20	2 3	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	4-NITROPHENOL		U	ug/l	n	10	1 6	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	2,4-DINITROPHENOL		U	ug/l	n	20	1	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	4,6-DINITRO-O-CRESOL		U	ug/l	n	20	1 4	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	PENTACHLOROPHENOL		U	ug/l	n	20	1 6	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	PHENOL		U	ug/l	n	7	1 2	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	2-METHYLPHENOL		U	ug/l	n	6	1 5	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	3-METHYLPHENOL/4-METHYLPHENOL		U	ug/l	n	6	1 6	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	2,4,5-TRICHLOROPHENOL		U	ug/l	n	5	0 96	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	BENZOIC ACID		U	ug/l	n	50	0.99	1
2-SW22-02	2-Jun-04	L0405940-08	8270C	CARBAZOLE		U	ug/l	n	5	1 6	1
2-SW21-02	2-Jun-04	L0405940-09	2320B	ALKALINITY, TOTAL	29		mg CaCO3	y	2	0.4	1
2-SW21-02	2-Jun-04	L0405940-09	2540C	SOLIDS, TOTAL DISSOLVED	220		mg/l	y	10	2.8	1
2-SW21-02	2-Jun-04	L0405940-09	2540D	SOLIDS, TOTAL SUSPENDED	36		mg/l	y	5		1
2-SW21-02	2-Jun-04	L0405940-09	9251	CHLORIDE	82		mg/l	y	1	0 36	1
2-SW21-02	2-Jun-04	L0405940-09	9038	SULFATE	5.2	J	mg/l	y	10	1 4	1
2-SW21-02	2-Jun-04	L0405940-09	5220D	CHEMICAL OXYGEN DEMAND	52		mg/l	y	20	4.2	1
2-SW21-02	2-Jun-04	L0405940-09	9060	TOTAL ORGANIC CARBON	4.9		mg/l	y	2	0.17	4
2-SW21-02	2-Jun-04	L0405940-09	2340B	HARDNESS	39		mg/l	y	1 7		1
2-SW21-02	2-Jun-04	L0405940-09	6010B	ALUMINUM, TOTAL	0 32		mg/l	y	0 1	0.019	1
2-SW21-02	2-Jun-04	L0405940-09	6020A	ANTIMONY, TOTAL	0 00043	J	mg/l	y	0 001	0.000022	1
2-SW21-02	2-Jun-04	L0405940-09	6020A	ARSENIC, TOTAL	0 00088	J	mg/l	y	0.001	0.000034	1
2-SW21-02	2-Jun-04	L0405940-09	6020A	BARIUM, TOTAL	0 0248		mg/l	y	0.001	0.000038	1
2-SW21-02	2-Jun-04	L0405940-09	6020A	BERYLLIUM, TOTAL	0 00003	U	mg/l	n	0 001	0.000015	1
2-SW21-02	2-Jun-04	L0405940-09	6020A	CADMIUM, TOTAL		U	mg/l	n	0 0001	0 000034	1
2-SW21-02	2-Jun-04	L0405940-09	6010B	CALCIUM, TOTAL	11		mg/l	y	0 1	0 015	1
2-SW21-02	2-Jun-04	L0405940-09	6020A	CHROMIUM, TOTAL	0 00092	J	mg/l	y	0 001	0 000031	1
2-SW21-02	2-Jun-04	L0405940-09	6020A	COBALT, TOTAL	0.00039	J	mg/l	y	0.001	0 000017	1
2-SW21-02	2-Jun-04	L0405940-09	6020A	COPPER, TOTAL	0 002		mg/l	y	0 001	0 000172	1
2-SW21-02	2-Jun-04	L0405940-09	6010B	IRON, TOTAL	3 8	J	mg/l	y	0 05	0 013	1
2-SW21-02	2-Jun-04	L0405940-09	6020A	LEAD, TOTAL	0.0034		mg/l	y	0 0005	0 000028	1
2-SW21-02	2-Jun-04	L0405940-09	6010B	MAGNESIUM, TOTAL	3.1		mg/l	y	0 1	0.014	1
2-SW21-02	2-Jun-04	L0405940-09	6010B	MANGANESE, TOTAL	0.11		mg/l	y	0 01	0 0006	1
2-SW21-02	2-Jun-04	L0405940-09	7470A	MERCURY, TOTAL		U	mg/l	n	0 0002	0 000012	1
2-SW21-02	2-Jun-04	L0405940-09	6020A	MOLYBDENUM, TOTAL	0 00011	U	mg/l	n	0 001	0.00003	1
2-SW21-02	2-Jun-04	L0405940-09	6020A	NICKEL, TOTAL	0 0014		mg/l	y	0 001	0 000024	1
2-SW21-02	2-Jun-04	L0405940-09	6010B	POTASSIUM, TOTAL	3		mg/l	y	2 5	0.094	1
2-SW21-02	2-Jun-04	L0405940-09	6020A	SELENIUM, TOTAL	0.00043	J	mg/l	y	0 002	0 000298	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-SW21-02	2-Jun-04	L0405940-09	6020A	SILVER, TOTAL	0.00003	U	mg/l	n	0.001	0.000025	1
2-SW21-02	2-Jun-04	L0405940-09	6010B	SODIUM, TOTAL	51		mg/l	y	10	1 6	5
2-SW21-02	2-Jun-04	L0405940-09	6020A	THALLIUM, TOTAL		U	mg/l	n	0 001	0.000026	1
2-SW21-02	2-Jun-04	L0405940-09	6020A	VANADIUM, TOTAL	0 0014		mg/l	y	0.001	0 00003	1
2-SW21-02	2-Jun-04	L0405940-09	6020A	ZINC, TOTAL	0.0293		mg/l	y	0 005	0 000298	1
2-SW21-02	2-Jun-04	L0405940-09	6010B	ALUMINUM, DISSOLVED	0 031	J	mg/l	y	0 1	0 019	1
2-SW21-02	2-Jun-04	L0405940-09	6020A	ANTIMONY, DISSOLVED	0 00009	U	mg/l	n	0 001	0 000022	1
2-SW21-02	2-Jun-04	L0405940-09	6020A	ARSENIC, DISSOLVED	0 00051	U	mg/l	n	0.001	0 000034	1
2-SW21-02	2-Jun-04	L0405940-09	6020A	BARIUM, DISSOLVED	0.0218		mg/l	y	0 001	0 000038	1
2-SW21-02	2-Jun-04	L0405940-09	6020A	BERYLLIUM, DISSOLVED	0.00002	U	mg/l	n	0 001	0.000015	1
2-SW21-02	2-Jun-04	L0405940-09	6020A	CADMIUM, DISSOLVED	0.00005	U	mg/l	n	0.0001	0 000034	1
2-SW21-02	2-Jun-04	L0405940-09	6010B	CALCIUM, DISSOLVED	10		mg/l	y	0 1	0.015	1
2-SW21-02	2-Jun-04	L0405940-09	6020A	CHROMIUM, DISSOLVED	0 00022	U	mg/l	n	0.001	0 000031	1
2-SW21-02	2-Jun-04	L0405940-09	6020A	COBALT, DISSOLVED	0.00024	U	mg/l	n	0 001	0 000017	1
2-SW21-02	2-Jun-04	L0405940-09	6020A	COPPER, DISSOLVED	0.0004	J	mg/l	y	0.001	0 000172	1
2-SW21-02	2-Jun-04	L0405940-09	6010B	IRON, DISSOLVED	1.2		mg/l	y	0 05	0.013	1
2-SW21-02	2-Jun-04	L0405940-09	6020A	LEAD, DISSOLVED	0.0006	U	mg/l	n	0.0005	0 000028	1
2-SW21-02	2-Jun-04	L0405940-09	6010B	MAGNESIUM, DISSOLVED	3		mg/l	y	0 1	0 014	1
2-SW21-02	2-Jun-04	L0405940-09	6010B	MANGANESE, DISSOLVED	0 1		mg/l	y	0.01	0 0006	1
2-SW21-02	2-Jun-04	L0405940-09	7470A	MERCURY, DISSOLVED		U	mg/l	n	0 0002	0.000012	1
2-SW21-02	2-Jun-04	L0405940-09	6020A	MOLYBDENUM, DISSOLVED	0 00009	U	mg/l	n	0 001	0 00003	1
2-SW21-02	2-Jun-04	L0405940-09	6020A	SELENIUM, DISSOLVED		U	mg/l	n	0 002	0.000298	1
2-SW21-02	2-Jun-04	L0405940-09	6020A	SILVER, DISSOLVED		U	mg/l	n	0 001	0 000025	1
2-SW21-02	2-Jun-04	L0405940-09	6010B	SODIUM, DISSOLVED	52		mg/l	y	10	1 6	5
2-SW21-02	2-Jun-04	L0405940-09	6020A	THALLIUM, DISSOLVED		U	mg/l	n	0 001	0 000026	1
2-SW21-02	2-Jun-04	L0405940-09	6020A	VANADIUM, DISSOLVED	0 00032	U	mg/l	n	0.001	0.00003	1
2-SW21-02	2-Jun-04	L0405940-09	6020A	ZINC, DISSOLVED	0.0063		mg/l	y	0.005	0 000298	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	1,2,4-TRICHLOROBENZENE		U	ug/l	n	5	1.3	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	HEXACHLOROBENZENE		U	ug/l	n	5	1.6	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	BIS(2-CHLOROETHYL)ETHER		U	ug/l	n	5	1.3	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	1,2-DICHLOROBENZENE		U	ug/l	n	5	1.1	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	1,3-DICHLOROBENZENE		U	ug/l	n	5	1	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	1,4-DICHLOROBENZENE		U	ug/l	n	5	0 96	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	3,3'-DICHLOROBENZIDINE		U	ug/l	n	50	2 6	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	2,4-DINITROTOLUENE		U	ug/l	n	6	0.48	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	2,6-DINITROTOLUENE		U	ug/l	n	5	0 96	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	4-CHLOROPHENYL PHENYL ETHER		U	ug/l	n	5	0 96	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	4-BROMOPHENYL PHENYL ETHER		U	ug/l	n	5	0 99	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	ug/l	n	5	2.2	1
2-SW21-02	2-Jun-04	L0405940-09	6020A	NICKEL, DISSOLVED	0 00085	J	mg/l	y	0 001	0 000024	1
2-SW21-02	2-Jun-04	L0405940-09	6010B	POTASSIUM, DISSOLVED	2.9		mg/l	y	2 5	0 094	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	BIS(2-CHLOROETHOXY)METHANE		U	ug/l	n	5	1 6	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	HEXACHLOROBUTADIENE		U	ug/l	n	10	2 1	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	HEXACHLOROETHANE		U	ug/l	n	5	0 97	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	ISOPHORONE		U	ug/l	n	5	1 6	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	NITROBENZENE		U	ug/l	n	5	1 6	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	ug/l	n	15	4 2	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-SW21-02	2-Jun-04	L0405940-09	8270C	N-NITROSODI-N-PROPYLAMINE		U	ug/l	n	5	1 6	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	BIS(2-ETHYLHEXYL)PHTHALATE		U	ug/l	n	10	1 6	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	BUTYL BENZYL PHTHALATE		U	ug/l	n	5	0.67	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	DI-N-BUTYLPHTHALATE		U	ug/l	n	5	0 5	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	DI-N-OCTYLPHTHALATE		U	ug/l	n	5	0.54	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	DIETHYL PHTHALATE		U	ug/l	n	5	1.6	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	DIMETHYL PHTHALATE		U	ug/l	n	5	1 6	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	4-CHLOROANILINE		U	ug/l	n	5	1 4	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	2-NITROANILINE		U	ug/l	n	5	1 1	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	3-NITROANILINE		U	ug/l	n	5	1 1	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	4-NITROANILINE		U	ug/l	n	7	1 3	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	DIBENZOFURAN		U	ug/l	n	5	0 92	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	2,4,6-TRICHLOROPHENOL		U	ug/l	n	5	1 2	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	P-CHLORO-M-CRESOL		U	ug/l	n	5	1 5	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	2-CHLOROPHENOL		U	ug/l	n	6	1 8	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	2,4-DICHLOROPHENOL		U	ug/l	n	10	2 1	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	2,4-DIMETHYLPHENOL		UJ	ug/l	n	10	3 1	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	2-NITROPHENOL		U	ug/l	n	20	2 3	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	4,6-DINITRO-O-CRESOL		U	ug/l	n	20	1.4	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	PENTACHLOROPHENOL		U	ug/l	n	20	1.6	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	PHENOL		U	ug/l	n	7	1.2	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	2-METHYLPHENOL		U	ug/l	n	6	1.5	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	3-METHYLPHENOL/4-METHYLPHENOL		U	ug/l	n	6	1.6	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	2,4,5-TRICHLOROPHENOL		U	ug/l	n	5	0 96	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	BENZOIC ACID		U	ug/l	n	50	0 99	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	CARBAZOLE		U	ug/l	n	5	1 6	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	4-NITROPHENOL		U	ug/l	n	10	1 6	1
2-SW21-02	2-Jun-04	L0405940-09	8270C	2,4-DINITROPHENOL		U	ug/l	n	20	1	1
2-SW21-02	2-Jun-04	L0405940-09	8270C-SIM	ACENAPHTHENE			ug/l	y	0 2	0 036	1
2-SW21-02	2-Jun-04	L0405940-09	8270C-SIM	2-CHLORONAPHTHALENE		U	ug/l	n	0 2	0 042	1
2-SW21-02	2-Jun-04	L0405940-09	8270C-SIM	FLUORANTHENE	0.057	J	ug/l	y	0 2	0 04	1
2-SW21-02	2-Jun-04	L0405940-09	8270C-SIM	NAPHTHALENE	0 037	J	ug/l	y	0 2	0 031	1
2-SW21-02	2-Jun-04	L0405940-09	8270C-SIM	BENZO(A)ANTHRACENE		UJ	ug/l	n	0 2	0 038	1
2-SW21-02	2-Jun-04	L0405940-09	8270C-SIM	BENZO(A)PYRENE		U	ug/l	n	0.2	0.04	1
2-SW21-02	2-Jun-04	L0405940-09	8270C-SIM	BENZO(B)FLUORANTHENE		UJ	ug/l	n	0 2	0.05	1
2-SW21-02	2-Jun-04	L0405940-09	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	ug/l	n	0.2	0 036	1
2-SW21-02	2-Jun-04	L0405940-09	8270C-SIM	CHRYSENE		U	ug/l	n	0 2	0.024	1
2-SW21-02	2-Jun-04	L0405940-09	8270C-SIM	ACENAPHTHYLENE		U	ug/l	n	0 2	0 03	1
2-SW21-02	2-Jun-04	L0405940-09	8270C-SIM	ANTHRACENE		U	ug/l	n	0 2	0 049	1
2-SW21-02	2-Jun-04	L0405940-09	8270C-SIM	BENZO(GHI)PERYLENE		U	ug/l	n	0.25	0.025	1
2-SW21-02	2-Jun-04	L0405940-09	8270C-SIM	FLUORENE	0 049	J	ug/l	y	0 2	0 024	1
2-SW21-02	2-Jun-04	L0405940-09	8270C-SIM	PHENANTHRENE	0.11	J	ug/l	y	0.2	0 031	1
2-SW21-02	2-Jun-04	L0405940-09	8270C-SIM	DIBENZO(A,H)ANTHRACENE		UJ	ug/l	n	0 2	0 017	1
2-SW21-02	2-Jun-04	L0405940-09	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	ug/l	n	0 2	0 026	1
2-SW21-02	2-Jun-04	L0405940-09	8270C-SIM	PYRENE	0 058	J	ug/l	y	0 2	0 046	1
2-SW21-02	2-Jun-04	L0405940-09	8270C-SIM	2-METHYLNAPHTHALENE	0 14	J	ug/l	y	0 2	0 036	1
2-GW46DS-02	2-Jun-04	L0405940-10	6020A	THALLIUM, TOTAL		U	mg/l	n	0 005	0 00013	5

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-GW46DS-02	2-Jun-04	L0405940-10	6020A	VANADIUM, TOTAL	0 00479	J	mg/l	y	0 005	0 00015	5
2-GW46DS-02	2-Jun-04	L0405940-10	6020A	ZINC, TOTAL	0 0333		mg/l	y	0 025	0 00149	5
2-GW46DS-02	2-Jun-04	L0405940-10	6010B	ALUMINUM, DISSOLVED		U	mg/l	n	0.1	0 019	1
2-GW46DS-02	2-Jun-04	L0405940-10	6020A	ANTIMONY, DISSOLVED	0 00213	J	mg/l	y	0 005	0 00011	5
2-GW46DS-02	2-Jun-04	L0405940-10	6020A	ARSENIC, DISSOLVED	0 0226		mg/l	y	0.005	0 00017	5
2-GW46DS-02	2-Jun-04	L0405940-10	6020A	BARIUM, DISSOLVED	0 1027		mg/l	y	0.005	0 00019	5
2-GW46DS-02	2-Jun-04	L0405940-10	6020A	BERYLLIUM, DISSOLVED		U	mg/l	n	0 005	0 000075	5
2-GW46DS-02	2-Jun-04	L0405940-10	6020A	CADMIUM, DISSOLVED	0 00023	U	mg/l	n	0.0005	0 00017	5
2-GW46DS-02	2-Jun-04	L0405940-10	6010B	CALCIUM, DISSOLVED	300		mg/l	y	1	0.15	10
2-GW46DS-02	2-Jun-04	L0405940-10	6020A	CHROMIUM, DISSOLVED	0 0082		mg/l	y	0 005	0 000155	5
2-GW46DS-02	2-Jun-04	L0405940-10	6020A	COBALT, DISSOLVED	0 00086	U	mg/l	n	0.005	0.000085	5
2-GW46DS-02	2-Jun-04	L0405940-10	6020A	COPPER, DISSOLVED	0 00111	J	mg/l	y	0 005	0.00086	5
2-GW46DS-02	2-Jun-04	L0405940-10	6010B	IRON, DISSOLVED	0.11		mg/l	y	0 05	0 013	1
2-GW46DS-02	2-Jun-04	L0405940-10	6020A	LEAD, DISSOLVED	0.0006	U	mg/l	n	0.0025	0.00014	5
2-GW46DS-02	2-Jun-04	L0405940-10	6010B	MAGNESIUM, DISSOLVED	1000		mg/l	y	1	0 14	10
2-GW46DS-02	2-Jun-04	L0405940-10	6010B	MANGANESE, DISSOLVED	0 02		mg/l	y	0.01	0 0006	1
2-GW46DS-02	2-Jun-04	L0405940-10	7470A	MERCURY, DISSOLVED	4.06E-05	J	mg/l	y	0 0002	0.000012	1
2-GW46DS-02	2-Jun-04	L0405940-10	6020A	MOLYBDENUM, DISSOLVED	0.00046	U	mg/l	n	0 005	0.00015	5
2-GW46DS-02	2-Jun-04	L0405940-10	6020A	NICKEL, DISSOLVED	0.00129	U	mg/l	n	0.005	0 00012	5
2-GW46DS-02	2-Jun-04	L0405940-10	6010B	POTASSIUM, DISSOLVED	510		mg/l	y	25	0 94	10
2-GW46DS-02	2-Jun-04	L0405940-10	6020A	SELENIUM, DISSOLVED	0.037		mg/l	y	0 01	0 00149	5
2-GW46DS-02	2-Jun-04	L0405940-10	6020A	SILVER, DISSOLVED	0.00013	U	mg/l	n	0 005	0 000125	5
2-GW46DS-02	2-Jun-04	L0405940-10	6010B	SODIUM, DISSOLVED	8300		mg/l	y	1000	160	500
2-GW46DS-02	2-Jun-04	L0405940-10	6020A	THALLIUM, DISSOLVED		U	mg/l	n	0 005	0 00013	5
2-GW46DS-02	2-Jun-04	L0405940-10	6020A	VANADIUM, DISSOLVED	0 00444	J	mg/l	y	0 005	0.00015	5
2-GW46DS-02	2-Jun-04	L0405940-10	6020A	ZINC, DISSOLVED	0 00259	U	mg/l	n	0.025	0.00149	5
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	1,2,4-TRICHLOROBENZENE		U	ug/l	n	5	1.3	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	HEXACHLOROBENZENE		U	ug/l	n	5	1.6	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	BIS(2-CHLOROETHYL)ETHER		U	ug/l	n	5	1.3	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	1,2-DICHLOROBENZENE		U	ug/l	n	5	1.1	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	1,3-DICHLOROBENZENE		U	ug/l	n	5	1	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	1,4-DICHLOROBENZENE		U	ug/l	n	5	0.96	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	3,3'-DICHLOROBENZIDINE		U	ug/l	n	50	2 6	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	2,4-DINITROTOLUENE		U	ug/l	n	6	0.48	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	2,6-DINITROTOLUENE		U	ug/l	n	5	0 96	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	4-CHLOROPHENYL PHENYL ETHER		U	ug/l	n	5	0.96	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	4-BROMOPHENYL PHENYL ETHER		U	ug/l	n	5	0.99	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	ug/l	n	5	2 2	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	BIS(2-CHLOROETHOXY)METHANE		U	ug/l	n	5	1.6	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	HEXACHLOROBUTADIENE		U	ug/l	n	10	2.1	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	HEXACHLOROETHANE		U	ug/l	n	5	0.97	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	ISOPHORONE		U	ug/l	n	5	1.6	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	NITROBENZENE		U	ug/l	n	5	1.6	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	ug/l	n	15	4 2	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	N-NITROSODI-N-PROPYLAMINE		U	ug/l	n	5	1.6	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	BIS(2-ETHYLHEXYL)PHTHALATE		U	ug/l	n	10	1 6	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	BUTYL BENZYL PHTHALATE		U	ug/l	n	5	0 67	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	DI-N-BUTYLPHTHALATE		U	ug/l	n	5	0 5	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	DI-N-OCTYLPHTHALATE		U	ug/l	n	5	0.54	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	DIETHYL PHTHALATE		U	ug/l	n	5	1 6	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	DIMETHYL PHTHALATE		U	ug/l	n	5	1 6	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	4-CHLOROANILINE		U	ug/l	n	5	1.4	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	2-NITROANILINE		U	ug/l	n	5	1.1	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	3-NITROANILINE		U	ug/l	n	5	1.1	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	4-NITROANILINE		U	ug/l	n	7	1 3	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	DIBENZOFURAN		U	ug/l	n	5	0 92	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	2,4,6-TRICHLOROPHENOL		U	ug/l	n	5	1.2	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	P-CHLORO-M-CRESOL		U	ug/l	n	5	1.5	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	2-CHLOROPHENOL		U	ug/l	n	6	1.8	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	2,4-DICHLOROPHENOL		U	ug/l	n	10	2 1	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	2,4-DIMETHYLPHENOL		UJ	ug/l	n	10	3.1	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	2-NITROPHENOL		U	ug/l	n	20	2.3	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	4-NITROPHENOL		U	ug/l	n	10	1.6	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	2,4-DINITROPHENOL		U	ug/l	n	20	1	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	4,6-DINITRO-O-CRESOL		U	ug/l	n	20	1.4	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	PENTACHLOROPHENOL		U	ug/l	n	20	1 6	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	PHENOL		U	ug/l	n	7	1.2	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	2-METHYLPHENOL		U	ug/l	n	6	1.5	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	3-METHYLPHENOL/4-METHYLPHENOL		U	ug/l	n	6	1.6	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	2,4,5-TRICHLOROPHENOL		U	ug/l	n	5	0 96	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	BENZOIC ACID		U	ug/l	n	50	0.99	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C	CARBAZOLE		U	ug/l	n	5	1.6	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C-SIM	ACENAPHTHENE			ug/l	y	0.2	0.036	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C-SIM	2-CHLORONAPHTHALENE		U	ug/l	n	0 2	0.042	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C-SIM	FLUORANTHENE		U	ug/l	n	0 2	0 04	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C-SIM	NAPHTHALENE		U	ug/l	n	0.2	0.031	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C-SIM	BENZO(A)ANTHRACENE		UJ	ug/l	n	0 2	0.038	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C-SIM	BENZO(A)PYRENE		U	ug/l	n	0 2	0.04	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C-SIM	BENZO(B)FLUORANTHENE		UJ	ug/l	n	0 2	0.05	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	ug/l	n	0 2	0 036	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C-SIM	CHRYSENE		U	ug/l	n	0 2	0 024	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C-SIM	ACENAPHTHYLENE		U	ug/l	n	0.2	0 03	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C-SIM	ANTHRACENE		U	ug/l	n	0.2	0 049	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C-SIM	BENZO(GHI)PERYLENE		U	ug/l	n	0 25	0 025	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C-SIM	FLUORENE		U	ug/l	n	0 2	0 024	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C-SIM	PHENANTHRENE		UJ	ug/l	n	0.2	0.031	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C-SIM	DIBENZO(A,H)ANTHRACENE		UJ	ug/l	n	0.2	0 017	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	ug/l	n	0.2	0 026	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C-SIM	PYRENE		UJ	ug/l	n	0 2	0 046	1
2-GW46DS-02	2-Jun-04	L0405940-10	8270C-SIM	2-METHYLNAPHTHALENE		U	ug/l	n	0 2	0.036	1
2-GW46DS-02	2-Jun-04	L0405940-10	2320B	ALKALINITY, TOTAL	2200		mg CaCO3	y	5	1	2.5
2-GW46DS-02	2-Jun-04	L0405940-10	2540C	SOLIDS, TOTAL DISSOLVED	28000		mg/l	y	10	2 8	1
2-GW46DS-02	2-Jun-04	L0405940-10	2540D	SOLIDS, TOTAL SUSPENDED	21		mg/l	y	5		1
2-GW46DS-02	2-Jun-04	L0405940-10	9251	CHLORIDE	15000		mg/l	y	200	0 36	200

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-GW46DS-02	2-Jun-04	L0405940-10	9038	SULFATE	170		mg/l	y	100	14	10
2-GW46DS-02	2-Jun-04	L0405940-10	5220D	CHEMICAL OXYGEN DEMAND	630		mg/l	y	80	17	4
2-GW46DS-02	2-Jun-04	L0405940-10	9060	TOTAL ORGANIC CARBON	40		mg/l	y	20	1.7	40
2-GW46DS-02	2-Jun-04	L0405940-10	2340B	HARDNESS	5000		mg/l	y	17		10
2-GW46DS-02	2-Jun-04	L0405940-10	6010B	ALUMINUM, TOTAL	0 02	J	mg/l	y	0.1	0.019	1
2-GW46DS-02	2-Jun-04	L0405940-10	6020A	ANTIMONY, TOTAL	0 00255	J	mg/l	y	0 005	0 00011	5
2-GW46DS-02	2-Jun-04	L0405940-10	6020A	ARSENIC, TOTAL	0 0252		mg/l	y	0 005	0 00017	5
2-GW46DS-02	2-Jun-04	L0405940-10	6020A	BARIUM, TOTAL	0.1042		mg/l	y	0 005	0.00019	5
2-GW46DS-02	2-Jun-04	L0405940-10	6020A	BERYLLIUM, TOTAL	0 0001	U	mg/l	n	0 005	0.000075	5
2-GW46DS-02	2-Jun-04	L0405940-10	6020A	CADMIUM, TOTAL		U	mg/l	n	0.0005	0.00017	5
2-GW46DS-02	2-Jun-04	L0405940-10	6010B	CALCIUM, TOTAL	310		mg/l	y	1	0 15	10
2-GW46DS-02	2-Jun-04	L0405940-10	6020A	CHROMIUM, TOTAL	0.0106		mg/l	y	0.005	0.000155	5
2-GW46DS-02	2-Jun-04	L0405940-10	6020A	COBALT, TOTAL	0.00099	J	mg/l	y	0 005	0.000085	5
2-GW46DS-02	2-Jun-04	L0405940-10	6020A	COPPER, TOTAL	0.0022	J	mg/l	y	0 005	0 00086	5
2-GW46DS-02	2-Jun-04	L0405940-10	6010B	IRON, TOTAL	0 86	J	mg/l	y	0 05	0.013	1
2-GW46DS-02	2-Jun-04	L0405940-10	6020A	LEAD, TOTAL	0.00068	U	mg/l	n	0.0025	0.00014	5
2-GW46DS-02	2-Jun-04	L0405940-10	6010B	MAGNESIUM, TOTAL	1000		mg/l	y	1	0.14	10
2-GW46DS-02	2-Jun-04	L0405940-10	6010B	MANGANESE, TOTAL	0.02		mg/l	y	0 01	0 0006	1
2-GW46DS-02	2-Jun-04	L0405940-10	7470A	MERCURY, TOTAL	3 6E-05	J	mg/l	y	0 0002	0 000012	1
2-GW46DS-02	2-Jun-04	L0405940-10	6020A	MOLYBDENUM, TOTAL	0 00046	U	mg/l	n	0.005	0 00015	5
2-GW46DS-02	2-Jun-04	L0405940-10	6020A	NICKEL, TOTAL	0.00433	J	mg/l	y	0.005	0.00012	5
2-GW46DS-02	2-Jun-04	L0405940-10	6010B	POTASSIUM, TOTAL	520		mg/l	y	25	0.94	10
2-GW46DS-02	2-Jun-04	L0405940-10	6020A	SELENIUM, TOTAL	0.037		mg/l	y	0.01	0.00149	5
2-GW46DS-02	2-Jun-04	L0405940-10	6020A	SILVER, TOTAL	0.00018	U	mg/l	n	0.005	0 000125	5
2-GW46DS-02	2-Jun-04	L0405940-10	6010B	SODIUM, TOTAL	8400		mg/l	y	1000	160	500
2-SW18-02	2-Jun-04	L0405940-11	2320B	ALKALINITY, TOTAL	34		mg CaCO3	y	2	0 4	1
2-SW18-02	2-Jun-04	L0405940-11	2540C	SOLIDS, TOTAL DISSOLVED	220		mg/l	y	10	2 8	1
2-SW18-02	2-Jun-04	L0405940-11	2540D	SOLIDS, TOTAL SUSPENDED	54		mg/l	y	10		2
2-SW18-02	2-Jun-04	L0405940-11	9251	CHLORIDE	76		mg/l	y	1	0 36	1
2-SW18-02	2-Jun-04	L0405940-11	9038	SULFATE		U	mg/l	n	10	1.4	1
2-SW18-02	2-Jun-04	L0405940-11	5220D	CHEMICAL OXYGEN DEMAND	27		mg/l	y	20	4.2	1
2-SW18-02	2-Jun-04	L0405940-11	9060	TOTAL ORGANIC CARBON	4 6		mg/l	y	2	0 17	4
2-SW18-02	2-Jun-04	L0405940-11	2340B	HARDNESS	41		mg/l	y	1 7		1
2-SW18-02	2-Jun-04	L0405940-11	6010B	ALUMINUM, TOTAL	0 069	J	mg/l	y	0.1	0 019	1
2-SW18-02	2-Jun-04	L0405940-11	6020A	ANTIMONY, TOTAL	0 00041	J	mg/l	y	0.001	0 000022	1
2-SW18-02	2-Jun-04	L0405940-11	6020A	ARSENIC, TOTAL	0 00077	J	mg/l	y	0 001	0 000034	1
2-SW18-02	2-Jun-04	L0405940-11	6020A	BARIUM, TOTAL	0 0305		mg/l	y	0.001	0.000038	1
2-SW18-02	2-Jun-04	L0405940-11	6020A	BERYLLIUM, TOTAL	0 00003	U	mg/l	n	0 001	0 000015	1
2-SW18-02	2-Jun-04	L0405940-11	6020A	CADMIUM, TOTAL		U	mg/l	n	0 0001	0 000034	1
2-SW18-02	2-Jun-04	L0405940-11	6010B	CALCIUM, TOTAL	11		mg/l	y	0 1	0 015	1
2-SW18-02	2-Jun-04	L0405940-11	6020A	CHROMIUM, TOTAL	0 00072	J	mg/l	y	0 001	0 000031	1
2-SW18-02	2-Jun-04	L0405940-11	6020A	COBALT, TOTAL	0.00037	J	mg/l	y	0 001	0 000017	1
2-SW18-02	2-Jun-04	L0405940-11	6020A	COPPER, TOTAL	0.002		mg/l	y	0.001	0.000172	1
2-SW18-02	2-Jun-04	L0405940-11	6010B	IRON, TOTAL	9 8	J	mg/l	y	0.05	0 013	1
2-SW18-02	2-Jun-04	L0405940-11	6020A	LEAD, TOTAL	0 0004	J	mg/l	y	0.0005	0.000028	1
2-SW18-02	2-Jun-04	L0405940-11	6010B	MAGNESIUM, TOTAL	3		mg/l	y	0 1	0 014	1
2-SW18-02	2-Jun-04	L0405940-11	6010B	MANGANESE, TOTAL	0 26		mg/l	y	0 01	0 0006	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-SW18-02	2-Jun-04	L0405940-11	7470A	MERCURY, TOTAL		U	mg/l	n	0 0002	0 000012	1
2-SW18-02	2-Jun-04	L0405940-11	6020A	MOLYBDENUM, TOTAL	0.00009	U	mg/l	n	0.001	0.00003	1
2-SW18-02	2-Jun-04	L0405940-11	6020A	NICKEL, TOTAL	0.0013		mg/l	y	0 001	0 000024	1
2-SW18-02	2-Jun-04	L0405940-11	6010B	POTASSIUM, TOTAL	1.8	J	mg/l	y	2.5	0.094	1
2-SW18-02	2-Jun-04	L0405940-11	6020A	SELENIUM, TOTAL	0.00096	J	mg/l	y	0.002	0 000298	1
2-SW18-02	2-Jun-04	L0405940-11	6020A	SILVER, TOTAL	0.00008	U	mg/l	n	0 001	0 000025	1
2-SW18-02	2-Jun-04	L0405940-11	6010B	SODIUM, TOTAL	50		mg/l	y	10	1.6	5
2-SW18-02	2-Jun-04	L0405940-11	6020A	THALLIUM, TOTAL		U	mg/l	n	0.001	0 000026	1
2-SW18-02	2-Jun-04	L0405940-11	6020A	VANADIUM, TOTAL	0.002		mg/l	y	0 001	0.00003	1
2-SW18-02	2-Jun-04	L0405940-11	6020A	ZINC, TOTAL	0.0234		mg/l	y	0 005	0 000298	1
2-SW18-02	2-Jun-04	L0405940-11	6010B	ALUMINUM, DISSOLVED		U	mg/l	n	0 1	0 019	1
2-SW18-02	2-Jun-04	L0405940-11	6020A	ANTIMONY, DISSOLVED		U	mg/l	n	0 005	0 00011	5
2-SW18-02	2-Jun-04	L0405940-11	6020A	ARSENIC, DISSOLVED		U	mg/l	n	0 005	0 00017	5
2-SW18-02	2-Jun-04	L0405940-11	6020A	BARIUM, DISSOLVED	0 0251		mg/l	y	0 005	0 00019	5
2-SW18-02	2-Jun-04	L0405940-11	6020A	BERYLLIUM, DISSOLVED		U	mg/l	n	0.005	0.000075	5
2-SW18-02	2-Jun-04	L0405940-11	6020A	CADMIUM, DISSOLVED		U	mg/l	n	0 0005	0 00017	5
2-SW18-02	2-Jun-04	L0405940-11	6010B	CALCIUM, DISSOLVED	11		mg/l	y	0 1	0 015	1
2-SW18-02	2-Jun-04	L0405940-11	6020A	CHROMIUM, DISSOLVED	0.0004	U	mg/l	n	0.005	0.000155	5
2-SW18-02	2-Jun-04	L0405940-11	6020A	COBALT, DISSOLVED	0 00028	U	mg/l	n	0 005	0.000085	5
2-SW18-02	2-Jun-04	L0405940-11	6020A	COPPER, DISSOLVED		U	mg/l	n	0.005	0.00086	5
2-SW18-02	2-Jun-04	L0405940-11	6010B	IRON, DISSOLVED	0 67		mg/l	y	0 05	0 013	1
2-SW18-02	2-Jun-04	L0405940-11	6020A	LEAD, DISSOLVED	0 00046	U	mg/l	n	0 0025	0.00014	5
2-SW18-02	2-Jun-04	L0405940-11	6010B	MAGNESIUM, DISSOLVED	3 1		mg/l	y	0 1	0 014	1
2-SW18-02	2-Jun-04	L0405940-11	6010B	MANGANESE, DISSOLVED	0 24		mg/l	y	0 01	0 0006	1
2-SW18-02	2-Jun-04	L0405940-11	7470A	MERCURY, DISSOLVED		U	mg/l	n	0 0002	0 000012	1
2-SW18-02	2-Jun-04	L0405940-11	6020A	MOLYBDENUM, DISSOLVED		U	mg/l	n	0 005	0.00015	5
2-SW18-02	2-Jun-04	L0405940-11	6020A	NICKEL, DISSOLVED		U	mg/l	n	0 005	0.00012	5
2-SW18-02	2-Jun-04	L0405940-11	6010B	POTASSIUM, DISSOLVED	1.8	J	mg/l	y	2 5	0.094	1
2-SW18-02	2-Jun-04	L0405940-11	6020A	SELENIUM, DISSOLVED		U	mg/l	n	0.01	0 00149	5
2-SW18-02	2-Jun-04	L0405940-11	6020A	SILVER, DISSOLVED		U	mg/l	n	0.005	0.000125	5
2-SW18-02	2-Jun-04	L0405940-11	6010B	SODIUM, DISSOLVED	49		mg/l	y	10	1.6	5
2-SW18-02	2-Jun-04	L0405940-11	6020A	THALLIUM, DISSOLVED		U	mg/l	n	0 005	0 00013	5
2-SW18-02	2-Jun-04	L0405940-11	6020A	VANADIUM, DISSOLVED		U	mg/l	n	0 005	0.00015	5
2-SW18-02	2-Jun-04	L0405940-11	6020A	ZINC, DISSOLVED	0.00393	J	mg/l	y	0.025	0 00149	5
2-SW18-02	2-Jun-04	L0405940-11	8270C	1,2,4-TRICHLOROBENZENE		U	ug/l	n	5	1.3	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	HEXACHLOROBENZENE		U	ug/l	n	5	1.6	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	BIS(2-CHLOROETHYL)ETHER		U	ug/l	n	5	1.3	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	1,2-DICHLOROBENZENE		U	ug/l	n	5	1 1	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	1,3-DICHLOROBENZENE		U	ug/l	n	5	1	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	1,4-DICHLOROBENZENE		U	ug/l	n	5	0.96	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	3,3'-DICHLOROBENZIDINE		U	ug/l	n	50	2 6	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	2,4-DINITROTOLUENE		U	ug/l	n	6	0 48	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	2,6-DINITROTOLUENE		U	ug/l	n	5	0 96	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	4-CHLOROPHENYL PHENYL ETHER		U	ug/l	n	5	0.96	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	4-BROMOPHENYL PHENYL ETHER		U	ug/l	n	5	0 99	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	ug/l	n	5	2.2	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	BIS(2-CHLOROETHOXY)METHANE		U	ug/l	n	5	1.6	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-SW18-02	2-Jun-04	L0405940-11	8270C	HEXACHLOROBUTADIENE		U	ug/l	n	10	2.1	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	HEXACHLOROETHANE		U	ug/l	n	5	0.97	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	ISOPHORONE		U	ug/l	n	5	1 6	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	NITROBENZENE		U	ug/l	n	5	1 6	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	ug/l	n	15	4 2	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	N-NITROSODI-N-PROPYLAMINE		U	ug/l	n	5	1 6	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	BIS(2-ETHYLHEXYL)PHTHALATE		U	ug/l	n	10	1.6	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	BUTYL BENZYL PHTHALATE		U	ug/l	n	5	0 67	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	DI-N-BUTYLPHTHALATE		U	ug/l	n	5	0 5	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	DI-N-OCTYLPHTHALATE		U	ug/l	n	5	0 54	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	DIETHYL PHTHALATE		U	ug/l	n	5	1 6	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	DIMETHYL PHTHALATE		U	ug/l	n	5	1.6	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	4-CHLOROANILINE		U	ug/l	n	5	1.4	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	2-NITROANILINE		U	ug/l	n	5	1 1	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	3-NITROANILINE		U	ug/l	n	5	1.1	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	4-NITROANILINE		U	ug/l	n	7	1 3	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	DIBENZOFURAN		U	ug/l	n	5	0 92	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	2,4,6-TRICHLOROPHENOL		U	ug/l	n	5	1.2	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	P-CHLORO-M-CRESOL		U	ug/l	n	5	1 5	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	2-CHLOROPHENOL		U	ug/l	n	6	1.8	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	2,4-DICHLOROPHENOL		U	ug/l	n	10	2 1	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	2,4-DIMETHYLPHENOL		UJ	ug/l	n	10	3 1	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	2-NITROPHENOL		U	ug/l	n	20	2 3	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	4-NITROPHENOL		U	ug/l	n	10	1 6	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	2,4-DINITROPHENOL		U	ug/l	n	20	1	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	4,6-DINITRO-O-CRESOL		U	ug/l	n	20	1 4	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	PENTACHLOROPHENOL		U	ug/l	n	20	1 6	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	PHENOL		U	ug/l	n	7	1 2	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	2-METHYLPHENOL		U	ug/l	n	6	1.5	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	3-METHYLPHENOL/4-METHYLPHENOL		U	ug/l	n	6	1.6	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	2,4,5-TRICHLOROPHENOL		U	ug/l	n	5	0.96	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	BENZOIC ACID		U	ug/l	n	50	0 99	1
2-SW18-02	2-Jun-04	L0405940-11	8270C	CARBAZOLE		U	ug/l	n	5	1 6	1
2-SW18-02	2-Jun-04	L0405940-11	8270C-SIM	ACENAPHTHENE			ug/l	y	0 2	0 036	1
2-SW18-02	2-Jun-04	L0405940-11	8270C-SIM	2-CHLORONAPHTHALENE		U	ug/l	n	0 2	0 042	1
2-SW18-02	2-Jun-04	L0405940-11	8270C-SIM	FLUORANTHENE		U	ug/l	n	0 2	0.04	1
2-SW18-02	2-Jun-04	L0405940-11	8270C-SIM	NAPHTHALENE		U	ug/l	n	0.2	0 031	1
2-SW18-02	2-Jun-04	L0405940-11	8270C-SIM	BENZO(A)ANTHRACENE		UJ	ug/l	n	0 2	0 038	1
2-SW18-02	2-Jun-04	L0405940-11	8270C-SIM	BENZO(A)PYRENE		U	ug/l	n	0 2	0 04	1
2-SW18-02	2-Jun-04	L0405940-11	8270C-SIM	BENZO(B)FLUORANTHENE		UJ	ug/l	n	0 2	0 05	1
2-SW18-02	2-Jun-04	L0405940-11	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	ug/l	n	0 2	0 036	1
2-SW18-02	2-Jun-04	L0405940-11	8270C-SIM	CHRYSENE		U	ug/l	n	0 2	0 024	1
2-SW18-02	2-Jun-04	L0405940-11	8270C-SIM	ACENAPHTHYLENE		U	ug/l	n	0 2	0.03	1
2-SW18-02	2-Jun-04	L0405940-11	8270C-SIM	ANTHRACENE		U	ug/l	n	0 2	0 049	1
2-SW18-02	2-Jun-04	L0405940-11	8270C-SIM	BENZO(GHI)PERYLENE		U	ug/l	n	0 25	0.025	1
2-SW18-02	2-Jun-04	L0405940-11	8270C-SIM	FLUORENE		U	ug/l	n	0 2	0 024	1
2-SW18-02	2-Jun-04	L0405940-11	8270C-SIM	PHENANTHRENE		UJ	ug/l	n	0 2	0.031	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-SW18-02	2-Jun-04	L0405940-11	8270C-SIM	DIBENZO(A,H)ANTHRACENE		UJ	ug/l	n	0 2	0 017	1
2-SW18-02	2-Jun-04	L0405940-11	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	ug/l	n	0 2	0.026	1
2-SW18-02	2-Jun-04	L0405940-11	8270C-SIM	PYRENE		UJ	ug/l	n	0 2	0 046	1
2-SW18-02	2-Jun-04	L0405940-11	8270C-SIM	2-METHYLNAPHTHALENE		U	ug/l	n	0 2	0.036	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	ug/l	n	0 2	0.026	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C-SIM	PYRENE		UJ	ug/l	n	0.2	0.046	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C-SIM	2-METHYLNAPHTHALENE		U	ug/l	n	0 2	0.036	1
2-GW40DS-02	1-Jun-04	L0405940-12	2320B	ALKALINITY, TOTAL	1500		mg CaCO3	y	5	1	2.5
2-GW40DS-02	1-Jun-04	L0405940-12	2540C	SOLIDS, TOTAL DISSOLVED	20000		mg/l	y	10	2 8	1
2-GW40DS-02	1-Jun-04	L0405940-12	2540D	SOLIDS, TOTAL SUSPENDED	9.1		mg/l	y	5		1
2-GW40DS-02	1-Jun-04	L0405940-12	9251	CHLORIDE	11000		mg/l	y	200	0.36	200
2-GW40DS-02	1-Jun-04	L0405940-12	9038	SULFATE	600		mg/l	y	250	36	25
2-GW40DS-02	1-Jun-04	L0405940-12	5220D	CHEMICAL OXYGEN DEMAND	490		mg/l	y	40	8.3	2
2-GW40DS-02	1-Jun-04	L0405940-12	9060	TOTAL ORGANIC CARBON	36		mg/l	y	20	1.7	40
2-GW40DS-02	1-Jun-04	L0405940-12	2340B	HARDNESS	3400		mg/l	y	17		10
2-GW40DS-02	1-Jun-04	L0405940-12	6010B	ALUMINUM, TOTAL	0 62		mg/l	y	0 1	0.019	1
2-GW40DS-02	1-Jun-04	L0405940-12	6020A	ANTIMONY, TOTAL	0.00099	J	mg/l	y	0 005	0.00011	5
2-GW40DS-02	1-Jun-04	L0405940-12	6020A	ARSENIC, TOTAL	0 0141		mg/l	y	0 005	0 00017	5
2-GW40DS-02	1-Jun-04	L0405940-12	6020A	BARIUM, TOTAL	0.0839		mg/l	y	0 005	0 00019	5
2-GW40DS-02	1-Jun-04	L0405940-12	6020A	BERYLLIUM, TOTAL		U	mg/l	n	0.005	0.000075	5
2-GW40DS-02	1-Jun-04	L0405940-12	6020A	CADMIUM, TOTAL		U	mg/l	n	0.0005	0.00017	5
2-GW40DS-02	1-Jun-04	L0405940-12	6010B	CALCIUM, TOTAL	220		mg/l	y	1	0.15	10
2-GW40DS-02	1-Jun-04	L0405940-12	6020A	CHROMIUM, TOTAL	0 0291		mg/l	y	0 005	0 000155	5
2-GW40DS-02	1-Jun-04	L0405940-12	6020A	COBALT, TOTAL	0.00152	J	mg/l	y	0 005	0.000085	5
2-GW40DS-02	1-Jun-04	L0405940-12	6020A	COPPER, TOTAL	0 00306	J	mg/l	y	0 005	0 00086	5
2-GW40DS-02	1-Jun-04	L0405940-12	6010B	IRON, TOTAL	1.8	J	mg/l	y	0 05	0.013	1
2-GW40DS-02	1-Jun-04	L0405940-12	6020A	LEAD, TOTAL	0.00113	U	mg/l	n	0 0025	0.00014	5
2-GW40DS-02	1-Jun-04	L0405940-12	6010B	MAGNESIUM, TOTAL	710		mg/l	y	1	0 14	10
2-GW40DS-02	1-Jun-04	L0405940-12	6010B	MANGANESE, TOTAL	0.05		mg/l	y	0 01	0.0006	1
2-GW40DS-02	1-Jun-04	L0405940-12	7470A	MERCURY, TOTAL	3 02E-05	J	mg/l	y	0 0002	0.000012	1
2-GW40DS-02	1-Jun-04	L0405940-12	6020A	MOLYBDENUM, TOTAL	0 00141	U	mg/l	n	0.005	0.00015	5
2-GW40DS-02	1-Jun-04	L0405940-12	6020A	NICKEL, TOTAL	0 011		mg/l	y	0 005	0 00012	5
2-GW40DS-02	1-Jun-04	L0405940-12	6010B	POTASSIUM, TOTAL	490		mg/l	y	25	0.94	10
2-GW40DS-02	1-Jun-04	L0405940-12	6020A	SELENIUM, TOTAL	0 027	U	mg/l	n	0 01	0.00149	5
2-GW40DS-02	1-Jun-04	L0405940-12	6020A	SILVER, TOTAL		U	mg/l	n	0 005	0 000125	5
2-GW40DS-02	1-Jun-04	L0405940-12	6010B	SODIUM, TOTAL	6700		mg/l	y	1000	160	500
2-GW40DS-02	1-Jun-04	L0405940-12	6020A	THALLIUM, TOTAL		U	mg/l	n	0.005	0 00013	5
2-GW40DS-02	1-Jun-04	L0405940-12	6020A	VANADIUM, TOTAL	0 0091		mg/l	y	0 005	0 00015	5
2-GW40DS-02	1-Jun-04	L0405940-12	6020A	ZINC, TOTAL	0 0326		mg/l	y	0 025	0 00149	5
2-GW40DS-02	1-Jun-04	L0405940-12	6010B	ALUMINUM, DISSOLVED		U	mg/l	n	0 1	0 019	1
2-GW40DS-02	1-Jun-04	L0405940-12	6020A	ANTIMONY, DISSOLVED	0 00121	J	mg/l	y	0 005	0.00011	5
2-GW40DS-02	1-Jun-04	L0405940-12	6020A	ARSENIC, DISSOLVED	0 0107		mg/l	y	0 005	0 00017	5
2-GW40DS-02	1-Jun-04	L0405940-12	6020A	BARIUM, DISSOLVED	0 0547		mg/l	y	0.005	0 00019	5
2-GW40DS-02	1-Jun-04	L0405940-12	6020A	BERYLLIUM, DISSOLVED		U	mg/l	n	0 005	0.000075	5
2-GW40DS-02	1-Jun-04	L0405940-12	6020A	CADMIUM, DISSOLVED		U	mg/l	n	0 0005	0 00017	5
2-GW40DS-02	1-Jun-04	L0405940-12	6010B	CALCIUM, DISSOLVED	180		mg/l	y	1	0 15	10
2-GW40DS-02	1-Jun-04	L0405940-12	6020A	CHROMIUM, DISSOLVED	0 00377	J	mg/l	y	0 005	0.000155	5

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-GW40DS-02	1-Jun-04	L0405940-12	6020A	COBALT, DISSOLVED	0 00034	U	mg/l	n	0.005	0 000085	5
2-GW40DS-02	1-Jun-04	L0405940-12	6020A	COPPER, DISSOLVED		U	mg/l	n	0.005	0 00086	5
2-GW40DS-02	1-Jun-04	L0405940-12	6010B	IRON, DISSOLVED	0 24		mg/l	y	0 05	0.013	1
2-GW40DS-02	1-Jun-04	L0405940-12	6020A	LEAD, DISSOLVED	0 00039	U	mg/l	n	0 0025	0.00014	5
2-GW40DS-02	1-Jun-04	L0405940-12	6010B	MAGNESIUM, DISSOLVED	600		mg/l	y	1	0.14	10
2-GW40DS-02	1-Jun-04	L0405940-12	6010B	MANGANESE, DISSOLVED	0 0078	J	mg/l	y	0.01	0.0006	1
2-GW40DS-02	1-Jun-04	L0405940-12	7470A	MERCURY, DISSOLVED		U	mg/l	n	0.0002	0 000012	1
2-GW40DS-02	1-Jun-04	L0405940-12	6020A	MOLYBDENUM, DISSOLVED	0.00498	J	mg/l	y	0.005	0 00015	5
2-GW40DS-02	1-Jun-04	L0405940-12	6020A	NICKEL, DISSOLVED		U	mg/l	n	0.005	0.00012	5
2-GW40DS-02	1-Jun-04	L0405940-12	6010B	POTASSIUM, DISSOLVED	410		mg/l	y	25	0.94	10
2-GW40DS-02	1-Jun-04	L0405940-12	6020A	SELENIUM, DISSOLVED	0.023		mg/l	y	0 01	0.00149	5
2-GW40DS-02	1-Jun-04	L0405940-12	6020A	SILVER, DISSOLVED		U	mg/l	n	0 005	0 000125	5
2-GW40DS-02	1-Jun-04	L0405940-12	6010B	SODIUM, DISSOLVED	5700		mg/l	y	1000	160	500
2-GW40DS-02	1-Jun-04	L0405940-12	6020A	THALLIUM, DISSOLVED		U	mg/l	n	0 005	0 00013	5
2-GW40DS-02	1-Jun-04	L0405940-12	6020A	VANADIUM, DISSOLVED	0.0106		mg/l	y	0.005	0 00015	5
2-GW40DS-02	1-Jun-04	L0405940-12	6020A	ZINC, DISSOLVED	0.00204	U	mg/l	n	0.025	0 00149	5
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	1,2,4-TRICHLOROBENZENE		U	ug/l	n	5	1.3	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	HEXACHLOROBENZENE		U	ug/l	n	5	1.6	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	BIS(2-CHLOROETHYL)ETHER		U	ug/l	n	5	1.3	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	1,2-DICHLOROBENZENE		U	ug/l	n	5	1.1	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	1,3-DICHLOROBENZENE		U	ug/l	n	5	1	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	1,4-DICHLOROBENZENE		U	ug/l	n	5	0 96	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	3,3'-DICHLOROBENZIDINE		U	ug/l	n	50	2 6	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	2,4-DINITROTOLUENE		U	ug/l	n	6	0 48	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	2,6-DINITROTOLUENE		U	ug/l	n	5	0 96	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	4-CHLOROPHENYL PHENYL ETHER		U	ug/l	n	5	0.96	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	4-BROMOPHENYL PHENYL ETHER		U	ug/l	n	5	0.99	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	ug/l	n	5	2.2	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	BIS(2-CHLOROETHOXY)METHANE		U	ug/l	n	5	1.6	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	HEXACHLOROBUTADIENE		U	ug/l	n	10	2.1	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	HEXACHLOROETHANE		U	ug/l	n	5	0 97	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	ISOPHORONE		U	ug/l	n	5	1.6	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	NITROBENZENE		U	ug/l	n	5	1.6	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	ug/l	n	15	4 2	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	N-NITROSODI-N-PROPYLAMINE		U	ug/l	n	5	1 6	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	BIS(2-ETHYLHEXYL)PHTHALATE		U	ug/l	n	10	1 6	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	BUTYL BENZYL PHTHALATE		U	ug/l	n	5	0 67	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	DI-N-BUTYLPHTHALATE		U	ug/l	n	5	0 5	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	DI-N-OCTYLPHTHALATE		U	ug/l	n	5	0 54	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	DIETHYL PHTHALATE		U	ug/l	n	5	1 6	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	DIMETHYL PHTHALATE		U	ug/l	n	5	1 6	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	4-CHLOROANILINE		U	ug/l	n	5	1 4	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	2-NITROANILINE		U	ug/l	n	5	1.1	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	3-NITROANILINE		U	ug/l	n	5	1 1	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	4-NITROANILINE		U	ug/l	n	7	1.3	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	DIBENZOFURAN		U	ug/l	n	5	0 92	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	2,4,6-TRICHLOROPHENOL		U	ug/l	n	5	1.2	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	P-CHLORO-M-CRESOL		U	ug/l	n	5	1.5	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	2-CHLOROPHENOL		U	ug/l	n	6	1.8	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	2,4-DICHLOROPHENOL		U	ug/l	n	10	2 1	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	2,4-DIMETHYLPHENOL		UJ	ug/l	n	10	3 1	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	2-NITROPHENOL		U	ug/l	n	20	2 3	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	4-NITROPHENOL		U	ug/l	n	10	1.6	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	2,4-DINITROPHENOL		U	ug/l	n	20	1	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	4,6-DINITRO-O-CRESOL		U	ug/l	n	20	1.4	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	PENTACHLOROPHENOL		U	ug/l	n	20	1.6	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	PHENOL		U	ug/l	n	7	1.2	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	2-METHYLPHENOL		U	ug/l	n	6	1 5	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	3-METHYLPHENOL/4-METHYLPHENOL		U	ug/l	n	6	1.6	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	2,4,5-TRICHLOROPHENOL		U	ug/l	n	5	0.96	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	BENZOIC ACID		U	ug/l	n	50	0.99	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C	CARBAZOLE		U	ug/l	n	5	1 6	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C-SIM	ACENAPHTHENE			ug/l	y	0 2	0.036	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C-SIM	2-CHLORONAPHTHALENE		U	ug/l	n	0.2	0.042	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C-SIM	FLUORANTHENE		U	ug/l	n	0 2	0.04	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C-SIM	NAPHTHALENE		U	ug/l	n	0 2	0 031	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C-SIM	BENZO(A)ANTHRACENE		UJ	ug/l	n	0 2	0 038	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C-SIM	BENZO(A)PYRENE		U	ug/l	n	0 2	0 04	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C-SIM	BENZO(B)FLUORANTHENE		UJ	ug/l	n	0 2	0 05	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	ug/l	n	0 2	0 036	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C-SIM	CHRYSENE		U	ug/l	n	0 2	0.024	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C-SIM	ACENAPHTHYLENE		U	ug/l	n	0 2	0 03	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C-SIM	ANTHRACENE		U	ug/l	n	0 2	0.049	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C-SIM	BENZO(GHI)PERYLENE		U	ug/l	n	0 25	0.025	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C-SIM	FLUORENE		U	ug/l	n	0 2	0.024	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C-SIM	PHENANTHRENE		UJ	ug/l	n	0 2	0 031	1
2-GW40DS-02	1-Jun-04	L0405940-12	8270C-SIM	DIBENZO(A,H)ANTHRACENE		UJ	ug/l	n	0 2	0 017	1
2-GW39DS-02	1-Jun-04	L0405940-13	2320B	ALKALINITY, TOTAL	94		mg CaCO3	y	2	0.4	1
2-GW39DS-02	1-Jun-04	L0405940-13	2540C	SOLIDS, TOTAL DISSOLVED	800		mg/l	y	10	2.8	1
2-GW39DS-02	1-Jun-04	L0405940-13	2540D	SOLIDS, TOTAL SUSPENDED	46		mg/l	y	5		1
2-GW39DS-02	1-Jun-04	L0405940-13	9251	CHLORIDE	410		mg/l	y	10	0 36	10
2-GW39DS-02	1-Jun-04	L0405940-13	9038	SULFATE		U	mg/l	n	10	1.4	1
2-GW39DS-02	1-Jun-04	L0405940-13	5220D	CHEMICAL OXYGEN DEMAND	31		mg/l	y	20	4.2	1
2-GW39DS-02	1-Jun-04	L0405940-13	9060	TOTAL ORGANIC CARBON	4 1		mg/l	y	2	0 17	4
2-GW39DS-02	1-Jun-04	L0405940-13	2340B	HARDNESS	100		mg/l	y	1 7		1
2-GW39DS-02	1-Jun-04	L0405940-13	6010B	ALUMINUM, TOTAL	0.03	J	mg/l	y	0 1	0 019	1
2-GW39DS-02	1-Jun-04	L0405940-13	6020A	ANTIMONY, TOTAL	0.00011	U	mg/l	n	0 001	0.000022	1
2-GW39DS-02	1-Jun-04	L0405940-13	6020A	ARSENIC, TOTAL	0 00045	U	mg/l	n	0 001	0.000034	1
2-GW39DS-02	1-Jun-04	L0405940-13	6020A	BARIUM, TOTAL	0 1131		mg/l	y	0 001	0.000038	1
2-GW39DS-02	1-Jun-04	L0405940-13	6020A	BERYLLIUM, TOTAL		U	mg/l	n	0 001	0 000015	1
2-GW39DS-02	1-Jun-04	L0405940-13	6020A	CADMIUM, TOTAL		U	mg/l	n	0 0001	0.000034	1
2-GW39DS-02	1-Jun-04	L0405940-13	6010B	CALCIUM, TOTAL	31		mg/l	y	0 1	0 015	1
2-GW39DS-02	1-Jun-04	L0405940-13	6020A	CHROMIUM, TOTAL	0.00094	J	mg/l	y	0.001	0 000031	1
2-GW39DS-02	1-Jun-04	L0405940-13	6020A	COBALT, TOTAL	0.00011	U	mg/l	n	0 001	0 000017	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-GW39DS-02	1-Jun-04	L0405940-13	6020A	COPPER, TOTAL	0.00029	J	mg/l	y	0 001	0 000172	1
2-GW39DS-02	1-Jun-04	L0405940-13	6010B	IRON, TOTAL	22	J	mg/l	y	0 05	0.013	1
2-GW39DS-02	1-Jun-04	L0405940-13	6020A	LEAD, TOTAL	0 0002	U	mg/l	n	0.0005	0.000028	1
2-GW39DS-02	1-Jun-04	L0405940-13	6010B	MAGNESIUM, TOTAL	5 7		mg/l	y	0.1	0 014	1
2-GW39DS-02	1-Jun-04	L0405940-13	6010B	MANGANESE, TOTAL	0.55		mg/l	y	0 01	0.0006	1
2-GW39DS-02	1-Jun-04	L0405940-13	7470A	MERCURY, TOTAL		U	mg/l	n	0.0002	0 000012	1
2-GW39DS-02	1-Jun-04	L0405940-13	6020A	MOLYBDENUM, TOTAL	0 00028	U	mg/l	n	0.001	0.00003	1
2-GW39DS-02	1-Jun-04	L0405940-13	6020A	NICKEL, TOTAL	0 00085	J	mg/l	y	0 001	0 000024	1
2-GW39DS-02	1-Jun-04	L0405940-13	6010B	POTASSIUM, TOTAL	13		mg/l	y	2.5	0 094	1
2-GW39DS-02	1-Jun-04	L0405940-13	6020A	SELENIUM, TOTAL	0.00122	J	mg/l	y	0 002	0 000298	1
2-GW39DS-02	1-Jun-04	L0405940-13	6020A	SILVER, TOTAL	0.00007	U	mg/l	n	0.001	0 000025	1
2-GW39DS-02	1-Jun-04	L0405940-13	6010B	SODIUM, TOTAL	220		mg/l	y	100	16	50
2-GW39DS-02	1-Jun-04	L0405940-13	6020A	THALLIUM, TOTAL		U	mg/l	n	0.001	0 000026	1
2-GW39DS-02	1-Jun-04	L0405940-13	6020A	VANADIUM, TOTAL	0.0048		mg/l	y	0.001	0 00003	1
2-GW39DS-02	1-Jun-04	L0405940-13	6020A	ZINC, TOTAL	0.00289	J	mg/l	y	0 005	0.000298	1
2-GW39DS-02	1-Jun-04	L0405940-13	6010B	ALUMINUM, DISSOLVED		U	mg/l	n	0 1	0.019	1
2-GW39DS-02	1-Jun-04	L0405940-13	6020A	ANTIMONY, DISSOLVED	0 00011	U	mg/l	n	0 001	0.000022	1
2-GW39DS-02	1-Jun-04	L0405940-13	6020A	ARSENIC, DISSOLVED	0 00043	U	mg/l	n	0 001	0.000034	1
2-GW39DS-02	1-Jun-04	L0405940-13	6020A	BARIUM, DISSOLVED	0 1146		mg/l	y	0 001	0.000038	1
2-GW39DS-02	1-Jun-04	L0405940-13	6020A	BERYLLIUM, DISSOLVED		U	mg/l	n	0 001	0 000015	1
2-GW39DS-02	1-Jun-04	L0405940-13	6020A	CADMIUM, DISSOLVED	0 0001	U	mg/l	n	0.0001	0 000034	1
2-GW39DS-02	1-Jun-04	L0405940-13	6010B	CALCIUM, DISSOLVED	32		mg/l	y	0.1	0 015	1
2-GW39DS-02	1-Jun-04	L0405940-13	6020A	CHROMIUM, DISSOLVED	0.00038	J	mg/l	y	0.001	0.000031	1
2-GW39DS-02	1-Jun-04	L0405940-13	6020A	COBALT, DISSOLVED	0.00011	U	mg/l	n	0 001	0 000017	1
2-GW39DS-02	1-Jun-04	L0405940-13	6020A	COPPER, DISSOLVED	0 0002	J	mg/l	y	0 001	0.000172	1
2-GW39DS-02	1-Jun-04	L0405940-13	6010B	IRON, DISSOLVED	21		mg/l	y	0.05	0 013	1
2-GW39DS-02	1-Jun-04	L0405940-13	6020A	LEAD, DISSOLVED	0.00036	U	mg/l	n	0 0005	0.000028	1
2-GW39DS-02	1-Jun-04	L0405940-13	6010B	MAGNESIUM, DISSOLVED	6.4		mg/l	y	0 1	0.014	1
2-GW39DS-02	1-Jun-04	L0405940-13	6010B	MANGANESE, DISSOLVED	0 56		mg/l	y	0.01	0 0006	1
2-GW39DS-02	1-Jun-04	L0405940-13	7470A	MERCURY, DISSOLVED		U	mg/l	n	0 0002	0.000012	1
2-GW39DS-02	1-Jun-04	L0405940-13	6020A	MOLYBDENUM, DISSOLVED	0.00029	U	mg/l	n	0.001	0.00003	1
2-GW39DS-02	1-Jun-04	L0405940-13	6020A	NICKEL, DISSOLVED	0.0012		mg/l	y	0 001	0 000024	1
2-GW39DS-02	1-Jun-04	L0405940-13	6010B	POTASSIUM, DISSOLVED	14		mg/l	y	2.5	0 094	1
2-GW39DS-02	1-Jun-04	L0405940-13	6020A	SELENIUM, DISSOLVED	0.00084	U	mg/l	n	0.002	0 000298	1
2-GW39DS-02	1-Jun-04	L0405940-13	6020A	SILVER, DISSOLVED	0 00003	U	mg/l	n	0.001	0 000025	1
2-GW39DS-02	1-Jun-04	L0405940-13	6010B	SODIUM, DISSOLVED	230		mg/l	y	100	16	50
2-GW39DS-02	1-Jun-04	L0405940-13	6020A	THALLIUM, DISSOLVED		U	mg/l	n	0 001	0.000026	1
2-GW39DS-02	1-Jun-04	L0405940-13	6020A	VANADIUM, DISSOLVED	0.00387	J	mg/l	y	0 001	0 00003	1
2-GW39DS-02	1-Jun-04	L0405940-13	6020A	ZINC, DISSOLVED	0.00322	U	mg/l	n	0 005	0 000298	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	1,2,4-TRICHLOROBENZENE		U	ug/l	n	5	1.3	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	HEXACHLOROBENZENE		U	ug/l	n	5	1 6	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	BIS(2-CHLOROETHYL)ETHER		U	ug/l	n	5	1.3	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	1,2-DICHLOROBENZENE		U	ug/l	n	5	1.1	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	1,3-DICHLOROBENZENE		U	ug/l	n	5	1	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	1,4-DICHLOROBENZENE		U	ug/l	n	5	0 96	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	3,3'-DICHLOROBENZIDINE		U	ug/l	n	50	2 6	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	2,4-DINITROTOLUENE		U	ug/l	n	6	0 48	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	2,6-DINITROTOLUENE		U	ug/l	n	5	0.96	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	4-CHLOROPHENYL PHENYL ETHER		U	ug/l	n	5	0 96	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	4-BROMOPHENYL PHENYL ETHER		U	ug/l	n	5	0 99	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	ug/l	n	5	2.2	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	BIS(2-CHLOROETHOXY)METHANE		U	ug/l	n	5	1.6	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	HEXACHLOROBUTADIENE		U	ug/l	n	10	2 1	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	HEXACHLOROETHANE		U	ug/l	n	5	0.97	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	ISOPHORONE		U	ug/l	n	5	1 6	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	NITROBENZENE		U	ug/l	n	5	1 6	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	ug/l	n	15	4.2	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	N-NITROSODI-N-PROPYLAMINE		U	ug/l	n	5	1 6	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	BIS(2-ETHYLHEXYL)PHTHALATE		U	ug/l	n	10	1.6	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	BUTYL BENZYL PHTHALATE		U	ug/l	n	5	0.67	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	DI-N-BUTYLPHTHALATE		U	ug/l	n	5	0 5	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	DI-N-OCTYLPHTHALATE		U	ug/l	n	5	0.54	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	DIETHYL PHTHALATE		U	ug/l	n	5	1 6	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	DIMETHYL PHTHALATE		U	ug/l	n	5	1 6	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	4-CHLOROANILINE		U	ug/l	n	5	1 4	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	2-NITROANILINE		U	ug/l	n	5	1.1	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	3-NITROANILINE		U	ug/l	n	5	1.1	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	4-NITROANILINE		U	ug/l	n	7	1 3	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	DIBENZOFURAN		U	ug/l	n	5	0 92	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	2,4,6-TRICHLOROPHENOL		U	ug/l	n	5	1.2	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	P-CHLORO-M-CRESOL		U	ug/l	n	5	1 5	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	2-CHLOROPHENOL		U	ug/l	n	6	1 8	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	2,4-DICHLOROPHENOL		U	ug/l	n	10	2 1	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	2,4-DIMETHYLPHENOL		UJ	ug/l	n	10	3.1	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	2-NITROPHENOL		U	ug/l	n	20	2.3	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	4-NITROPHENOL		U	ug/l	n	10	1 6	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	2,4-DINITROPHENOL		U	ug/l	n	20	1	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	4,6-DINITRO-O-CRESOL		U	ug/l	n	20	1.4	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	PENTACHLOROPHENOL		U	ug/l	n	20	1.6	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	PHENOL		U	ug/l	n	7	1.2	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	2-METHYLPHENOL		U	ug/l	n	6	1 5	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	3-METHYLPHENOL/4-METHYLPHENOL		U	ug/l	n	6	1 6	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	2,4,5-TRICHLOROPHENOL		U	ug/l	n	5	0 96	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	BENZOIC ACID		U	ug/l	n	50	0.99	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C	CARBAZOLE		U	ug/l	n	5	1 6	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C-SIM	ACENAPHTHENE			ug/l	y	0 2	0.036	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C-SIM	2-CHLORONAPHTHALENE		U	ug/l	n	0 2	0.042	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C-SIM	FLUORANTHENE		U	ug/l	n	0 2	0 04	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C-SIM	NAPHTHALENE		U	ug/l	n	0 2	0 031	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C-SIM	BENZO(A)ANTHRACENE		UJ	ug/l	n	0 2	0 038	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C-SIM	BENZO(A)PYRENE		U	ug/l	n	0 2	0 04	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C-SIM	BENZO(B)FLUORANTHENE		UJ	ug/l	n	0 2	0 05	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	ug/l	n	0 2	0 036	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C-SIM	CHRYSENE		U	ug/l	n	0 2	0.024	1

Sample name	Sample Date	Lab Sample Name	Analytical Method	Analyte Name	Result Value	Data Qualifier	Units	Detect Flag	Reporting Limit	Method Detection Limit	Dilution Factor
2-GW39DS-02	1-Jun-04	L0405940-13	8270C-SIM	ACENAPHTHYLENE		U	ug/l	n	0.2	0 03	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C-SIM	ANTHRACENE		U	ug/l	n	0 2	0 049	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C-SIM	BENZO(GHI)PERYLENE		U	ug/l	n	0 25	0 025	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C-SIM	FLUORENE		U	ug/l	n	0 2	0 024	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C-SIM	PHENANTHRENE		UJ	ug/l	n	0 2	0.031	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C-SIM	DIBENZO(A,H)ANTHRACENE		UJ	ug/l	n	0.2	0 017	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	ug/l	n	0 2	0.026	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C-SIM	PYRENE		UJ	ug/l	n	0.2	0.046	1
2-GW39DS-02	1-Jun-04	L0405940-13	8270C-SIM	2-METHYLNAPHTHALENE		U	ug/l	n	0 2	0 036	1

Field Duplicate Worksheet - Round 14 - June 2004 - Area A - SDG 0405940

Field Sample	Analyte	Analytical Method	Result	Units	Qualifier	Field Duplicate	Analyte	Result	Units	Qualifier	Field Duplicate RPD
2-SW19-02	ACENAPHTHENE	8270C-SIM	0.067	ug/l	J	60204	ACENAPHTHENE		ug/l	UJ	NC
2-SW19-02	FLUORANTHENE	8270C-SIM	0.17	ug/l	J	60204	FLUORANTHENE		ug/l	UJ	NC
2-SW19-02	NAPHTHALENE	8270C-SIM	0.061	ug/l	J	60204	NAPHTHALENE		ug/l	UJ	NC
2-SW19-02	BENZO(A)ANTHRACENE	8270C-SIM	0.065	ug/l	J	60204	BENZO(A)ANTHRACENE		ug/l	UJ	NC
2-SW19-02	BENZO(K)FLUORANTHENE	8270C-SIM	0.11	ug/l	J	60204	BENZO(K)FLUORANTHENE		ug/l	UJ	NC
2-SW19-02	CHRYSENE	8270C-SIM	0.09	ug/l	J	60204	CHRYSENE		ug/l	UJ	NC
2-SW19-02	PHENANTHRENE	8270C-SIM	0.081	ug/l	J	60204	PHENANTHRENE		ug/l	UJ	NC
2-SW19-02	PYRENE	8270C-SIM	0.14	ug/l	J	60204	PYRENE		ug/l	UJ	NC
2-SW19-02	ANTIMONY, TOTAL	6020A	0.0011	mg/l		60204	ANTIMONY, TOTAL	0.00081	mg/l	J	30.4
2-SW19-02	ARSENIC, TOTAL	6020A	0.0029	mg/l		60204	ARSENIC, TOTAL	0 0016	mg/l		57.8
2-SW19-02	BARIUM, TOTAL	6020A	0.0513	mg/l		60204	BARIUM, TOTAL	0.0315	mg/l		47.8
2-SW19-02	CADMIUM, TOTAL	6020A	0.0002	mg/l	J	60204	CADMIUM, TOTAL	0.00006	mg/l	U	NC
2-SW19-02	CHROMIUM, TOTAL	6020A	0.002	mg/l		60204	CHROMIUM, TOTAL	0.0013	mg/l		42 4
2-SW19-02	COBALT, TOTAL	6020A	0.001	mg/l		60204	COBALT, TOTAL	0.00062	mg/l	J	46.9
2-SW19-02	COPPER, TOTAL	6020A	0.0127	mg/l		60204	COPPER, TOTAL	0.0057	mg/l		76.1
2-SW19-02	LEAD, TOTAL	6020A	0.0055	mg/l		60204	LEAD, TOTAL	0.0022	mg/l		85.7
2-SW19-02	NICKEL, TOTAL	6020A	0.004	mg/l		60204	NICKEL, TOTAL	0.0022	mg/l		58.1
2-SW19-02	SELENIUM, TOTAL	6020A	0.00035	mg/l	J	60204	SELENIUM, TOTAL	0.00032	mg/l	J	9.0
2-SW19-02	VANADIUM, TOTAL	6020A	0.0116	mg/l		60204	VANADIUM, TOTAL	0.0045	mg/l		88.2
2-SW19-02	ZINC, TOTAL	6020A	0.0909	mg/l		60204	ZINC, TOTAL	0.0387	mg/l		80.6
2-SW19-02	BARIUM, DISSOLVED	6020A	0.0214	mg/l		60204	BARIUM, DISSOLVED	0.0212	mg/l		0.9
2-SW19-02	COPPER, DISSOLVED	6020A	0.00039	mg/l	J	60204	COPPER, DISSOLVED	0.00028	mg/l	J	32.8
2-SW19-02	NICKEL, DISSOLVED	6020A	0.00099	mg/l	J	60204	NICKEL, DISSOLVED	0.00069	mg/l	J	35.7
2-SW19-02	ZINC, DISSOLVED	6020A	0.0069	mg/l		60204	ZINC, DISSOLVED	0.0059	mg/l		15.6
2-SW19-02	ALUMINUM, TOTAL	6010B	0.55	mg/l		60204	ALUMINUM, TOTAL	0.24	mg/l		78.5
2-SW19-02	CALCIUM, TOTAL	6010B	12	mg/l		60204	CALCIUM, TOTAL	11	mg/l		8.7
2-SW19-02	IRON, TOTAL	6010B	42	mg/l	J	60204	IRON, TOTAL	17	mg/l	J	84.7
2-SW19-02	MAGNESIUM, TOTAL	6010B	3.1	mg/l		60204	MAGNESIUM, TOTAL	3	mg/l		3.3
2-SW19-02	MANGANESE, TOTAL	6010B	0 16	mg/l		60204	MANGANESE, TOTAL	0.11	mg/l		37.0
2-SW19-02	POTASSIUM, TOTAL	6010B	3.8	mg/l		60204	POTASSIUM, TOTAL	3.1	mg/l		20.3
2-SW19-02	SODIUM, TOTAL	6010B	52	mg/l		60204	SODIUM, TOTAL	52	mg/l		0.0
2-SW19-02	CALCIUM, DISSOLVED	6010B	10	mg/l		60204	CALCIUM, DISSOLVED	9.8	mg/l		2.0
2-SW19-02	IRON, DISSOLVED	6010B	0.59	mg/l		60204	IRON, DISSOLVED	0.036	mg/l	J	177.0
2-SW19-02	MAGNESIUM, DISSOLVED	6010B	2.9	mg/l		60204	MAGNESIUM, DISSOLVED	3	mg/l		3.4
2-SW19-02	MANGANESE, DISSOLVED	6010B	0.08	mg/l		60204	MANGANESE, DISSOLVED	0.08	mg/l		0.0
2-SW19-02	POTASSIUM, DISSOLVED	6010B	2.7	mg/l		60204	POTASSIUM, DISSOLVED	2.7	mg/l		0.0
2-SW19-02	SODIUM, DISSOLVED	6010B	53	mg/l		60204	SODIUM, DISSOLVED	50	mg/l		5.8

CHAIN OF CUSTODY

PAGE 1 OF 2

ALPHA

Eight Walk Up Drive Westborough, MA 01581
TEL 508-898-9220 FAX. 508-898-9193

Date Rec'd in Lab: 6/2/04

ALPHA J b #: L0405940

Client Information

Client: Environmental Chemical Corporation
Address: 50 D'ANGELO DRIVE
MARLBOROUGH, MA 01752
Phone: 508-229-2270
Fax
Email:

☒ These samples have been Previously analyzed by Alpha

Project Information

Project Name: AREA A LANDFILL
Project Location: NEW LONDON, CT
Project #
Project Manager:
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date. 6/16/04 Time.

Report Information Data Deliverables

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #

Regulatory Requirements/Report Limits

State/Fed Program Criteria

MCP PRESUMPTIVE CERTAINTY-THESE QUESTIONS MUST BE ANSWERED

☐ Yes	☐ No	Are MCP Analytical Methods Required?
☐ Yes	☐ No	Are Drinking Water Samples Submitted?
☐ Yes	☐ No	Have you met minimum field QC requirements?

Other Project Specific Requirements/Comments/Detection Limits.
Dissolved metals are field filtered.

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	SVOC-8270C	PAH-8270C SIM	TOTAL METALS	DISSOLVED METALS	HARDNESS, TDS, ALK, CL, SO4	TOC	TSS	COD					Sample Specific Comments
05940.1	2-SW19-02	6/2/04	0750	SW		X	X	X	X	X	X	X	X					
2	060204	6/2/04	0000	SW		X	X	X	X	X	X	X	X					
3	3-GW37S-02	6/2/04	0855	GW		X	X	X	X	X	X	X	X					
4	3-SP01-02	6/2/04	0930	SW		X	X	X	X	X	X	X	X					
5	2-SW23-02	6/2/04	1030	SW		X	X	X	X	X	X	X	X					
6	3-GW12D-02	6/2/04	1115	GW		X	X	X	X	X	X	X	X					
7	2-GW45DS-02	6/2/04	0856	GW		X	X	X	X	X	X	X	X					
8	2-SW22-02	6/2/04	0830	SW		X	X	X	X	X	X	X	X					
9	2-SW20-02	6/2/04	1340	SW		X	X	X	X	X	X	X	X					
10	2-GW46DS-02	6/2/04	1108	GW		X	X	X	X	X	X	X	X					
					Container Type	-	-	-	-	-	-	-	-	-	-	-	-	
					Preservative	-	-	-	-	-	-	-	-	-	-	-	-	

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

IS YOUR PROJECT **MCP?**

Relinquished By	Date/Time	Received By	Date/Time
[illegible]	6/2/04 1645	[illegible]	6/2/04 1830
[illegible]	6/2/04 1830	[illegible]	6/2/04 1830

Please print clearly, legi and completely Sampl not be logged in and turnaround time clock w start until any ambiguitie resolved All samples submitted are subject to Alpha's Payment Terms

FORM NO 01-01 Internal

CHAIN OF CUSTODY

PAGE 2 OF 2

ALPHA ANALYTICAL LAB

Eight Walk Up Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Date Rec'd in Lab. 6/2/04

ALPHA Job #: L0405940

Client Information

Client: Environmental Chemical Corporation
Address: 50 D'ANGELO DRIVE
MARLBOROUGH, MA 01752
Phone: 508-229-2270
Fax:
Email:
☒ These samples have been Previously analyzed by Alpha

Project Information

Project Name: AREA A LANDFILL
Project Location: NEW LONDON, CT
Project #:
Project Manager:
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 6/16/04 Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #

Regulatory Requirements/Report Limits

State/Fed Program Criteria

MCP PRESUMPTIVE CERTAINTY-THESE QUESTIONS MUST BE ANSWERED

☐ Yes	☐ No	Are MCP Analytical Methods Required?
☐ Yes	☐ No	Are Drinking Water Samples Submitted?
☐ Yes	☐ No	Have you met minimum field QC requirements?

Other Project Specific Requirements/Comments/Detection Limits:
Dissolved metals are field filtered

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	SVOC-8270C	PAH-8270C SIM	TOTAL METALS	DISSOLVED METALS	HARDNESS, TDS, Alk, Cl,	TOC	TSS	COD					Sample Specific Comments
05940-11	2-SW18-02	6/2/04	1155	SW		X	X	X	X	X	X	X	X					
12	2-GW40DS-02	6/1/04	1611	GW		X	X	X	X	X	X	X	X					
13	2-GW39DS-02	6/1/04	1421	GW		X	X	X	X	X	X	X	X					
Container Type						-	-	-	-	-	-	-	-	-	-	-	-	
Preservative						-	-	-	-	-	-	-	-	-	-	-	-	

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

IS YOUR PROJECT MCP?

FORM NO 01-01 Internal

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	6/2/04 1645	[illegible]	6/2/04 [illegible]
[illegible]	6/2/04 1830	[illegible]	6/3/04 1830

Please print clearly, legi and completely Sampl not be logged in and turnaround time clock w start until any ambiguitie resolved All samples submitted are subject to Alpha's Payment Terms