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Final
Year 4 Annual
Groundwater Monitoring Report
for
Area A Landfill

Naval Submarine Base
New London
Groton, Connecticut

Engineering Field Activity, Northeast
Naval Facilities Engineering Command

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

December 2004

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FINAL YEAR 4
ANNUAL GROUNDWATER MONITORING REPORT
FOR
AREA A LANDFILL

NAVAL SUBMARINE BASE – NEW LONDON
GROTON CONNECTICUT

ENVIRONMENTAL OPERATION AND
MAINTENANCE CONTRACT

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ACRONYMS

ANOVA	Analysis of Variance
AWQC	Ambient Water Quality Criteria
B&RE	Brown & Root Environmental
BEHP	Bis(2-ethylhexyl)phthalate
CEC	Cation Exchange Capacity
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CLEAN	Comprehensive Long-Term Environmental Action Navy
COCs	Chemicals of Concern
COD	Chemical Oxygen Demand
COPCs	Chemicals of Potential Concern
CTDEP	Connecticut Department of Environmental Protection
CTO	Contract Task Order
FFS	Focused Feasibility Study
ft	feet
GMP	Groundwater Monitoring Plan
GMR	Groundwater Monitoring Report
gpm	gallons per minute
HHRA	Human Health Risk Assessment
HNUS	Halliburton NUS, Inc.
IAS	Initial Assessment Study
MARSSIM	Multi-Agency Radiation Survey and Site Investigation Manual
MDL	Minimum Detection Level
Navy	U.S. Department of the Navy
NSB-NLON	Naval Submarine Base New London
NTU	Nephelometric Turbidity Unit
OBDA	Over Bank Disposal Area
ORP	Oxidation Reduction Potential
OU	Operable Unit
OVA	Organic Vapor Analyzer

PAH	Polynuclear Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyls
PHREEQCI	pH-Redox Equilibrium Program, C Programming Language, Interactive Version
RA	Remedial Action
ROD	Record of Decision
SCS	Soil Conservation Service
SG	Staff Gauge
SVOC	Semivolatile Organic Compound
SWPC	Surface Water Protection Criteria
TAL	Target Analyte List
TCL	Target Compound List
TCLP	Toxicity Characteristic Leaching Procedure
TDS	Total Dissolved Solids
TOC	Total Organic Carbon
TPH	Total Petroleum Hydrocarbon
TSS	Total Suspended Solids
TtNUS	Tetra Tech NUS, Inc.
USDOD	United States Department of Defense
USDOE	United States Department of Energy
USEPA	United States Environmental Protection Agency
USNRC	United States Nuclear Regulatory Commission
VOCs	Volatile Organic Compounds
WQS	Water Quality Standard

1.0 INTRODUCTION

This Year 4 Annual Groundwater Monitoring Report (GMR) for the Area A Landfill [Site 2/Operable Unit (OU) 1] at the Naval Submarine Base New London (NSB-NLON) in Groton, Connecticut was prepared for the U.S. Department of the Navy (Navy) by Environmental Chemical Corporation (ECC) under the Comprehensive Long-Term Environmental Action Navy (CLEAN), Contract Number N62476-94-D-0888, Contract Task Order (CTO) 0816. All field activities were performed in accordance with the approved Groundwater Monitoring Plan (GMP) for the Area A Landfill (Tetra Tech NUS, Inc. [TtNUS], 1999) and the approved recommendations of previous GMRs.

1.1 REPORT ORGANIZATION

This report consists of six sections. Section 1.0 provides a brief introduction and describes the site characteristics and previous investigations. Section 2.0 provides the methodologies used to perform the groundwater sampling. Section 3.0 presents the findings of the groundwater monitoring and Section 4.0 offers a statistical evaluation of the data. Section 5.0 provides conclusions for the fourth annual monitoring period and recommendations for future monitoring. Section 6.0 includes references used in preparation of the report. Appendices B through F contain field forms and data evaluation information for the report. Tables and figures are included at the end of each section of the report. Supporting documentation is provided in Appendices A through F which are located in the rear of the report.

Regarding the appendices, the results and supporting field and laboratory documentation for the first round of monitoring performed during the fourth year (Round 12) were previously presented in the semi-annual report, ECC 2003. The results from Rounds 12 are summarized in this report; however, the supporting documentation, with the exception of the sample log sheets, is not reiterated in the appendices. The results and supporting documentation for the second round of monitoring (Round 13) are presented in this report because they were not previously presented in a separate report. A collective summary of the monitoring program's analytical results (i.e., data from Years 1, 2, and 3) is also provided in this report.

1.2 SITE CHARACTERISTICS

The following subsections describe the characterisitics of the Area A site at NSB-NLON as summarized in the *Year 3 Annual Groundwater Monitoring Report for Area A Landfill, Naval Submarine Base – New London, Groton, Connecticut* (TtNUS, 2003) as well as other previous reports.

1.2.1 Physical Characteristics

Figure 1-1 shows the location of NSB-NLON. NSB-NLON encompasses approximately 576 acres and is located in southeastern Connecticut in the towns of Ledyard and Groton. NSB-NLON is situated on the east bank of the Thames River, approximately 6 miles north of 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 1-2 illustrates NSB-NLON's main features and identifies the Area A Landfill.

The Area A Landfill site is located in the northeastern and north-central part of NSB-NLON and encompasses approximately 13 acres. 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. (TtNUS, 2003)

1.2.2 Topography and Surface Features

The topography and surface features of the Area A Landfill, with the cover system and adjacent sites including the Area A Wetland and Area A Downstream (Site 3/OU3), are described as follows. The ground surface slopes gently across the Area A Landfill toward the Area A Wetland. A steep hillside (central bedrock high) borders the southern edge of the landfill. The Construction Battalion Unit (CBU) Drum Storage Area (Site 1) was located in the central portion of the landfill along the southern (upgradient) edge. Near the northwestern edge of the landfill, the ground surface drops along a steep ravine to the Over Bank Disposal Area (OBDA). The ground surface increases in elevation to the east from the tennis courts to Route 12 and Baldwin Hill.

The ground surface elevation across the landfill cover system varies from approximately 80 to 87 feet in the eastern portion of the landfill and from 80 to 100 feet in the western portion of the landfill, such that the landfill cover slopes gently to the northeast at a grade of approximately 3 percent toward the Area A Wetland. Adjacent to the toe of the landfill, the Area A Wetland surface is at an elevation of approximately 72 feet, and the newly constructed landfill sideslope angles at a 1:4 (vertical: horizontal) grade from the surface of the wetland. Along this side slope, a layer of riprap at the higher elevations and a gabion basket system (wire-mesh containing stones) at the toe of the landfill provide slope stability and erosion protection.

A concrete structure (for salt storage) is located near the Building 460 (Hobby Shop) entrance to the landfill. The MAA Building previously located at the western end of the landfill has been demolished and replaced by a metal building located on Thresher Avenue at the entrance to the

Deployed Parking area. The Deployed Parking area is located at the eastern end of the landfill, where it can be accessed from Thresher Avenue. The Deployed Parking area is a secure area where Navy personnel who are out at-sea for an extended time can store their vehicles. A 7-foot high chain-link fence with a three-strand barbed wire around its perimeter secures the area.

A crane test platform is located within the east-central portion of the landfill. This platform consists of a 24-inch thick, 50 foot x 50 foot concrete slab, with No. 8 metal reinforcing bars used for structural reinforcement. This platform allows testing of cranes where the boom of the crane can be turned through a full 360 degree rotation.

A sand bag storage area is located in the western portion of the landfill. Several thousand sand bags are stored on wooden pallets on the completed asphalt surface and kept on hand by NSB-NLON for use in protecting structures on the Lower Base during severe storm events.

The Public Works Department at NSB-NLON stores equipment and materials on various sections of the completed landfill cover system. Typically, equipment such as trailer trucks, buses, and plows is parked on the plateau of the landfill.

1.2.3 Soil Characteristics

The Soil Conservation Service (SCS) soils map (SCS, 1983) classifies the soil across most of the Area A Landfill as Udorthents-Urban land. This soil type is defined as excessively drained to moderately drained soils that have been disturbed by cutting and filling. Along the southwestern slope of the landfill and in upgradient areas, the soil is classified as the Hollis-Charlton-Rock complex. Stones and boulders are intermingled with a dark, fine, sandy loam. Bedrock outcrops are prevalent in the area.

1.2.4 Geology

The Groundwater/Leachate Modeling Study (Brown & Root Environmental (B&RE), October 1996) describes the shallow subsurface geology within and surrounding the Area A Landfill as consisting of four units. In order of their occurrence with depth, the units are; landfill material, dredge spoil, alluvium, and competent bedrock.

The Area A Landfill contains miscellaneous fill that consists of fine- to coarse-grained sand and gravel as well as refuse including ash, wood fragments, paper, brick fragments, and asphalt. The landfill thickness generally increases from 5 to 10 feet in the western portion of the landfill to 15 to 20 feet in the far eastern portion of the landfill. The landfill material is underlain by dredge spoil within most of the landfill boundary. Where no dredge spoil is present, landfill material directly overlies a thin alluvial layer or the bedrock surface.

The dredge spoil is a fine-grained material that is easily identified by its silty texture, sulfurous odor, and the presence of shells. Dredge spoil is present beneath most of the landfill to a thickness up to 25 feet. This dredge spoil layer continues into the wetland and is present at the wetland surface. Dredge spoil is not present in the far western portion of the landfill area or along the southern hillside.

The alluvium includes native surface soils, unconsolidated fluvial and glacial deposits, colluvium, weathered bedrock, and re-worked clean sand and gravel soils (present to the east of the landfill). Upgradient of the landfill boundary along the hillside, alluvium is present at the ground surface but bedrock outcrops are prevalent. Typically, alluvium is present beneath the dredge spoil in the landfill and wetland areas.

Bedrock in the Area A Landfill vicinity has been identified as the biotite-quartz-feldspar gneiss of the Mamacoke Formation. Bedrock is located at or near the ground surface along the southern hillside and beneath the alluvium throughout the landfill and wetland areas. The bedrock surface slopes to the northeast toward the Area A Wetland from the large central bedrock high in the center of the facility. Locally, there is a bedrock high in the western portion of the landfill, a small bedrock valley in the central portion of the landfill, and a bedrock island in the Area A Wetland. In the far northeastern portion of the landfill, there is a bedrock depression that is filled with a significant thickness of weathered bedrock and large boulder-like pieces of bedrock (colluvium).

The landfill is situated along the flank of the hillside such that the depth to bedrock generally increases from west to east. Thicknesses of each of the three overlying units (alluvium, dredge spoil, and landfill material) also generally increase from west to east.

1.2.5 Hydrogeology

As stated in Section 1.2.4, there were four subsurface units identified at the Area A Landfill: landfill material, dredge spoil, alluvium, and bedrock. Except for the Groundwater/Leachate Modeling Study, previous investigations grouped the landfill material, dredge spoil, and alluvium together as overburden and most of the overburden wells were screened across some combination of these three units. During the Groundwater/Leachate Modeling Study, unit-specific wells were installed and tested. Based on the comprehensive test results, the estimated hydraulic conductivity of the landfill material and alluvium were comparable at 4.8 feet per day and 2.0 feet per day, respectively. The estimated hydraulic conductivity of the dredge spoil and bedrock were comparable at 2.0E-02 foot per day and 7.0E-02 foot per day, respectively. Also, shelby tube permeability test results indicated that the mean vertical hydraulic conductivity of the dredge spoil was 5.4E-04 foot per day. These results, in conjunction with the analysis of groundwater

potentials, support the belief that the dredge spoil, which is often present between landfill material and alluvium, is a low-permeability confining unit.

A summary of groundwater flow characteristics for the Area A Landfill, as found during the Groundwater/Leachate Modeling Study (B&RE, 1996a), is provided below.

Water Table

Groundwater flow directions generally reflect surface topography. Groundwater flows from the southern hillside, across the Area A Landfill to the northeast toward the Area A Wetland and across most of the landfill, and to the northwest toward the Area A Downstream in the far western portion of the landfill. In the western and central portions of the landfill, the hydraulic gradient is steepest along the hillside, flatter across the landfill, and nearly flat across the wetland. In these areas, groundwater elevations range from approximately 80 to 90 feet along the upgradient landfill boundary to 71 feet along the wetland boundary. In the eastern portion of the landfill, the hydraulic gradient is relatively flat across the landfill. The groundwater elevations range between 71 to 72 feet. Staff gauge measurements indicate that although the bedrock island in the wetland impedes flow, surface water in the wetland moves slowly northwest toward the dike and the Area A Downstream (B&RE, 1996a).

The saturated thickness of the landfill material typically ranges from approximately 0 to 5 feet in the western and central portions of the landfill and from 5 to 10 feet in the eastern portion of the landfill. The hydraulic gradient was estimated from the water table contour lines at seven locations across the site (TtNUS, 1999). The lowest estimated hydraulic gradients ranged from 0.0007 ft/ft to 0.0018 ft/ft. These gradients occurred in the central portion of the landfill near the wetland boundary and across the entire eastern portion of the landfill. The highest estimated hydraulic gradients ranged from 0.03 ft/ft to 0.09 ft/ft. These gradients occurred in the central portion of the landfill near the hillside boundary and across the entire western portion of the landfill. Assuming these gradient ranges, a hydraulic conductivity of 6.0 ft/day for the landfill material, and a porosity of 0.30, the seepage velocity ranges from 0.014 to 0.036 ft/day across the areas with lower gradients and from 0.6 to 1.8 ft/day across the areas with higher gradients (B&RE, 1996a).

Dredge Spoil Groundwater

As stated earlier, the dredge spoil has been characterized as a low permeability, confining unit that, where present, separates landfill material from the underlying alluvium and bedrock. During the Groundwater/Leachate Modeling Study, six monitoring wells were installed within the dredge spoil to assess the groundwater characteristics of the dredge spoil at different locations across

the landfill. There is a downward hydraulic gradient from the landfill material to the dredge spoil at all locations, except at the 2LMW31 well cluster, which is located at the central portion of the landfill near the southern hillside boundary where the alluvium and dredge spoil are thin and strong upward gradients are present from the bedrock to the overyling units. The observed downward hydraulic gradients indicate that the dredge spoil is inhibiting upward recharge from the bedrock and alluvium to the landfill material.

A groundwater contour map was not generated for the dredge spoil during the Groundwater/Leachate Modeling Study (B&RE, 1996), because of the limited number of monitoring wells and some irregular data. For example, in the eastern portion of the landfill, the measured groundwater elevation at 2LMW33DS was lower than that measured at 2LMW32DS, which is closer to the wetland but screened at a lower elevation within the dredge spoil. Also, the measured groundwater elevation at 2LMW34DS within the dredge spoil depression near the crane test pad was 57.85 feet, which is considerably lower than the measured elevations in the landfill material and bedrock at the same location. These irregular groundwater elevations confirm that the dredge spoil cannot be considered to be a continuous water-bearing unit where hydraulic gradients and seepage velocities can be estimated. Rather, the dredge spoil is a low permeability confining unit where groundwater elevations are irregular and dependent on local conditions such as the dredge spoil thickness and overlying and underlying groundwater elevations.

Alluvium Groundwater

During the Groundwater/Leachate Modeling Study (B&RE, 1996), one monitoring well was installed in the alluvium material (2LMW29A) in the western portion of the landfill where dredge spoil is thin. As stated earlier, the estimated hydraulic conductivity of the alluvium is comparable to the landfill material. There is an upward hydraulic gradient from the alluvium to the landfill material at this location, which confirms that where dredge spoil is not present, the upward hydraulic gradient from the bedrock persists to the landfill material. Previously installed monitoring wells that are screened within landfill material and alluvium include 1MW2S, 2LMW8S, and 2LMW20S, which are all located near the hillside boundary of the landfill. There is an upward hydraulic gradient from the bedrock to the alluvium/landfill material at well clusters 2LMW8 and 2LMW20 (there is no bedrock well at 1MW2S).

A groundwater contour map was not generated for the alluvium due to the limited number of monitoring wells. However, based on the observed vertical hydraulic gradients and relatively permeable nature of the alluvium, it can be concluded that bedrock groundwater is recharging the alluvium. Where dredge spoil is present, alluvium groundwater flows preferentially through

alluvium material toward the wetland and Area A Downstream. Additionally, where dredge spoil is not present, alluvium recharges the landfill material.

Bedrock Groundwater

Groundwater in the bedrock flows in similar directions as the water table. Similar to the shallow groundwater, the hydraulic gradients in the bedrock are steepest across the western and central portions of the landfill area and are flatter in the eastern portion of the landfill area where the bedrock depression is located and the overlying unconsolidated material is thickest. Between the 2LMW13D and 2LMW9D bedrock wells, there is a significant decrease in the groundwater elevation that is probably related to groundwater discharging to the OBDA groundwater seep indicated by the sampled point 3MSP01. Discharge from this seep was estimated during the Groundwater/Leachate Modeling Study at 109.5 gallons per minute (gpm).

Vertical Gradients and Hydraulic Connections

Although groundwater flow directions and gradients are similar in the water table and bedrock groundwater, an analysis of vertical flow gradients was completed to determine possible hydraulic connections. Cross-sections presented in the modeling study (B&RE, 1996a) and the GMP (TtNUS, 1999) show the water table and the direction of the vertical hydraulic gradients between the units. In all of these cases, except at the 2LMW9 well cluster, there is an upward gradient from the bedrock to the overlying unit (the reduced groundwater potential in the bedrock at the 2LMW9D well is probably due to bedrock groundwater discharging to the OBDA seep and the lack of hydraulic connection between the bedrock and the landfill material due to dredge spoil). Along the hillside near the boundary of the landfill, dredge spoil is either very thin or not present and there is an upward gradient from the bedrock and alluvium to the landfill material. Within the landfill where dredge spoil is present, there is a downward gradient from the landfill material to the dredge spoil.

Based on the analysis of vertical flow gradients, it can be concluded that bedrock groundwater from the hillside is recharging the overlying units. Along the hillside boundary of the landfill and in the western portion of the landfill where the alluvium is thin and dredge spoil is not present, bedrock groundwater recharges landfill material. Where dredge spoil is present, the dredge spoil inhibits upward recharge from the bedrock to the landfill material, and the bedrock groundwater recharges the alluvium (and possibly the deeper dredge spoil) only. Although there is a downward gradient from the landfill material to the dredge spoil, the dredge spoil is relatively impermeable and shallow groundwater flows preferentially from the landfill material toward the wetland.

1.3 PREVIOUS INVESTIGATIONS

As listed in Year 3 Report (TtNUS, 2003), a chronological list of important historical events and relevant dates for Site 2 is summarized below.

- Landfill operations – 1957 to 1973
- Final Initial Assessment Study (IAS) completed – March 1983
- Verification Step 1A Study – February 1988
- Phase I RI completed – August 1992
- Remedial Design for Area A Landfill source control OU began – 1994
- Area A Landfill Focused Feasibility Study (FFS) finalized – May 1995
- Proposed Plan for Area A Landfill source control OU issued – June 1995
- Public meeting for Area A Landfill source control OU – June 1995
- Record of Decision (ROD) for Area A Landfill source control OU signed – September 1995
- Remedial Design for Area A Landfill source control OU completed – December 1996
- Remedial Action (RA) for Area A Landfill source control OU began – December 1996
- Phase II RI finalized – March 1997
- Remedial Action for Area A Landfill source control OU completed – September 1997
- Final Report for Remedial Action at Area A Landfill issued – March 1998
- Final Groundwater Monitoring Plan for Area A Landfill issued – January 1999
- Groundwater Monitoring Program initiated – October 1999
- Final Year 1 Groundwater Monitoring Report for Area A Landfill issued – May 2001
- Final Basewide Groundwater OU RI completed – January 2002
- Final Year 2 Groundwater Monitoring Report for Area A Landfill issued – December 2002

1.3.1 Historical Investigative Reports

As listed in Year 3 Report (TtNUS, 2003), the following field investigations were conducted at the Area A Landfill and the details of the investigations are provided below.

- The field investigation performed for the Phase I RI (Atlantic, 1992).

- The supplemental field investigation performed for the Area A Landfill Focused Feasibility Study (FFS) (Atlantic, 1995a).
- The field investigation performed for the Phase II RI (B&RE, 1997).
- The Geotechnical Field Investigation and Area A East End Investigation (B&RE, 1996b) performed in support of the Area A Landfill Remedial Design (B&RE, 1996c).
- The field investigation performed for the Groundwater/Leachate Modeling Study, which supported the Area A Landfill Remedial Design (B&RE, 1996a).
- The investigations performed for Year 1 of groundwater monitoring at the Area A Landfill (TtNUS, 2001c).
- The field investigation performed for the Basewide Groundwater OU RI (TtNUS, 2002a).
- The investigations performed for Year 2 of groundwater monitoring at the Area A Landfill (TtNUS, 2002e).

1.3.2 Monitoring History

As in the Year 3 Annual Report (TttNUS, 2003), the details of the previous monitoring reports are summarized below.

Phase I RI

Atlantic conducted a field investigation at the Area A Landfill in 1992 as part of the base-wide Phase I RI. A total of 13 monitoring wells (2LMW7S, 2LMW7D, 2LMW8S, 2LMW8D, 2LMW9S, 2LMW9D, 2LMW13S, 2LMW13D, 2LMW14D, 2LMW17S, 2LMW17D, 2LMW18S, 2LMW18D) and 7 test borings were installed. A total of 12 soil and 12 groundwater samples were collected from these monitoring wells and test borings. Soil samples were analyzed for target compound list (TCL) organics, Target Analyte List (TAL) inorganics, PCBs, pesticides, and Toxicity Characteristics Leaching Procedure (TCLP) pesticides and metals. Groundwater samples were analyzed for the same parameters, except TCLP, plus radiological elements.

Area A Landfill FFS

Atlantic conducted a supplemental field investigation at the Area A Landfill in October and November 1993 to support the Area A Landfill FFS. The main purpose of these field activities was to characterize the subsurface soil in the vicinity of the bituminous concrete pad located at the southwestern end of the landfill.

Twenty-four soil borings were drilled to a depth of 16 feet or auger refusal. Based on field screening for volatile organic compounds (VOCs), with an HNu organic vapor analyzer (OVA) and for PCBs with a field gas chromatograph, 13 subsurface soil samples were selected for analysis of TCL organics, PCBs, pesticides and TAL inorganics. Selected samples were also analyzed for organic content, cation exchange capacity (CEC), Total Organic Carbon (TOC), dioxin and geotechnical parameters, including grain-size distribution, moisture content, and specific gravity. Two samples were also analyzed by the TCLP for all toxicity constituents.

Phase II RI

B&R Environmental conducted a field investigation at the Area A Landfill in 1994 as part of the base-wide Phase II RI. A total of 10 monitoring wells (2LPW1S, 2LOW1S, 2LOW1D, 2LOW2S, 2LOW3S, 2LOW4S, 2LMW19S, 2LMW19D, 2LMW20S, and 2LMW20D) were installed. Eleven soil samples were collected from two soil borings (2LTB13, 2LTB23). Two rounds of groundwater level measurements and groundwater sampling were conducted, including one in March and one in August 1994. Groundwater samples were analyzed for TCL organics, TAL inorganics, PCBs, and radiological elements.

Geotechnical Field Investigation

B&RE conducted field activities at the Area A Landfill in February and March 1995 as part of the Geotechnical Field Investigation performed in support of the Remedial Design for a landfill cover system. The purpose of the Geotechnical Field Investigation was to confirm the areal extent of the fill material and to obtain additional geotechnical field data.

Twenty test pits were excavated along the edges of the Area A Landfill to allow for visual observation of subsurface conditions. The purpose of excavating these test pits was primarily to determine the lateral extent of the fill material and, wherever practical (especially along the southern edge of the landfill), establish the depth and competence of bedrock.

Eight soil borings were drilled on the landfill plateau to establish the depth of bedrock and thickness of the fill and dredge spoil material. The soil borings were also used to collect six soil samples to be tested for geotechnical parameters (particle size, moisture content, classification, Atterberg limits, and triaxial compression) and three soil samples to be tested for analytical parameters (TCL organics, TAL inorganics, PCBs, and pesticides). Four borings were advanced through the overburden to auger refusal at the bedrock. Four borings were advanced through the overburden and approximately 5 feet into competent bedrock.

Area A East End Investigation

B&RE conducted field activities at the Area A Landfill in September 1995 as part of the Area A East End Investigation performed in support of the Remedial Design for the landfill cover system. The purpose of the Area A East End Investigation was to verify that the fill used for the construction of the recreational facilities (Racquetball Building, tennis courts, ball field) located at the extreme east end of Area A is of a different nature from that placed in the rest of the Area A Landfill, i.e., does not contain contaminated waste material, and therefore, does not need to be capped.

Six test trenches (LF-TP22 through LF-TP27) were excavated along the eastern boundary of the Area A Landfill cover system as designed to verify the eastern limit of contaminated fill material. The test trenches were field-screened for the presence of VOCs, and four soil samples were collected and analyzed for TCL organics, TAL inorganics and cyanide, PCBs, pesticides, and Total Petroleum Hydrocarbon (TPH).

Three soil borings (SB06 through SB08) were drilled in the vicinity of the Area A East End recreational facilities. These soil borings were advanced through the overburden to the bedrock to auger refusal. A total of six soil samples were collected from the fill and dredge spoil material and analyzed for TCL organics, TAL inorganics and cyanide pesticides, PCBs, and TPH. (TtNUS 2003)

Groundwater/Leachate Modeling Study

B&RE conducted field activities at the Area A Landfill in November/December 1995 as part of the Groundwater/Leachate Modeling Study performed in support of the Remedial Design for the landfill cover system. The purpose of the Groundwater/Leachate Modeling Study was to evaluate the impact of the proposed landfill cover system on the saturated thickness of landfill material and on the flow and composition of the groundwater/leachate discharge from the landfill.

The modeling field investigation activities included the performance of the following activities:

- Surface infiltration tests at 10 locations (2LT1 thru 2LT10) throughout the surface of the landfill
- Installation of 13 overburden monitoring wells, including 6 in the landfill material (2LMW28F through 2LMW33F) and 7 in the underlying dredge spoil or alluvium (2LMW28DS, 2LMW29A, 2LMW30DS through 2LMW34DS).

- Installation of three bedrock wells, including two located upgradient from the Area A Landfill (2LMW35B and 2LMW36B) and one at the northeast end of the landfill (2LMW32B).
- Installation of 10 piezometers, including 7 (2LPZ1DS thru 2LPZ7DS) along the boundary between the Area A Landfill and Area A Wetland and 3 (2LPZ1F, 2LPZ2F, and 2LMW32PZ) at the northeast end of the landfill.
- Installation of eight staff gauges (SG07 thru SG14) along the boundary between the Area A Landfill and Area A Wetland.
- Slug testing of the newly installed wells and one of the piezometers (2LMW32PZ).
- Water level measurements for all newly installed monitoring wells, piezometers, and staff gauges as well as for all previously existing monitoring wells.
- Flow measurement and sampling of the groundwater seep (3MSP01) from the western face of the Area A Landfill into the OBDA of the adjoining Area A Downstream (Site 3). This sample was analyzed for TCL organics and TAL inorganics.

The Groundwater/Leachate Modeling Study provided a comprehensive analysis of the site geology and hydrogeology. The report provided surface contour maps of the four units (landfill material, dredge spoil, alluvium and bedrock), thickness maps for the landfill material and dredge spoil, surface contour maps for the water table and bedrock groundwater, geologic cross-sections, conceptual flow nets, and an analysis of vertical flow gradients.

Additionally, the Groundwater/Leachate Modeling Study concluded that the Area A Landfill cover system would reduce the thickness of the saturated landfill material by approximately 0.1 foot along the Area A Wetland boundary, by approximately 0.5 foot at the eastern end of the landfill, by approximately 0.2 foot in the center of the landfill, and by over one foot at the western end of the landfill. The study concluded that the cover system would reduce the flux of groundwater chemicals of concern (COCs) from the Area A Landfill to the Area A Wetland by 16 to 55 percent and that none of these COCs would exceed either the Federal Ambient Water Quality Criteria (AWQC) or the Connecticut Department of Environmental Protection (CTDEP) Surface Water Protection Criteria (SWPC).

Year 1 of the Monitoring Program

The Year 1 Annual Groundwater Monitoring Report for the Area A Landfill (TtNUS, 2001c) summarized the analytical data collected during Rounds 1 through 4. Sixteen monitoring wells, seven surface water locations, and one surface seep location were sampled during Year 1 of the monitoring program. During the initial year of monitoring, samples were collected during the

months of October 1999 (Rd. 1), January 2000 (Rd. 2), April 2000 (Rd. 3), and July 2000 (Rd. 4). Soil samples were also collected and analyzed during the installation of the downgradient monitoring wells that were installed prior to the initiation of the monitoring program. Deviations to the groundwater and/or surface water sampling program occurred at the following locations during the first year of sampling.

- Monitoring well 2WMW44DS was not sampled during Round 2 due to the static water being frozen within the monitoring well.
- The seep sample and all of the surface water samples were not collected during Round 2 because the surface water within the wetland was frozen.
- The seep sample was not collected during Round 3 because no water was flowing from the seep location.
- Monitoring well 3MW12S was not sampled during Round 4 because the well was destroyed during post-remedial construction.
- Surface water samples were not collected from SG22 and SG24 during Round 4 because the locations were dry.

The analytical results were compared to primary criteria (i.e., CTDEP SWPCs) and secondary monitoring criteria [i.e., most conservative of Federal AWQC and Connecticut Water Quality Standards (WQSs)]. The results obtained for the initial four rounds of groundwater monitoring indicated that arsenic and zinc exceeded primary criteria. In addition to the above exceedances, chromium, copper, and lead exceeded secondary criteria.

Surface water sampling results for the initial four sample rounds indicated that phenanthrene and arsenic exceeded primary criteria. Chromium, copper, lead, and zinc also exceeded secondary criteria for the initial four rounds of surface water samples.

A statistical evaluation of the data indicated that upgradient and downgradient concentrations of both organic and inorganic chemicals of potential concern (COPCs) were found to be similar except for total arsenic. The average concentrations of arsenic showed a slight downward temporal trend.

The Year 1 Annual GMR recommended the following:

- Consideration should be given to reducing the frequency of VOC monitoring in groundwater because no exceedances of primary or secondary criteria for these compounds were noted.

- Consideration should be given to reducing the parameters being analyzed after the Year 2 monitoring activities are completed.
- Maintenance of monitoring well integrity (i.e., well maintenance and well development) should continue in case of extended monitoring.
- Discussion of the endpoint for groundwater monitoring should occur if current trends continue.

The Annual (Year 1) GMR was submitted as a draft document to the regulatory agencies for review and comment in February 2001. The United States Environmental Protection Agency (USEPA) provided general and specific comments on the report. The comments focused on several major topics including the application of statistical methods, the evaluation of arsenic concentrations in relation to geochemical properties of the groundwater and the need for additional geochemical analyses, and the approach for comparing upgradient / background groundwater to downgradient groundwater. No comments were received from the CTDEP. Minor revisions were made to the Year 1 GMR and the document was resubmitted as a final version in May 2001. A response to comment letter was appended to the final GMR. The USEPA responded in a follow-up letter that further discussion was needed regarding refinement of the conceptual site model for evaluation, which can be used to address well coverage, analytes, sampling frequency, and future data evaluation approaches. The letter also reiterated the need for further discussion on the use of upgradient versus background well data.

Basewide Groundwater OU RI

The Area A Landfill site was one of 10 sites investigated during the Basewide Groundwater OU RI. The groundwater media for the Area A Landfill site was the focus of the RI. Groundwater samples were collected from existing monitoring wells to further characterize the Area A Landfill site. The monitoring wells included in the GMP for the Area A Landfill were the only wells sampled and, in fact, the results presented in the RI constituted the results for Round 4 of the GMP for the site.

The results of the human health risk assessment (HHRA) performed with the groundwater data during the RI showed that Incremental Cancer Risks and Hazard Indices for construction workers exposed to groundwater at the Area A Landfill were within the EPA and CTDEP acceptable levels. The HHRA only considered exposures to construction workers. It was recommended in the report that the current groundwater monitoring program be continued to gather data to evaluate long-term trends in contaminant concentrations.

Year 2 of the Monitoring Program

The Year 2 groundwater monitoring activities continued with the completion of four rounds of quarterly sampling (Rounds 5 through 8) from the same monitoring network defined in the GMP. However, several deviations in the sampling program occurred during the second year of monitoring. Two monitoring wells sampled during the first year of monitoring (i.e., 3MW12S and 3MW12D) were not sampled during the second year of monitoring because they were destroyed during the RA at the Area A Downstream site. Surface water samples were not collected from staff gauges SG15, SG16, and SG17 during Rounds 5 through 8 because there was no surface water at these locations. Surface water samples were not collected at these staff gauges during the first year of monitoring either for the same reason. Additionally, during Round 8, surface water was not collected from staff gauges SG22, SG23, and SG24 because there was no surface water at these locations. Also during Round 8, sufficient sample volume could not be collected from monitoring well 2WMW38DS to analyze for the complete parameter list; therefore, analysis for pesticides/PCBs and a majority of the miscellaneous parameters was not completed. Finally, due to a problem with sample shipment, the samples collected from monitoring well 4MW1S and staff gauges SG22 and SG24 were not shipped on time and the holding times for the organic parameters and the miscellaneous parameters were exceeded. Subsequently, these samples were only analyzed for TAL metals (total and dissolved).

Prior to each round of sampling, one round of groundwater and surface level measurements was performed and potentiometric surface elevation maps were prepared. However, survey data for the staff gauges are considered to be suspect due to movement of some staff gauges after installation. Therefore, the surface water elevations were not used in preparing potentiometric surface maps.

The analytical results were compared to primary criteria (i.e., CTDEP SWPCs), and secondary monitoring criteria (i.e., most conservative of Federal AWQCs and Connecticut WQSs). The results obtained for the second year of groundwater sampling indicated no detections of VOCs or pesticides/PCBs in any of the sample rounds. The following constituents exceeded primary criteria during the Year 2 monitoring activities:

- Benzo(a)pyrene
- Phenanthrene
- Arsenic

- Zinc

In addition to the above exceedances, chromium, copper, and lead exceeded secondary criteria in groundwater samples.

Surface water sampling results for the second year of monitoring indicated that the following constituents exceeded primary criteria:

- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthrene
- Benzo(k)fluoranthrene
- Phenanthrene
- Arsenic
- Zinc

All of the exceedances of primary criteria with the exception of phenanthrene, arsenic, and zinc occurred at the seep sample location 3MSP01. Copper and lead also exceeded secondary criteria in several of the Year 2 surface water samples.

The statistical evaluation of the data indicated an increase in arsenic concentrations when comparing upgradient to downgradient concentrations. The evaluation also indicated that no temporal increase in arsenic concentration was evident over the four sample rounds.

The Year 2 Annual GMR recommended the following:

- The sampling frequency should be reduced from quarterly to bi-annually since no significant increasing contaminant trends have been observed to date.
- TCL VOCs and TCL pesticides / PCBs should be eliminated from the analytical program as these contaminants have not been identified as a concern.
- Project laboratories should continue to be warned about the presence of high total dissolved solids (TDS) and salinity to account for potential interference effects.
- Further discussion on arsenic is needed regarding the technical impracticality of meeting the primary criteria. The discussions should take place during Year 3 of the monitoring program

- Surface water sample locations at SG15, SG16, and SG17 should be eliminated since surface water was not present at these locations during the first two years of monitoring activities.
- Monitoring well 3MW12D, which was previously destroyed, should be replaced. This well was located in a revegetated area of the Area A downstream and care must be taken when reinstalling this well. If reinstallation is not possible, then well 2LMW9D can be considered as a downgradient monitoring point. Monitoring well 3MW12S was also destroyed, however this well is not recommended for reinstallation since well 3MW37S is located in the same general vicinity and monitors the same hydrogeologic zone.
- Routine maintenance of the monitoring wells should be continued.

The Annual (Year 2) GMR was submitted as a draft document to the regulatory agencies for review and comment in March 2002. No comments were received from the CTDEP. The USEPA provided general and specific comments on April 3, 2002. Several comments focused on the need for refinement of the site conceptual model primarily from a geochemistry perspective. A USEPA comment indicated that reducing the monitoring frequency from quarterly to bi-annually would be acceptable. The USEPA also agreed to eliminate VOC, pesticide, and PCB analyses in the future; however, dissolved metals analyses and miscellaneous parameter analyses should be continued to support the site conceptual model. Furthermore, the USEPA indicated that a discussion regarding arsenic criterion was needed. The USEPA agreed with recommendations to eliminate the surface water sample locations that lacked surface water, to replace well 3MW12D, and to use the data from well 3MW37S in place of groundwater data from well 3MW12S, which was destroyed.

A response-to-comment letter was prepared by the Navy and submitted on May 28, 2002. The response-to-comment letter included proposed additional wells to include in the monitoring program to support the site conceptual model refinement from a geochemistry perspective, a revised arsenic criterion based on protection of ecological receptors, and a monitoring frequency to include 3 rounds of samples during Year 3, and annual sampling starting in Year 4. A teleconference was held on June 5, 2002 to discuss these issues. Several of the recommendations were changed as a result of the teleconference. The final recommendations of the Year 2 Annual GMR are provided above. The Year 2 Annual GMR was revised to reflect the modifications. The final Year 2 Annual GMR and final response-to-comment document were prepared and issued in December 2002.

Year 3 of the Monitoring Program

Fifteen monitoring wells (4MW1S, 2LMW20S, 2WMW21S, 3MW37S, 2WMW38DS through 2WMW47DS, and 3MW12D), ten surface water locations (SG15 through SG24), and one surface seep location (3MSP01) were to be sampled as part of the groundwater monitoring program as specified in the GMP (TtNUS, 1999). However, several deviations in the sampling program occurred during the third year of monitoring.

- During Round 11, a geochemical investigation was conducted along with the routine sampling (TtNUS, 2002d).
- Monitoring well 3MW12D, which was not sampled during the second year because it was destroyed during the remedial action at the Area A Downstream site, was replaced during Round 11 and was sampled during the same round.
- Due to the low water level in monitoring well 2LMW20S during Round 9, a sample was not collected.
- Surface water samples were not collected from staff gauges SG15 and SG17 during Rounds 9 and 10 due to lack of surface water at these locations. Surface water was sampled at SG16 during the Round 9 sampling event, but not during Round 10. Staff gauges SG15 through SG17 were eliminated from the monitoring program after Round 10. No surface water samples were collected from staff gauge SG22 during Rounds 9 through 11 due to a lack of surface water.

Groundwater and surface water samples were analyzed for TCL organics, TAL inorganics, and miscellaneous water quality parameters during Rounds 9 and 10 of the third year of monitoring. TCL VOCs, pesticides, and PCBs were eliminated from the analytical program during Round 11. Overall, groundwater and surface water results were generally similar in that the same compounds were detected and the ranges of concentrations for the COPCs that exceeded criteria were similar. Some exceptions were noted for arsenic, copper, lead, and zinc.

The following conclusions were made from the monitoring results for Year 3.

- Eight COPCs were detected in the groundwater samples. A single VOC was detected once during Year 3. Similar to previous years, no pesticides or PCBs were detected in any of the groundwater samples collected during the third year of monitoring. A limited number of semi-volatile organic compounds (SVOCs) were detected and the concentrations were generally lower that those detected during Year 2. Inorganics were detected most frequently at

concentrations in excess of monitoring criteria and/or background concentrations. Some discrepancies were noted between total and dissolved inorganic concentrations.

- Statistical analyses showed that total xylenes, bis(2-ethylhexyl)phthalate (BEHP), arsenic, cadmium, chromium, copper, and zinc are present in downgradient groundwater at statistically higher concentrations than in upgradient groundwater. Further evaluation of the results for these COPCs (i.e., criteria comparisons and trend analysis) did not indicate that these COPCs pose any significant migration issues.
- The results of the seep and surface water sampling efforts generally confirmed the groundwater monitoring results and indicate that no significant contaminant migration is occurring.
- The results of the geochemical investigation provided conclusive evidence that the slightly elevated arsenic concentrations that have been detected in the downgradient monitoring wells completed in dredge spoils are related to the dredge spoils and not the landfill. Some of the other inorganics detected at elevated concentrations in downgradient dredge spoil wells are also likely related to the dredge spoils.
- Overall, the results of the first three years of monitoring for the Area A Landfill indicate that the RA action at the site is sufficiently reducing infiltration of precipitation through the landfill source material so that significant contaminant migration from the site to the surrounding area is not occurring.

The following recommendations were made for the Area A Landfill monitoring program based on the results of the third year of monitoring at the site:

- The monitoring results indicate that the RA and current ROD for the Area A Landfill are sufficient and no amendments are necessary.
- Monitoring should continue at the site to provide supporting information for the next Five-Year Review.
- The sampling frequency should remain semi-annually for Year 4. This recommendation is justified because of the limited number of detections of chemicals in excess of monitoring criteria and background concentrations and no significant increasing contaminant trends in the downgradient monitoring wells over three years. Semi-annual sampling was implemented during Year 3 (Round 11) of the program. The sampling frequency should be re-evaluated after Year 4.

- No further geochemical investigations are necessary to address the arsenic issue. The investigation conducted during Round 11 provided conclusive evidence that the arsenic is from the dredge spoils and is not migrating to downgradient locations. Continued general monitoring activities will be sufficient to confirm these results.
- The miscellaneous parameters chemical oxygen demand (COD), sulfate, and TOC should be eliminated from the analytical program. Three years of data have shown little change for these parameters. The geochemical investigation completed during Year 3 provided a good understanding of the geochemistry of the local groundwater. It also provided evidence that the dredge spoils and not the landfill are the major influence on the geochemistry of the groundwater. Continued monitoring of the remaining miscellaneous parameters (alkalinity, chloride, hardness, and TDS), in addition to the typical field water quality parameters, should provide adequate information to determine any gross changes in groundwater geochemistry in the future.
- Project laboratories should continue to be made aware of the presence of high TDS and salinity in the downgradient dredge spoil wells of the monitoring network so that potential interferences can be accounted for during the analysis of the samples.
- It is recommended that future monitoring activities at the Area A Landfill follow the final version of the new GMP that is currently under preparation as part of the O&M Manual. The new GMP provides updated monitoring criteria for COPCs and data evaluation procedures. The new GMP is being prepared to provide a “living document” that is easily adapted to address changes to criteria, potential receptors, and site conditions. The new GMP is also integrated with other site-related O&M activities.
- Routine maintenance should be conducted on the remaining monitoring wells included in the monitoring program to facilitate monitoring activities into the future.

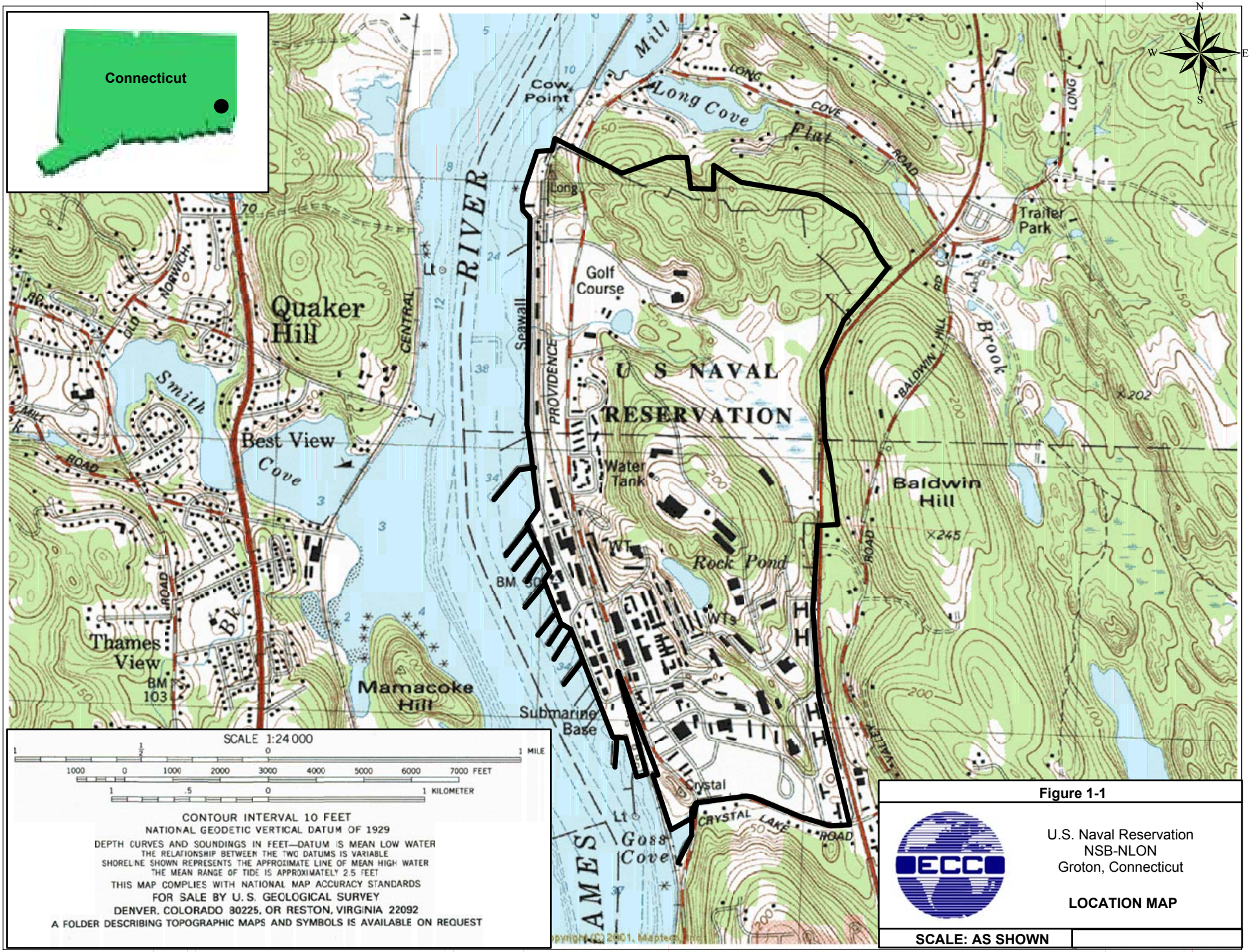


Figure 1-1

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

LOCATION MAP

SCALE: AS SHOWN

H:\Groups\Navy\New London_NSB\Goss Cove and Area A GIS\Area A Round 13\Maps\Figure 1-1 (Location Map)

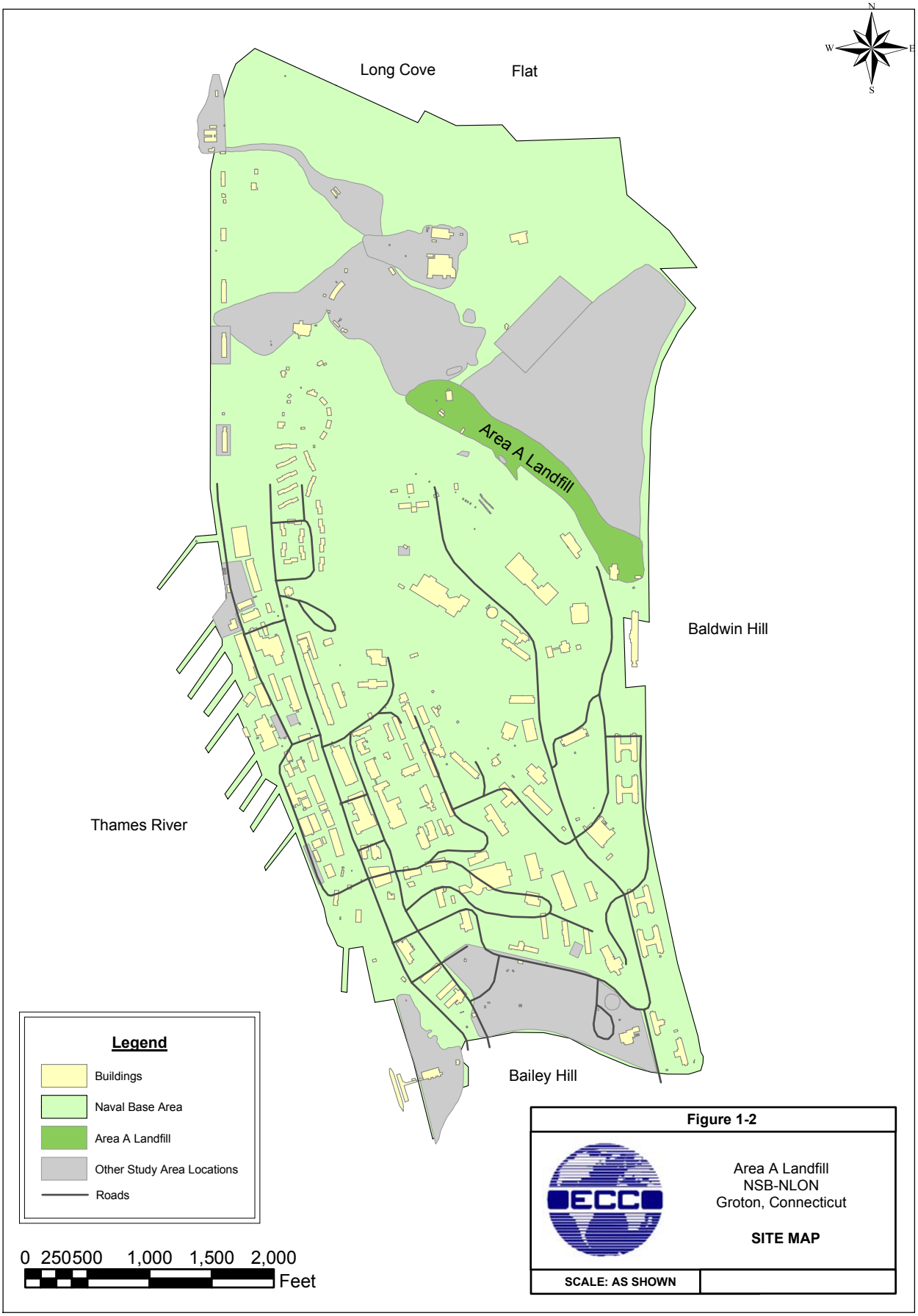


Figure 1-2

ECC

Area A Landfill
NSB-NLON
Groton, Connecticut

SITE MAP

SCALE: AS SHOWN

H:\Groups\Navy\New London_NSB\Goss Cove and Area A GIS\Area A Round 13\Maps\Figure 1-2 (Site Map)

2.0 FIELD INVESTIGATION ACTIVITIES

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

- Two rounds of water level measurements at 15 monitoring wells and 11 staff gauges
- Two rounds of collection of groundwater samples from 15 monitoring wells.
- Two rounds of collection of surface water samples from 7 surface water locations.
- Two rounds of collection of one seep sample location.

During the fourth year of monitoring, field activities were performed during the months of April 2003 (Round 12) and August 2003 (Round 13). Figure 2-1 shows the locations monitored during this event.

2.1 MONITORING WELL INSPECTION

Prior to water level measurements, all 15 monitoring wells were inspected. In general, groundwater wells were in good condition and well inspection sheets are included in Appendix B. During Round 12 inspections, monitoring well 2LMW20S had a broken well pad and the vault was full of water. Otherwise, the monitoring wells were in good condition.

Round 13 inspections uncovered the following information:

- Monitoring well 2LMW20S: did not have a well tag (only a painted well ID); the pad cover was cracked where the screw fastens, the concrete pad was cracked, and the rubber seal was missing from the well.
- Monitoring well 2WMW44DS: did not have any concrete or gravel around the wooden box/well and there was water around the well in inside the wooden box.
- Monitoring well 3MW37S: there was a small section of gravel missing from a small area in the boxed location around the well.
- Monitoring well 4MW1S: the outer casing of the well had rust and dents and the PVC riser was rubbing against the outer casing.

All the other wells were in satisfactory condition. Inspections will continue in upcoming sampling events.

2.2 WATER LEVEL MEASUREMENT

On 2 April 2003 (Round 12) and 14 August 2003 (Round 13), water levels were measured at 15 monitoring wells and 11 staff gauges. Groundwater measurements are presented in Table 2-1. Figures 2-2 illustrates the potentiometric surface map of shallow groundwater at the Area A Landfill. Groundwater level measurement sheets are provided in Appendix C.

2.3 GROUNDWATER SAMPLING

A total of 15 monitoring wells; (3MW12D, 2LMW20S, 2WMW21S, 4MW1S, 2WMW38DS through 2WMW47DS, and 3MW37S), were sampled during the fourth year 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.

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 13 is provided in Table 2-2. Stabilization of the above parameters was generally defined as follows:

- pH $\pm$ 0.2 standard units
- turbidity $\pm$ 10 % for values greater than 1 nephelometric turbidity unit (NTU)
- SPC $\pm$ 10 %
- temperature $\pm$ 10 %
- ORP $\pm$ 10 (mV)
- DO $\pm$ 10 %

Following purging, samples were collected directly from the discharge end of the tubing, prior to the YSI flow cell. 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 D along with the groundwater sampling field forms. The Chain of custody records are provided in Appendix E with the data validation for Round 13 and laboratory analytical results for all of Year 4.

Groundwater samples were sent to the project laboratory (Alpha Analytical Labs) for analysis for select TCL SVOCs without polynuclear aromatic hydrocarbons (PAHs), PAHs, total analyte list (TAL) metals (total and dissolved); TOC; chemical oxygen demand (COD); and water chemistry parameters (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

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 13 is provided in Table 2-3.

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.

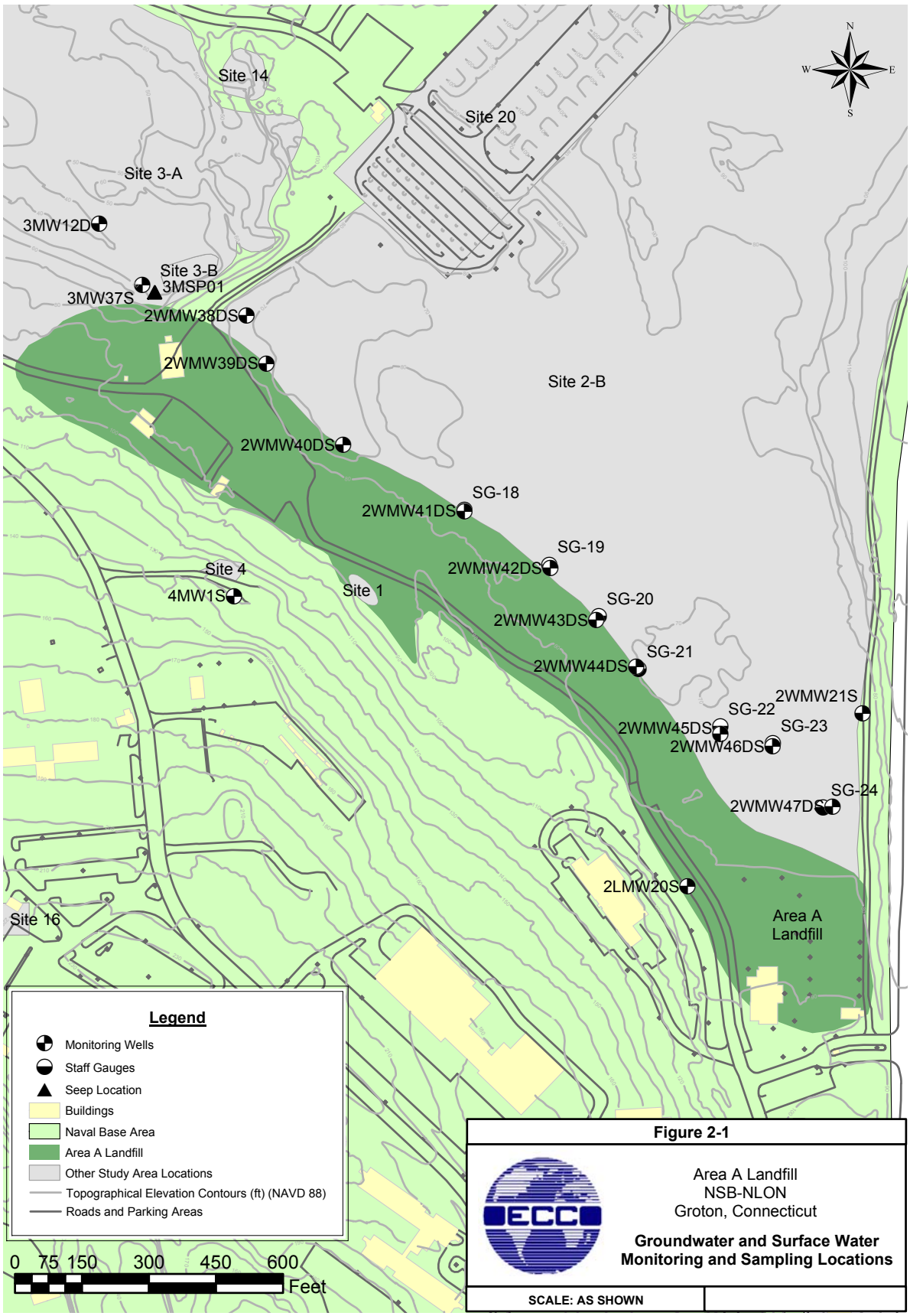


Figure 2-1

Area A Landfill
NSB-NLON
Groton, Connecticut

Groundwater and Surface Water Monitoring and Sampling Locations

SCALE: AS SHOWN

H:\Groups\Navy\New London_NSB\Goss Cove and Area A GIS\Area A Round 13\Maps\Figure 2-1 (GW Mon.)

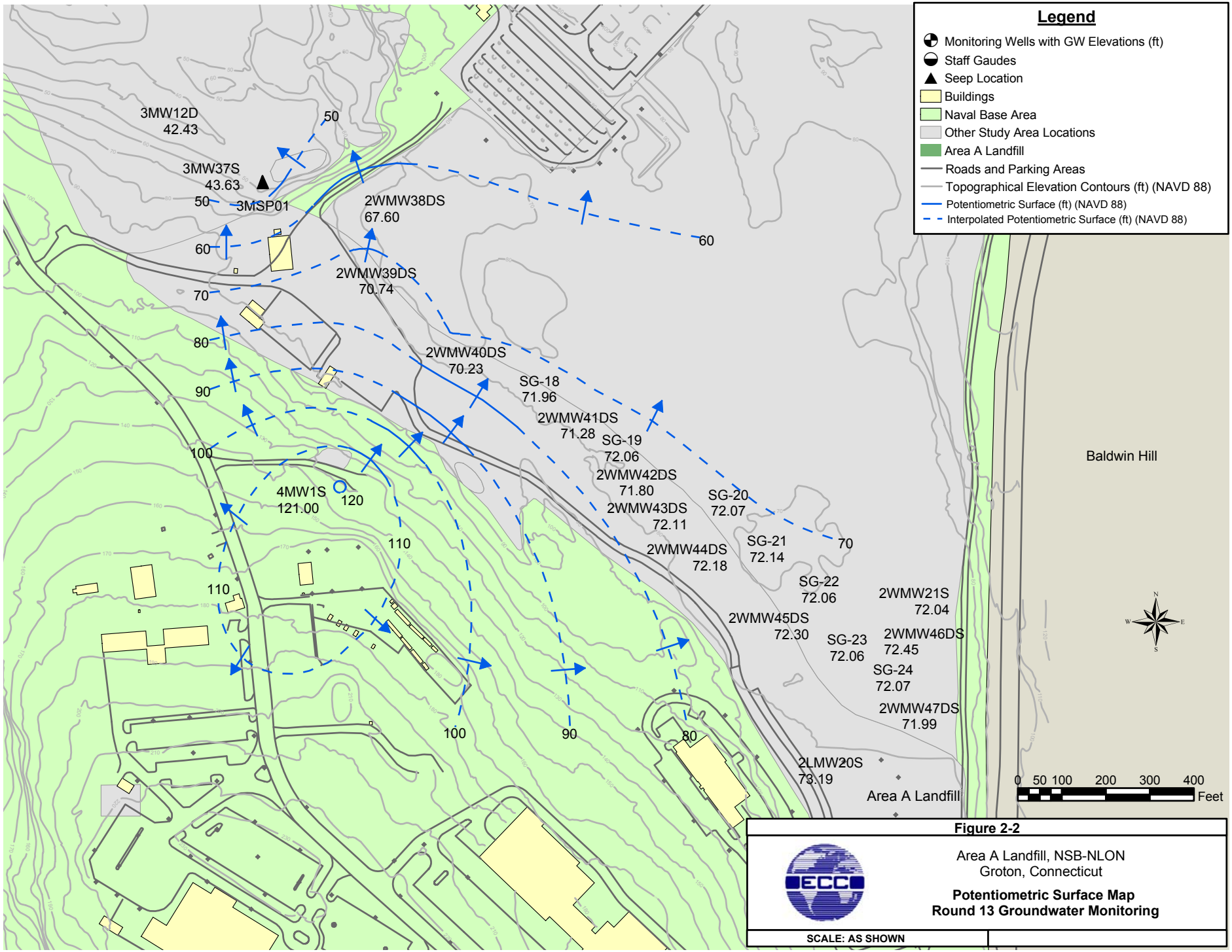


Figure 2-2

Area A Landfill, NSB-NLON
Groton, Connecticut

Potentiometric Surface Map
Round 13 Groundwater Monitoring

SCALE: AS SHOWN

H:\Groups\Navy\New London_NSB\Goss Cove and Area A GIS\Area A Round 13\Maps\Figure 2-2 (Surface Map)

TABLE 2-1
ROUND 13 GROUNDWATER MEASUREMENTS AND ELEVATIONS
YEAR 4 ANNUAL GROUNDWATER MONITORING REPORT - APRIL 2004
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	8/14/2003	F/A	86.83	13.64	73.19	3MW37S	8/14/2003	A	47.26	3.63	43.63
2WMW21S	8/14/2003	DS	76.31	4.27	72.04	4MW1S	8/14/2003	BR	129.55	8.55	121.00
2WMW38DS	8/14/2003	DS	74.06	6.46	67.60	SG06	8/14/2003	NA	NA	16.88	NA
2WMW39DS	8/14/2003	SS/DS	73.54	2.80	70.74	SG15	8/14/2003	NA	74.03	Dry	NA
2WMW40DS	8/14/2003	DS	73.21	2.98	70.23	SG16	8/14/2003	NA	73.50	Dry	NA
2WMW41DS	8/14/2003	DS	73.39	2.11	71.28	SG17	8/14/2003	NA	73.57	Dry	NA
2WMW42DS	8/14/2003	DS	73.65	1.85	71.80	SG18	8/14/2003	NA	75.92	3.96	71.96
2WMW43DS	8/14/2003	DS	74.36	2.25	72.11	SG19	8/14/2003	NA	75.83	3.77	72.06
2WMW44DS	8/14/2003	DS	73.72	1.54	72.18	SG20	8/14/2003	NA	75.19	3.12	72.07
2WMW45DS	8/14/2003	DS	74.24	1.94	72.30	SG21	8/14/2003	NA	75.32	3.18	72.14
2WMW46DS	8/14/2003	DS	73.53	1.08	72.45	SG22	8/14/2003	NA	76.13	4.07	72.06
2WMW47DS	8/14/2003	SS/DS	73.39	1.40	71.99	SG23	8/14/2003	NA	75.83	3.77	72.06
3MW12D	8/14/2003	BR	47.22	4.79	42.43	SG24	8/14/2003	NA	76.68	4.61	72.07

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
ROUND 13 GROUNDWATER QUALITY DATA
YEAR 4 ANNUAL GROUNDWATER MONITORING REPORT - APRIL 2004
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

WELL	DATE	TIME (24hr)	Cumulative Volume Purged (liters)	Temp (ºC)	pH (std)	Spec. Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Purge Rate (ml/min)
2LMW20S	08/21/03	1343	5.0	18.35	5.91	0.50	-27.0	0.90	8.09	-
2WMW21S	08/21/03	1115	8.0	16.59	7.07	30.05	-345.0	0.81	4.90	-
2WMW38DS	08/20/03	1335	3.9	19.01	6.40	6.78	-90.0	1.27	0.98	-
2WMW39DS	08/20/03	1442	2.4	16.73	6.32	19.61	-112.0	1.04	3.36	-
2WMW40DS	08/19/03	1610	4.4	13.04	7.23	20.00	-343.0	1.69	2.51	-
2WMW41DS	08/21/03	0908	4.0	12.98	7.18	17.84	-324.0	1.83	3.32	-
2WMW42DS	08/18/03	1308	7.2	13.38	7.11	19.01	-417.0	2.32	24.47	-
2WMW43DS	08/18/03	1258	4.0	15.15	7.13	24.95	-336.0	0.77	5.66	-
2WMW44DS	08/19/03	1637	3.8	14.18	7.14	33.32	-367.0	0.75	5.97	-
2WMW45DS	08/19/03	1436	14.8	15.16	7.05	34.36	-371.0	0.91	5.01	-
2WMW46DS	08/18/03	1635	3.5	12.20	7.14	36.24	-360.0	0.71	5.80	-
2WMW47DS	08/20/03	0940	4.4	17.58	6.71	128.60	-325.0	0.88	0.16	-
3MW12D	08/20/03	1315	5.6	16.08	6.31	2.68	-3.0	1.01	12.00	-
3MW37S	08/20/03	1522	5.2	16.48	6.43	1.22	68.0	1.48	1.25	-
4MW1S	08/21/03	0915	7.8	15.76	5.36	0.22	275.0	5.81	0.00	-

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
ROUND 13 SURFACE WATER AND SEEP WATER QUALITY MEASUREMENTS
YEAR 4 ANNUAL GROUNDWATER MONITORING REPORT - APRIL 2004
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

LOCATION	DATE	TIME (24hr)	Temp (ºC)	pH (std)	Spec. Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Salinity (ppt)
SG18	08/15/03	1025	21.96	6.07	0.41	-41.0	2.23	-
SG19	08/18/03	1425	20.23	7.01	0.74	-127.0	2.77	-
SG20	08/15/03	1045	22.96	5.91	0.34	2.0	1.65	-
SG21	08/15/03	1055	23.71	5.99	0.40	-7.0	1.11	-
SG22	08/15/03	1105	18.52	6.46	0.58	-95.0	1.39	-
SG23	08/15/03	1120	20.33	5.97	0.85	-19.0	0.66	-
SG24	08/15/03	1000	15.22	6.12	1.02	-9.0	4.77	-
3MSP01	08/15/03	1450	11.73	6.45	0.65	NR	6.90	-

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

3.0 MONITORING RESULTS

During the fourth year of monitoring, field activities were performed during the months of April 2003 (Round 12) and August 2003 (Round 13). Monitoring well locations are shown on Figure 2-1. Monitoring well construction details are shown on Table 3-1. Appendices B through D contain the pertinent field forms for the Round 13 sampling activities. Field forms for activities completed for Rounds 12 were previously provided in the semi-annual report (ECC 2003). The only exception is the groundwater sample log sheets, low-flow purge data sheets and surface water sample log sheets. Copies of these field forms for Rounds 12 are included in Appendix D.

Copies of the monitoring well inspection sheets, water level field forms, calibration logs along with groundwater and surface water field forms, and data validation memos and laboratory analytical results for Round 13 are provided in Appendices B through E, respectively.

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). These COPCs include:

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

A complete set of analytical results and data valadation for Round 13 can be found in Appendix E, Round 12 analytical results and data valadation were supplied in the semi-annual report (ECC 2003). The updated, with corrected minimum detection level (MDL) concentrations, Round 12 analytical results are listed in Appendix E.

The Year 4 groundwater and surface water analytical results for COPCs and miscellaneous parameters are summarized in Tables 3-2 and 3-3, respectively. Side by side tables with results from both Rounds 12 and 13 are summarized in Tables 3-2a and 3-3a for groundwater and surface water, respectively. The primary and secondary monitoring criteria are presented in these tables, as well as the basewide background concentrations for inorganics. A bolded number and shaded cell in Tables 3-2 and 3-3 denotes an exceedance of monitoring criteria or background concentrations. Figures 3-1 and 3-2 depict the compounds that were detected in excess of either monitoring criteria at the groundwater and surface water monitoring locations, respectively.

Figures and tables of exceedances in Round 12 were included in the semi-annual report (ECC 2003).

A total of 15 monitoring wells (3MW12D, 2LMW20S, 2WMW21S, 4MW1S, 2WMW38DS through 2WMW47DS, and 3MW37S) were sampled during two quarters of the fourth year of groundwater monitoring (Rounds 12 and 13). As directed in the GMP (TtNUS, 2002b), seven staff gauge locations (SG18 through SG24) and one seep sampling location (3MSP01) were also sampled as part of the fourth year sampling program.

During the extraction of the Round 13 inorganic samples, there were six samples that had to be diluted five fold due to high sodium concentrations: 2WMW21S, 2WMW40DS, 2WMW41DS, 2WMW42DS, 2WMW44DS, and 2WMW45DS. The reporting limits for these six samples were above the primary and background criteria for arsenic; above the secondary and background criteria for chromium; and above all criterion for beryllium, cadmium, copper, lead, and zinc.

A majority of the Round 13 samples were qualified with a "J" (J = Estimated Value). The reason for the qualification varied from sample group to sample group: cooler temperature exceeding six degrees Celsius, detects in the lab prep blank, problems with the laboratory control sample, etc. 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 decision) by the Project Chemist (see data validation section of Appendix E).

The analytical results were 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).

The results of this comparison can be summarized as follows:

- **Benzo(b)fluoranthene** was detected at the surface water location at a concentration above the primary monitoring criterion of 0.3 micrograms per liter (µg/L). Sample location SG24 had a concentration of 0.4J µg/L during Round 13 sampling.
- **Benzo(k)fluoranthene** was detected at a concentration about the primary criterion in surface water location SG24. During Round 13, sample location SG24 had a concentration of 0.42J µg/L. This result was above the primary criterion of 0.3 µg/L.
- **Phenanthrene** was detected in concentrations above the primary criterion of 0.3 µg/L in both groundwater well and surface water sample locations.

Phenanthrene was detected in well 2MW42DS at a concentration of 7.2 µg/L during Round 12. This value exceeded the primary criterion (0.3 µg/L) for phenanthrene.

The surface water location SG19 sample was also detected at concentrations above of primary criterion for both Rounds 12 and 13. During Round 12, SG19 had a concentration of 0.48 µg/L. For Round 13, SG19 was selected for the field duplicate sampling, both the primary and duplicate sample had detections above 0.3 µg/L. SG19 was detected at 0.62 µg/L and its field duplicate was 0.57 µg/L.

- **Total arsenic** was detected in concentrations above the primary and secondary criterion as well as above the background concentration. Only one location, SG24, was above both the monitoring limits and the background concentration. Wells 2WMW40DS, 2WMW43DS (plus duplicate), 2WMW45DS (plus duplicate), 2WMW46DS, and 2WMW47DS (plus duplicate), and surface water location SG22 exceeded the primary and background criterion. Wells 2WMW41DS and 2WMW42DS and surface water locations SG23 and SG24 (Round 12) exceeded solely the background concentration. The laboratory reporting limit for total arsenic (4 µg/L) was equal to the primary criterion and exceeded the background criterion (1.92 µg/L) for this COPC.

  The surface water location SG24 sample was detected at a concentration of 4 J µg/L for Round 12 and 190 µg/L for Round 13. The Round 12 concentration only exceeded the background concentration of 1.92 µg/L while the Round 13 sample concentration exceeded all monitoring criterion for Area A Landfill, including the secondary monitoring criterion of 150 µg/L.

  Total arsenic was detected in groundwater well 2WMW40DS at a concentration of 8 µg/L in Round 12. This concentrations exceeded the primary monitoring criterion of 4 µg/L and the background concentration of 1.92 µg/L for total arsenic.

  Total arsenic detected concentrations exceeded the primary monitoring criterion and the background concentration for both Rounds 12 and 13 in well 2WMW43DS. The concentration was 7 µg/L (Round 12) and 6 µg/L (Round 13) for the primary and field duplicate samples.

  During Round 12, groundwater well 2WMW45DS and the field duplicate had concentrations of 12 µg/L and 5 µg/L, respectively. These concentrations exceeded the primary monitoring criterion of 4 µg/L and the background concentration of 1.92 µg/L for total arsenic.

  Groundwater well 2WMW46DS had a concentration of 18 µg/L and 17 µg/L for Rounds 12 and 13, respectively. There concentrations were above the primary monitoring criterion and the background concentration for total arsenic.

Well 2WMW47DS had a Round 12 concentration of 15 µ/L and during Round 13, groundwater well 2WMW47DS and the associated duplicate had concentrations of 35 µg/L and 29 µg/L, respectively. All three samples exceeded the primary monitoring criterion and the background concentration for total arsenic.

Surface water sample SG22 had a concentration exceeding both the primary criterion and the background concentration. The Round 13 concentration of SG22 was 9J µg/L.

Groundwater wells 2WMW41DS and 2WMW42DS both had concentrations of 4 µg/L for Round 12. The concentrations of these wells exceeded the background concentration of Area A Landfill and were the same as the primary monitoring criterion.

Surface water sample SG23 had a concentration exceeding the background concentration and was the same as the primary criteria. The Round 13 concentration of SG23 was 4J µg/L.

- **Dissolved arsenic** was detected at concentrations above the primary criterion and the background concentration (2.55 µg/L). Detections at groundwater wells 2WMW40DS, 2WMW42DS, 2WMW43DS, 2WMW45DS (plus field duplicate), 2WMW46DS, and 2WMW47DS (plus field duplicate), and surface water samples SG22 and SG24 exceed the primary and background criterion. Wells 2WMW38DS, 2WMW41DS and 2WMW43DS (Round 13 field duplicate) and surface water location SC23 only exceeded the background concentration. As with the total arsenic, the laboratory reporting limit for dissolved arsenic (4 µg/L) was equal to the primary criterion and exceeded the background criterion (2.55 µg/L) for this COPC.

  Dissolved arsenic was detected in groundwater well 2WMW40DS at a concentration of 6 µg/L in Round 12. This concentrations exceeded the primary monitoring criterion of 4 µg/L and the background concentration of 2.55 µg/L for dissolved arsenic.

  Dissolved arsenic was detected at concentrations exceeding the primary monitoring criterion and the background concentration for both Rounds 12 and 13 in well 2WMW42DS. The Round 12 concentration was 13 µg/L and Round 13 was 18.6 J µg/L.

  During Rounds 12 and 13, both groundwater well samples for 2WMW43DS had concentrations of 6 µg/L. These concentrations exceeded the primary monitoring criterion of 4 µg/L and the background concentration of 2.55 µg/L for dissolved arsenic. The Round 13 field duplicate of 2WMW43DS had a detect concentration of 3.97J µg/L, which was less than the primary criterion but greater than the background concentration.

  Well 2WMW45DS and its corresponding field duplicate during Rounds 12 had concentrations of 5 µg/L and 6 µg/L, respectively. There concentrations were above the primary monitoring criterion and the background concentration for dissolved arsenic.

Well 2WMW46DS had a Round 12 concentration of 19 µ/L and during Round 13 the well had a concentration of 12 µg/L. Both rounds exceeded the primary monitoring criterion and the background concentration for dissloved arsenic.

Well 2WMW47DS had a Round 12 concentration of 12 µ/L and during Round 13, groundwater well 2WMW47DS and the associated field duplicate had concentrations of 19 µg/L and 16 µg/L, respectively. All three samples exceeded the primary monitoring criterion and the background concentration for total arsenic.

Surface water location SG22 had a concentration exceeding both the primary criterion and the background concentration during Round 13. The concentration of SG22 was 6 J µg/L.

Surface water location SG24 had a Round 13 concentration exceeding both the primary criterion and the background concentration. The concentration of SG24 was 14 J µg/L.

The Round 12 and 13 concentrations for monitoring well 2WMW38DS were 4 µg/L and 3.88 J µg/L, respectively. The Round 12 concentration was the same as the primary monitoring criterion while the Round 13 concentration was below the primary criterion. Both concentrations were above the background concentration.

Well 2WMW41DS had Rounds 12 concentration of 4 µg/L. The concentration was the same as the primary monitoring criterion, but was above the background concentration.

Surface water location SG23 had Round 13 concentration of 4 J µg/L, it was the same as the primary monitoring criterion but exceeded the background concentration.

- **Total chromium** was detected at concentrations above the secondary monitoring criterion and the background concentration.

  During Round 12, groundwater well 2WMW43DS had a detect concentration of 20 µg/L. This concentration was only above the secondary monitoring criterion (11 µg/L).

  During Round 13, surface water sample location SG24 had a concentration of 70 J µg/L. This concentration was above both the secondary monitoring criterion was well as the background concentration (49.9 µg/L).

- **Total copper** was detected in samples at concentrations greater than the primary criterion (48 µg/L), secondary criterion (4.8 µg/L) and background concentration (107 µg/L). The exceedances of the criterion occurred only during Round 13 sampling. The reporting limit for total copper (10 µg/L) was above the secondary monitoring criterion.

  Surface water sample from location SG24 had a concentration of 290 J µg/L. This sample concentration was above both monitoring criterion and the background concentration.

The duplicate sample for well 2WMW47DS had a concentration of 6.4 J µg/L. This concentration was above the secondary monitoring criterion.

Surface water location SG18 had a concentration of 6 J µg/L. The resulting concentration was above the secondary monitoring criterion.

Surface water location SG22 had a concentration 5.5 J µg/L. This sample location was above the secondary criterion.

Surface water location SG23 had a concentration of 7.3 J µg/L. The detected concentration was above the secondary monitoring criterion.

- **Dissolved copper** was detected in one sample at a concentration greater than the secondary criterion of 4.8 µg/L. The reporting limit for dissolved copper (10 µg/L) was above the secondary monitoring criterion.

  Round 13 groundwater sample 2WMW47DS had a concentration of 5.6 J µg/L. The sample exceeded the secondary monitoring criterion, but was below the primary criterion (48 µg/L) and background concentration (39.4 µg/L).

- **Total lead** was detected in concentrations above both the primary and secondary monitoring criterion as well the background concentration for one groundwater well and one surface water location during Rounds 12 and 13. The Round 13 reporting limit for total lead (5 µg/L) was above the secondary monitoring criterion and the Round 12 reporting limit for total lead (10 µg/L) was above both the secondary criterion and the background concentration.

  For groundwater well 2WMW47DS, total lead was detected at a concentration of 14 µg/L during Round 12. This result was above the primary (13 µg/L), secondary (1.2 µg/L), and background (6.63 µg/L) concentrations.

  During Round 13, total lead was only detected in one surface water sample. Sample SG24 had a concentration of 198 J µg/L. This concentration exceeded the primary, secondary, and background criterion for total lead.

- **Dissolved lead** was detected during Rounds 12 and 13 in concentrations above the primary (13 µg/L), secondary (1.2 µg/L) and background (2.52 µg/L) criterion. The laboratory reporting limit for lead was 5 µg/L (Round 13) and 10 µg/L (Round 12) which also exceeded the secondary and background criterion.

  During Round 12, dissolved lead was detected at 15 µg/L in groundwater well 2WMW47DS, which exceeded the primary, secondary and background criterion. During Round 13, groundwater sample 2WMW47DS had a concentration of 7 µg/L. This concentration was above the secondary and background concentrations but below the primary criterion.

- **Total Zinc** was detected in concentrations above the primary and secondary monitoring criterion during Rounds 12 and 13 sampling activities. The concentrations at surface water locations SG23 and SG24 exceeded the primary (123 µg/L), secondary (58.2 µg/L) and background (131 µg/L) criterion. The concentrations at locations 2WMW46DS, SG18, SG19, SG22, and the field duplicate for SG24 exceeded only the secondary monitoring criterion.

  Surface water location SG23 had concentrations of 490 µg/L and 180 J µg/L for Rounds 12 and 13, respectively. These concentrations exceeded the primary, secondary and background criterion.

  For Round 13, surface water location SG24 had a detect concentration of 880 J µg/L. This concentration exceeded the primary, secondary and background criterion. During Round 12, the duplicate for surface water sample SG24 resulted in a concentration of 100 J µg/L. This concentration was above the secondary monitoring criterion, but below both the primary criterion and the background concentration.

  Groundwater well 2WMW46DS had a concentration of 60 µg/L during Round 12. This concentration was above the secondary monitoring criterion.

  Surface water locations SG18 had a detect concentration of 80 J µg/L during Round 13. This concentration was above the secondary monitoring criterion.

  Surface water locations SG19 had a detect concentration of 120 µg/L during Round 12. This concentration was above the secondary monitoring criterion.

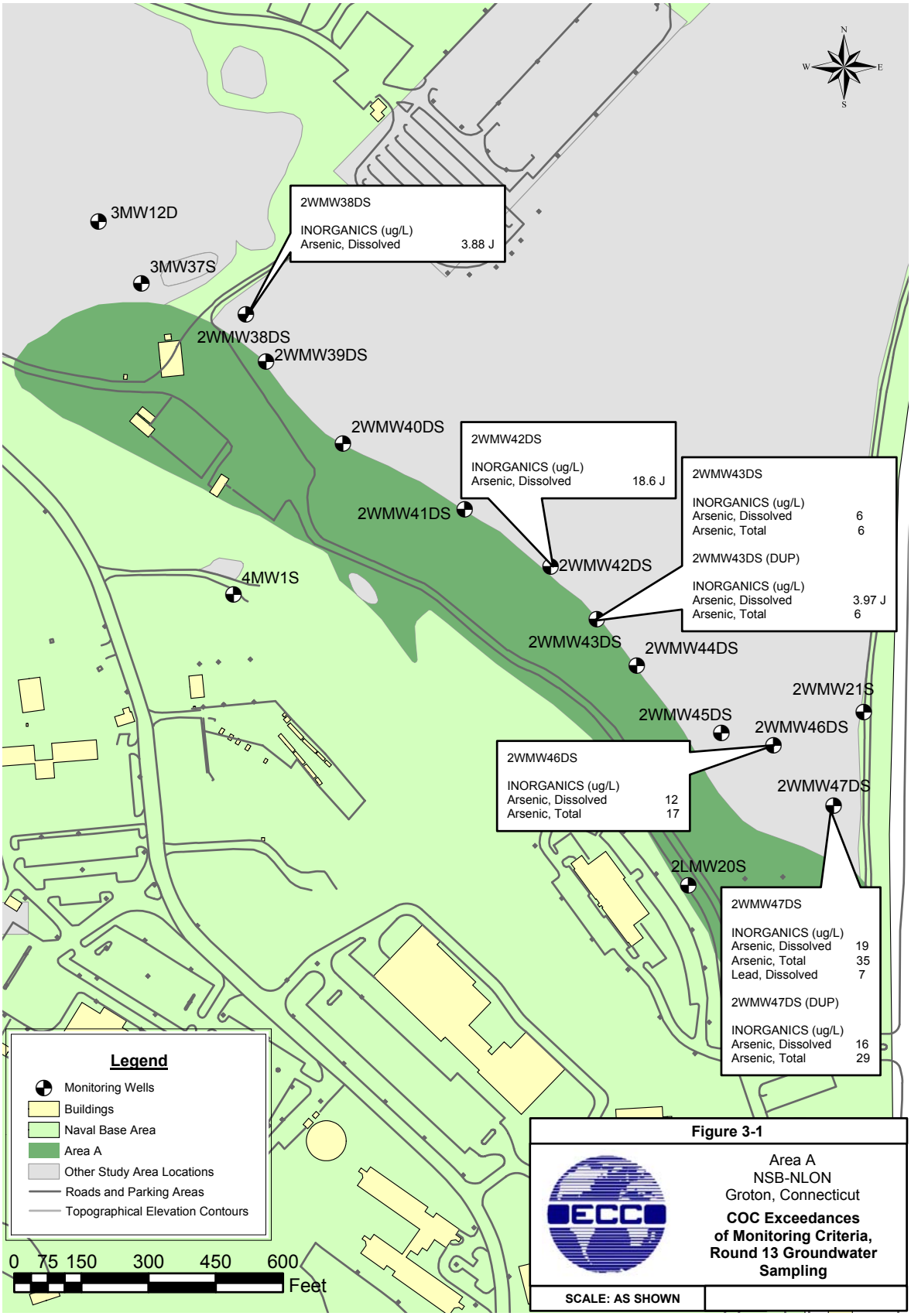
  Surface water locations SG22 had a detect concentration of 80 µg/L during Round 12. This concentration was above the secondary monitoring criterion.

- **Dissolved zinc** was detected at concentrations above the primary, secondary and background (109 µg/L) criterion during Round 12 surface water sampling of Area A Landfill.

  The surface water location SG23 had a concentration of 250 µg/L. This concentration was above the primary, secondary and background criterion.

  Surface water location SG19 had a resulting concentration of 60 µg/L. This concentration was above the secondary criterion only.

  The surface water location SG22 had a concentration of 60 µg/L. This concentration was above the secondary criterion only.



H:\Groups\Navy\New London_NSB\Area A Annual\AREA Figures\Area A Round 13\Maps\Figure 3-1 (COC Exc. MWs)

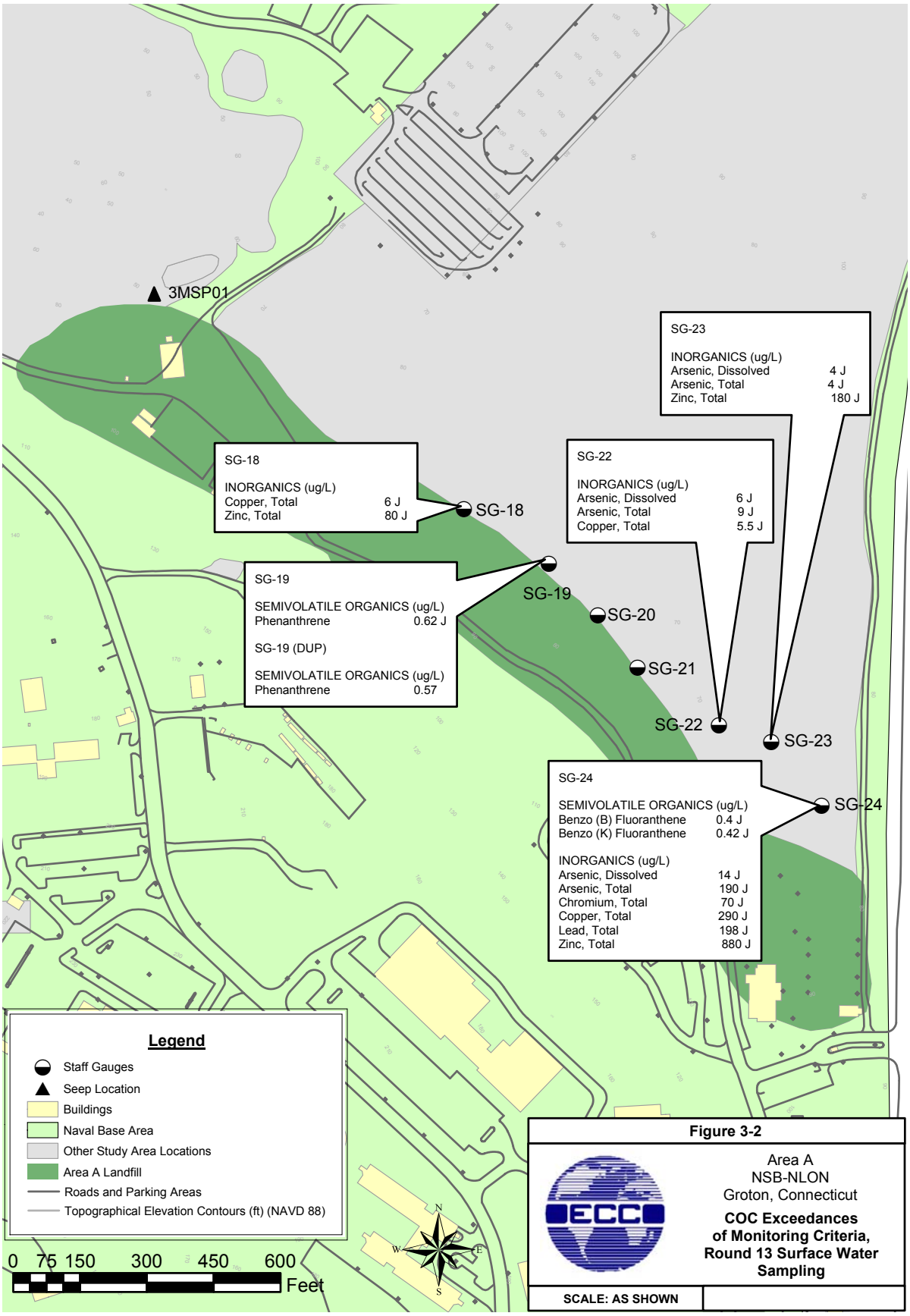


Figure 3-2

Area A
NSB-NLON
Groton, Connecticut

COC Exceedances of Monitoring Criteria, Round 13 Surface Water Sampling

SCALE: AS SHOWN

H:\Groups\Navy\New London_NSB\Area A Annual\AREA Figures\Area A Round 13\Maps\Figure 3-2 (COC Exc. SGs)

TABLE 3-1

MONITORING WELL CONSTRUCTION DETAILS
YEAR 4 ANNUAL GROUNDWATER MONITORING REPORT – APRIL 2004
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Well Location	Well Construction Material	Top of Riser/ Ground Surface Elevation (1,2) (feet)	Top/Bottom of Screen (feet BGS)	Elevation of Top/Bottom of Screen (1,2) (feet)	Screened Formation	Total Depth (feet BGS)	Depth to Bedrock (feet BGS)
4MW1S	PVC	129.55/127.98	8.5-18.5	119.48/109.48	Bedrock	18.5	2.5
3MW12D	PVC	47.22/44.89	20.0-25.0	24.89/19.89	Bedrock	25.5	12
2LMW20S	PVC	86.83/87.23	9.0-19.0	78.23/68.23	Fill/Alluvium	19.0	NA
2WMW21S	PVC	76.31/74.62	5.0-15.0	69.62/59.62	Dredge Spoil	15.0	NA
3MW37S	PVC	47.26/44.09	4.5-5.5	39.59/38.59	Alluvium	5.5	NA
2WMW38DS	PVC	74.06/72.28	4.0-9.0	68.28/63.28	Dredge Spoil	12.0	NA
2WMW39DS	PVC	73.53/71.60	4.0-14.0	67.60/57.60	Surficial Sand/ Dredge Spoil	15.0	NA
2WMW40DS	PVC	73.21/71.46	4.0-14.0	67.46/57.46	Dredge Spoil	15.0	NA
2WMW41DS	PVC	73.39/71.04	4.5-14.5	66.54/56.54	Dredge Spoil	15.5	NA
2WMW42DS	PVC	73.65/71.24	6.0-16.0	65.24/55.24	Dredge Spoil	17.0	NA
2WMW43DS	PVC	74.36/71.39	4.0-14.0	67.39/57.39	Dredge Spoil	15.0	NA
2WMW44DS	PVC	73.72/70.95	4.0-14.0	66.95/56.95	Dredge Spoil	15.0	NA
2WMW45DS	PVC	74.24/72.24	4.0-14.0	68.24/58.24	Dredge Spoil	15.0	NA
2WMW46DS	PVC	73.53/71.76	4.0-14.0	67.76/57.76	Dredge Spoil	15.0	NA
2WMW47DS	PVC	73.39/71.98	4.0-14.0	67.98/ 57.98	Surficial Sand/ Dredge Spoil	15.0	NA

1 Datum for elevations is the Base 1982 Vertical Datum.
2 All elevations are post-cap construction conditions.

Notes:
Base 1982 Vertical Datum = NAVD 88 + 2.39 feet.
BGS means below ground surface.
NA means information is not available or not applicable.

TABLE 3-2
ROUND 13 GROUNDWATER ANALYTICAL RESULTS SUMMARY
YEAR 4 ANNUAL GROUNDWATER MONITORING REPORT - APRIL 2004
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Chemical	Primary Monitoring Criterion [1]	Secondary Monitoring Criterion	NSB-NLON Background Concentration[4]	2LMW20S Round 13 8/21/2003	2WMW21S Round 13 8/21/2003	2WMW38DS Round 13 8/20/2003	2WMW39DS Round 13 8/20/2003	2WMW40DS Round 13 8/19/2003	2WMW41DS Round 13 8/21/2003	2WMW42DS Round 13 8/18/2003	2WMW43DS Round 13 8/18/2003
SVOCs (µg/L)											
BENZO(A)ANTHRACENE	0.3	NA	--	0.2 UJ	0.2 UJ	0.2 UJ	0.2 U	0.2 UJ	0.2 UJ	0.2 UJ	0.2 U
BENZO(A)PYRENE	0.3	NA	--	0.2 UJ	0.2 UJ	0.2 UJ	0.2 U	0.2 UJ	0.2 UJ	0.2 UJ	0.2 U
BENZO(B)FLUORANTHENE	0.3	NA	--	0.2 UJ	0.2 UJ	0.2 UJ	0.2 U	0.2 UJ	0.2 UJ	0.2 UJ	0.2 U
BENZO(K)FLUORANTHENE	0.3	NA	--	0.2 UJ	0.2 UJ	0.2 UJ	0.2 U	0.2 UJ	0.2 UJ	0.2 UJ	0.2 U
BIS(2-ETHYLHEXYL)PHTHALATE	59	NA	--	3.6 J	3.5 J	10 U	10 U	3.5 J	3.9 J	3.7 J	3.9 J
PHENANTHRENE	0.3	NA	--	0.2 UJ	0.2 UJ	0.2 UJ	0.2 U	0.2 UJ	0.2 UJ	0.2 UJ	0.2 U
Inorganics (Total) (µg/L)											
ARSENIC	4	150 [2]	1.92	4 UJ	20 UJ	4 UJ	4 U	20 UJ	20 UJ	20 UJ	**6**
BERYLLIUM	4	NA	NA	2 UJ	10 UJ	2 UJ	2 U	10 UJ	10 UJ	10 UJ	2 U
CADMIUM	6	0.62[3][4]	NA	2 UJ	10 UJ	2 UJ	2 U	10 UJ	10 UJ	10 UJ	2 U
CHROMIUM	110	11[2]	49.9	10 UJ	5.5 J	2.9 J	10 UJ	6.4 J	10 J	50 UJ	5.9 J
COPPER	48	4.8[3][4]	107	10 UJ	50 UJ	1.8 J	10 UJ	50 UJ	50 UJ	50 UJ	10 U
LEAD	13	1.2[3][4]	6.63	5 UJ	25 UJ	5 UJ	5 U	25 UJ	25 UJ	25 UJ	5 U
ZINC	123	58.2[3]	131	50 U	250 UJ	50 U	50 U	250 U	250 UJ	31 J	6.4 J
Inorganics (Dissolved) (µg/L)											
ARSENIC	4	150 [2]	2.55	4 UJ	20 UJ	**3.88 J**	4 U	20 UJ	20 UJ	**18.6 J**	**6**
BERYLLIUM	4	NA	NA	2 UJ	10 UJ	2 UJ	2 U	10 UJ	10 UJ	10 UJ	2 U
CADMIUM	6	0.62[3][4]	NA	2 UJ	10 UJ	2 UJ	2 U	10 UJ	10 UJ	10 UJ	2 U
CHROMIUM	110	11[2]	16	10 UJ	6.5 J	3.5 J	10 UJ	6.8 J	8.9 J	5.6 J	6.6 J
COPPER	48	4.8[3][4]	39.4	10 UJ	50 UJ	10 UJ	10 UJ	50 UJ	50 UJ	50 UJ	10 U
LEAD	13	1.2[3][4]	2.52	5 UJ	25 UJ	5 UJ	5 U	25 UJ	25 UJ	25 UJ	5 U
ZINC	123	58.2[3]	109	12 J	250 UJ	50 U	50 U	250 UJ	250 UJ	14 J	7.2 J

NOTES:
Bold numbers denote exceedance of monitoring criterion or background 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.

TABLE 3-2
ROUND 13 GROUNDWATER ANALYTICAL RESULTS SUMMARY
YEAR 4 ANNUAL GROUNDWATER MONITORING REPORT - APRIL 2004
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Chemical	Primary Monitoring Criterion [1]	Secondary Monitoring Criterion	NSB-NLON Background Concentration[4]	2WMW43DS (DUP) Round 13 8/18/2003	2WMW44DS Round 13 8/19/2003	2WMW45DS Round 13 8/19/2003	2WMW46DS Round 13 8/18/2003	2WMW47DS Round 13 8/20/2003	2WMW47DS (DUP) Round 13 8/20/2003	3MW12D Round 13 8/20/2003	3MW37S Round 13 8/20/2003	4MW1S Round 13 8/21/2003
SVOCs (µg/L)												
BENZO(A)ANTHRACENE	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 UJ
BENZO(A)PYRENE	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 UJ
BENZO(B)FLUORANTHENE	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 UJ
BENZO(K)FLUORANTHENE	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 UJ
BIS(2-ETHYLHEXYL)PHTHALATE	59	NA	--	3.8 J	3.7 J	3.7 J	4 J	3.6 J	3.6 J	3.7 J	3.6 J	3.6 J
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 UJ
Inorganics (Total) (µg/L)												
ARSENIC	4	150 [2]	1.92	**6**	20 UJ	20 UJ	**17**	**35**	**29**	4 UJ	4 UJ	4 UJ
BERYLLIUM	4	NA	NA	2 U	10 UJ	10 UJ	2 U	2 U	2 U	2 UJ	2 UJ	2 UJ
CADMIUM	6	0.62[3][4]	NA	2 U	10 UJ	10 UJ	2 U	2 U	2 U	2 UJ	2 UJ	2 UJ
CHROMIUM	110	11[2]	49.9	3.6 J	50 UJ	4 J	6.3 J	1.3 J	7.9 J	10 UJ	10 UJ	10 UJ
COPPER	48	4.8[3][4]	107	10 U	50 UJ	50 UJ	10 U	10 UJ	**6.4 J**	2.5 J	10 UJ	10 UJ
LEAD	13	1.2[3][4]	6.63	5 U	25 UJ	25 UJ	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ
ZINC	123	58.2[3]	131	50 U	250 UJ	250 UJ	19 J	50 U	50 U	50 U	50 U	50 U
Inorganics (Dissolved) (µg/L)												
ARSENIC	4	150 [2]	2.55	**3.97 J**	20 UJ	20 UJ	**12**	**19**	**16**	4 UJ	4 UJ	4 UJ
BERYLLIUM	4	NA	NA	2 U	10 UJ	10 UJ	2 U	2 U	2 U	2 UJ	2 UJ	2 UJ
CADMIUM	6	0.62[3][4]	NA	2 U	10 UJ	10 UJ	2 U	2 U	2 U	2 UJ	2 UJ	2 UJ
CHROMIUM	110	11[2]	16	3.6 J	50 UJ	50 UJ	6.3 J	10 J	10 UJ	10 UJ	10 UJ	10 UJ
COPPER	48	4.8[3][4]	39.4	10 U	50 UJ	50 UJ	10 U	**5.6 J**	10 UJ	10 UJ	10 UJ	10 UJ
LEAD	13	1.2[3][4]	2.52	5 U	25 UJ	25 UJ	5 U	**7**	5 U	5 UJ	5 UJ	5 UJ
ZINC	123	58.2[3]	109	50 UJ	250 UJ	250 UJ	3.6 J	50 U	50 U	50 U	50 U	50 U

NOTES:
Bold numbers denote exceedance of monitoring criterion or background 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 compoun
5 Background concentrations taken from Basewide Groundwater Operable Unit Remedial Investigati

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

TABLE 3-2a
ROUNDS 12 AND 13 GROUNDWATER ANALYTICAL RESULTS SUMMARY
YEAR 4 ANNUAL GROUNDWATER MONITORING REPORT - APRIL 2004
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Chemical	Primary Monitoring Criterion [1]	Secondary Monitoring Criterion	NSB-NLON Background Concentration[4]	2LMW20S Round 12 4/15/2003	2LMW20S Round 13 8/21/2003	2WMW21S Round 12 4/11/2003	2WMW21S Round 13 8/21/2003	2WMW38DS Round 12 4/3/2003	2WMW38DS Round 13 8/20/2003	2WMW39DS Round 12 4/3/2003	2WMW39DS Round 13 8/20/2003
SVOCs (µg/L)											
BENZO(A)ANTHRACENE	0.3	NA	--	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.2 U
BENZO(A)PYRENE	0.3	NA	--	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.2 U
BENZO(B)FLUORANTHENE	0.3	NA	--	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.2 U
BENZO(K)FLUORANTHENE	0.3	NA	--	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.2 U
BIS(2-ETHYLHEXYL)PHTHALATE	59	NA	--	12 U	3.6 J	19 U	3.5 J	4.9 U	10 U	5 U	10 U
PHENANTHRENE	0.3	NA	--	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.2 U
Inorganics (Total) (µg/L)											
ARSENIC	4	150 [2]	1.92	4 U	4 UJ	4 U	20 UJ	4 U	4 UJ	4 U	4 U
BERYLLIUM	4	NA	NA	4 U	2 UJ	4 U	10 UJ	4 U	2 UJ	4 U	2 U
CADMIUM	6	0.62[3][4]	NA	5 U	2 UJ	5 U	10 UJ	5 U	2 UJ	5 U	2 U
CHROMIUM	110	11[2]	49.9	10 U	10 UJ	10 U	5.5 J	10 U	2.9 J	10 U	10 UJ
COPPER	48	4.8[3][4]	107	10 U	10 UJ	10 U	50 UJ	10 U	1.8 J	10 U	10 UJ
LEAD	13	1.2[3][4]	6.63	10U	5 UJ	10 U	25 UJ	10 U	5 UJ	10 U	5 U
ZINC	123	58.2[3]	131	50	50 U	50 U	250 UJ	50 U	50 U	50 U	50 U
Inorganics (Dissolved) (µg/L)											
ARSENIC	4	150 [2]	2.55	4 U	4 UJ	4 U	20 UJ	**4**	**3.88 J**	4 U	4 U
BERYLLIUM	4	NA	NA	4 U	2 UJ	4 U	10 UJ	4 U	2 UJ	4 U	2 U
CADMIUM	6	0.62[3][4]	NA	5 U	2 UJ	5 U	10 UJ	5 U	2 UJ	5 U	2 U
CHROMIUM	110	11[2]	16	10 U	10 UJ	10 U	6.5 J	10 U	3.5 J	10 U	10 UJ
COPPER	48	4.8[3][4]	39.4	10 U	10 UJ	10 U	50 UJ	10 U	10 UJ	10 U	10 UJ
LEAD	13	1.2[3][4]	2.52	10U	5 UJ	10 U	25 UJ	10 U	5 UJ	10 U	5 U
ZINC	123	58.2[3]	109	50 U	12 J	50 U	250 UJ	50 U	50 U	50 U	50 U

NOTES:
Bold numbers denote exceedance of monitoring criterion or background 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.

TABLE 3-2a
ROUNDS 12 AND 13 GROUNDWATER ANALYTICAL RESULTS SUMMARY
YEAR 4 ANNUAL GROUNDWATER MONITORING REPORT - APRIL 2004
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Chemical	Primary Monitoring Criterion [1]	Secondary Monitoring Criterion	NSB-NLON Background Concentration[4]	2WMW40DS Round 12 4/3/2003	2WMW40DS Round 13 8/19/2003	2WMW41DS Round 12 4/4/2003	2WMW41DS Round 13 8/21/2003	2WMW42DS Round 12 4/8/2003	2WMW42DS Round 13 8/18/2003	2WMW43DS Round 12 4/8/2003	2WMW43DS Round 13 8/18/2003	2WMW43DS (DUP) Round 13 8/18/2003
SVOCs (µg/L)												
BENZO(A)ANTHRACENE	0.3	NA	--	0.1 U	0.2 UJ	0.1 U	0.2 UJ	**0.11**	0.2 UJ	0.1 U	0.2 U	0.2 U
BENZO(A)PYRENE	0.3	NA	--	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.2 U	0.2 U
BENZO(B)FLUORANTHENE	0.3	NA	--	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.2 U	0.2 U
BENZO(K)FLUORANTHENE	0.3	NA	--	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.2 U	0.2 U
BIS(2-ETHYLHEXYL)PHTHALATE	59	NA	--	5 U	3.5 J	5 U	3.9 J	5 U	3.7 J	5 UJ	3.9 J	3.8 J
PHENANTHRENE	0.3	NA	--	0.1 U	0.2 UJ	0.1 U	0.2 UJ	**7.2**	0.2 UJ	0.1 U	0.2 U	0.2 U
Inorganics (Total) (µg/L)												
ARSENIC	4	150 [2]	1.92	**8**	20 UJ	**4**	20 UJ	**4**	20 UJ	**7**	**6**	**6**
BERYLLIUM	4	NA	NA	4 U	10 UJ	4 U	10 UJ	4 U	10 UJ	4 U	2 U	2 U
CADMIUM	6	0.62[3][4]	NA	5 U	10 UJ	5 U	10 UJ	5 U	10 UJ	5 U	2 U	2 U
CHROMIUM	110	11[2]	49.9	10 U	6.4 J	10	10 J	10 U	50 UJ	**20**	5.9 J	3.6 J
COPPER	48	4.8[3][4]	107	10 U	50 UJ	10 U	50 UJ	10 U	50 UJ	10 U	10 U	10 U
LEAD	13	1.2[3][4]	6.63	10 U	25 UJ	10 U	25 UJ	10 U	25 UJ	10 U	5 U	5 U
ZINC	123	58.2[3]	131	50 U	250 U	50 U	250 UJ	50 U	31 J	50 U	6.4 J	50 U
Inorganics (Dissolved) (µg/L)												
ARSENIC	4	150 [2]	2.55	**6**	20 UJ	**4**	20 UJ	**13**	**18.6 J**	**6**	**6**	**3.97 J**
BERYLLIUM	4	NA	NA	4 U	10 UJ	4 U	10 UJ	4 U	10 UJ	4 U	2 U	2 U
CADMIUM	6	0.62[3][4]	NA	5 U	10 UJ	5 U	10 UJ	5 U	10 UJ	5 U	2 U	2 U
CHROMIUM	110	11[2]	16	10 U	6.8 J	10 U	8.9 J	10 U	5.6 J	10 U	6.6 J	3.6 J
COPPER	48	4.8[3][4]	39.4	10 U	50 UJ	10 U	50 UJ	10 U	50 UJ	10 U	10 U	10 U
LEAD	13	1.2[3][4]	2.52	10 U	25 UJ	10 U	25 UJ	10 U	25 UJ	10 U	5 U	5 U
ZINC	123	58.2[3]	109	50 U	250 UJ	50 U	250 UJ	50 U	14 J	50 U	7.2 J	50 UJ

NOTES:
Bold numbers denote exceedance of monitoring criterion or background 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 Investigatior

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

TABLE 3-2a
ROUNDS 12 AND 13 GROUNDWATER ANALYTICAL RESULTS SUMMARY
YEAR 4 ANNUAL GROUNDWATER MONITORING REPORT - APRIL 2004
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Chemical	Primary Monitoring Criterion [1]	Secondary Monitoring Criterion	NSB-NLON Background Concentration[4]	2WMW44DS Round 12 4/14/2003	2WMW44DS Round 13 8/19/2003	2WMW45DS Round 12 4/14/2003	2WMW45DS (DUP) Round 12 4/14/2003	2WMW45DS Round 13 8/19/2003	2WMW46DS Round 12 4/13/2003	2WMW46DS Round 13 8/18/2003	2WMW47DS Round 12 4/15/2003	2WMW47DS Round 13 8/20/2003	2WMW47DS (DUP) Round 13 8/20/2003
SVOCs (µg/L)													
BENZO(A)ANTHRACENE	0.3	NA	--	0.1 U	0.2 UJ	0.1 U	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.2 U	0.2 U
BENZO(A)PYRENE	0.3	NA	--	0.1 U	0.2 UJ	0.1 U	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.2 U	0.2 U
BENZO(B)FLUORANTHENE	0.3	NA	--	0.1 U	0.2 UJ	0.1 U	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.2 U	0.2 U
BENZO(K)FLUORANTHENE	0.3	NA	--	0.1 U	0.2 UJ	0.1 U	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.2 U	0.2 U
BIS(2-ETHYLHEXYL)PHTHALATE	59	NA	--	11 U	3.7 J	11 U	5 U	3.7 J	5 U	4 J	21 U	3.6 J	3.6 J
PHENANTHRENE	0.3	NA	--	0.1 U	0.2 UJ	0.1 U	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.2 U	0.2 U
Inorganics (Total) (µg/L)													
ARSENIC	4	150 [2]	1.92	4 U	20 UJ	**12**	**5**	20 UJ	**18**	**17**	**15**	**35**	**29**
BERYLLIUM	4	NA	NA	4 U	10 UJ	4 U	4 U	10 UJ	4 U	2 U	4 U	2 U	2 U
CADMIUM	6	0.62[3][4]	NA	5 U	10 UJ	5 U	5 U	10 UJ	5 U	2 U	5 U	2 U	2 U
CHROMIUM	110	11[2]	49.9	10 U	50 UJ	10 U	10 U	4 J	10 U	6.3 J	10 U	1.3 J	7.9 J
COPPER	48	4.8[3][4]	107	10 U	50 UJ	10 U	10 U	50 UJ	10 U	10 U	10 U	10 UJ	**6.4 J**
LEAD	13	1.2[3][4]	6.63	10 U	25 UJ	10 U	10 U	25 UJ	10 U	5 U	**14**	5 U	5 U
ZINC	123	58.2[3]	131	50 U	250 UJ	50 U	50 U	250 UJ	**60**	19 J	50 U	50 U	50 U
Inorganics (Dissolved) (µg/L)													
ARSENIC	4	150 [2]	2.55	4 U	20 UJ	**5**	**6**	20 UJ	**19**	**12**	**12**	**19**	**16**
BERYLLIUM	4	NA	NA	4 U	10 UJ	4 U	4 U	10 UJ	4 U	2 U	4 U	2 U	2 U
CADMIUM	6	0.62[3][4]	NA	5 U	10 UJ	5 U	5 U	10 UJ	5 U	2 U	5 U	2 U	2 U
CHROMIUM	110	11[2]	16	10 U	50 UJ	10 U	10 U	50 UJ	10 U	6.3 J	10 U	10 J	10 UJ
COPPER	48	4.8[3][4]	39.4	10 U	50 UJ	10 U	10 U	50 UJ	10 U	10 U	10 U	**5.6 J**	10 UJ
LEAD	13	1.2[3][4]	2.52	10 U	25 UJ	10 U	10 U	25 UJ	10 U	5 U	**15**	**7**	5 U
ZINC	123	58.2[3]	109	50 U	250 UJ	50 U	50 U	250 UJ	50 U	3.6 J	50 U	50 U	50 U

NOTES:
Bold numbers denote exceedance of monitoring criterion or background 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 Investigatio

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

TABLE 3-2a
ROUNDS 12 AND 13 GROUNDWATER ANALYTICAL RESULTS SUMMARY
YEAR 4 ANNUAL GROUNDWATER MONITORING REPORT - APRIL 2004
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Chemical	Primary Monitoring Criterion [1]	Secondary Monitoring Criterion	NSB-NLON Background Concentration[4]	3MW12D Round 12 4/2/2003	3MW12D Round 13 8/20/2003	3MW37S Round 12 4/2/2003	3MW37S Round 13 8/20/2003	4MW1S Round 12 4/15/2003	4MW1S Round 13 8/21/2003
SVOCs (µg/L)									
BENZO(A)ANTHRACENE	0.3	NA	--	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.2 UJ
BENZO(A)PYRENE	0.3	NA	--	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.2 UJ
BENZO(B)FLUORANTHENE	0.3	NA	--	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.2 UJ
BENZO(K)FLUORANTHENE	0.3	NA	--	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.2 UJ
BIS(2-ETHYLHEXYL)PHTHALATE	59	NA	--	5 U	3.7 J	5 U	3.6 J	10 U	3.6 J
PHENANTHRENE	0.3	NA	--	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.2 UJ
Inorganics (Total) (µg/L)									
ARSENIC	4	150 [2]	1.92	4 U	4 UJ	4 U	4 UJ	4 U	4 UJ
BERYLLIUM	4	NA	NA	4 U	2 UJ	4 U	2 UJ	4 U	2 UJ
CADMIUM	6	0.62[3][4]	NA	5 U	2 UJ	5 U	2 UJ	5 U	2 UJ
CHROMIUM	110	11[2]	49.9	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ
COPPER	48	4.8[3][4]	107	10 U	2.5 J	10 U	10 UJ	10 U	10 UJ
LEAD	13	1.2[3][4]	6.63	10 U	5 UJ	10 U	5 UJ	10 U	5 UJ
ZINC	123	58.2[3]	131	50 U	50 U	50 U	50 U	50 U	50 U
Inorganics (Dissolved) (µg/L)									
ARSENIC	4	150 [2]	2.55	4 U	4 UJ	4 U	4 UJ	4 U	4 UJ
BERYLLIUM	4	NA	NA	4 U	2 UJ	4 U	2 UJ	4 U	2 UJ
CADMIUM	6	0.62[3][4]	NA	5 U	2 UJ	5 U	2 UJ	5 U	2 UJ
CHROMIUM	110	11[2]	16	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ
COPPER	48	4.8[3][4]	39.4	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ
LEAD	13	1.2[3][4]	2.52	10 U	5 UJ	10 U	5 UJ	10 U	5 UJ
ZINC	123	58.2[3]	109	50 U	50 U	50 U	50 U	50 U	50 U

NOTES:
Bold numbers denote exceedance of monitoring criterion or background 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 Investigatio

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

TABLE 3-3
ROUND 13 SURFACE WATER ANALYTICAL RESULTS SUMMARY
YEAR 4 ANNUAL GROUNDWATER MONITORING REPORT - APRIL 2004
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Chemical	Primary Monitoring Criterion [1]	Secondary Monitoring Criterion	NSB-NLON Background Concentration[4]	3MSP01 Round 13 8/15/2003	SG-18 Round 13 8/15/2003	SG-19 Round 13 8/18/2003	SG-19 (DUP) Round 13 8/18/2003	SG-20 Round 13 8/15/2003	SG-21 Round 13 8/15/2003	SG-22 Round 13 8/15/2003	SG-23 Round 13 8/15/2003	SG-24 Round 13 8/15/2003
SVOCs (µg/L)												
BENZO(A)ANTHRACENE	0.3	NA	--	0.098 J	0.16 J	0.2 U	0.2 U	0.2 UJ	0.071 J	0.2 UJ	0.2 UJ	0.12 J
BENZO(A)PYRENE	0.3	NA	--	0.2 UJ	0.15 J	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.22 J
BENZO(B)FLUORANTHENE	0.3	NA	--	0.2 UJ	0.23 J	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	**0.4 J**
BENZO(K)FLUORANTHENE	0.3	NA	--	0.2 UJ	0.21 J	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	**0.42 J**
BIS(2-ETHYLHEXYL)PHTHALATE	59	NA	--	10 U	10 U	3.8 J	4.4 J	10 U	10 U	10 U	10 U	10 U
PHENANTHRENE	0.3	NA	--	0.2 UJ	0.12 J	**0.62**	**0.57**	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.18 J
Inorganics (Total) (µg/L)												
ARSENIC	4	150[2]	1.92	4 UJ	4 UJ	4 U	4 U	4 UJ	4 UJ	**9 J**	**4 J**	**190 J**
BERYLLIUM	4	NA	NA	2 UJ	2 UJ	2 U	2 U	2 UJ	2 UJ	2 UJ	2 UJ	2 U
CADMIUM	6	0.62[3][4]	NA	2 UJ	2 UJ	2 U	2 U	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
CHROMIUM	110	11[2]	49.9	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	**70 J**
COPPER	48	4.8[3][4]	107	3.3 J	**6 J**	10 U	1.8 J	4.6 J	1.9 J	**5.5 J**	**7.3 J**	**290 J**
LEAD	13	1.2[3][4]	6.63	5 UJ	5 UJ	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	**198 J**
ZINC	123	58.2[3]	131	27 J	**80 J**	50 U	50 U	5.3 J	5.3 J	25 J	**180 J**	**880 J**
Inorganics (Dissolved) (µg/L)												
ARSENIC	4	150[2]	2.55	4 UJ	4 UJ	4 U	4 U	4 UJ	4 UJ	**6 J**	**4 J**	**14 J**
BERYLLIUM	4	NA	NA	2 UJ	2 UJ	2 U	2 U	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
CADMIUM	6	0.62[3][4]	NA	2 UJ	2 UJ	2 U	2 U	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
CHROMIUM	110	11[2]	16	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
COPPER	48	4.8[3][4]	39.4	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	10 U	10 UJ	10 U
LEAD	13	1.2[3][4]	2.52	5 UJ	5 UJ	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
ZINC	123	58.2[3]	109	18 J	3.2 J	50 U	2.5 J	2.7 J	6.2 J	6.2 J	38 J	17 J

NOTES:
Bold numbers 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 3-3A
ROUNDS 12 AND 13 SURFACE WATER ANALYTICAL RESULTS SUMMARY
YEAR 4 ANNUAL GROUNDWATER MONITORING REPORT - APRIL 2004
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Chemical	Primary Monitoring Criterion [1]	Secondary Monitoring Criterion	NSB-NLON Background Concentration[4]	3MSP01 Round 12 4/3/2003	3MSP01 Round 13 8/15/2003	SG-18 Round 12 4/11/2003	SG-18 Round 13 8/15/2003	SG-19 Round 12 4/8/2003	SG-19 Round 13 8/18/2003	SG-19 (DUP) Round 13 8/18/2003	SG-20 Round 12 4/11/2003	SG-20 Round 13 8/15/2003
SVOCs (µg/L)												
BENZO(A)ANTHRACENE	0.3	NA	--	0.1 U	0.098 J	0.1 U	0.16 J	0.1 U	0.2 U	0.2 U	0.1 U	0.2 UJ
BENZO(A)PYRENE	0.3	NA	--	0.1 U	0.2 UJ	0.1 U	0.15 J	0.1 U	0.2 U	0.2 U	0.1 U	0.2 UJ
BENZO(B)FLUORANTHENE	0.3	NA	--	0.1 U	0.2 UJ	0.1 U	0.23 J	0.1 U	0.2 U	0.2 U	0.1 U	0.2 UJ
BENZO(K)FLUORANTHENE	0.3	NA	--	0.1 U	0.2 UJ	0.1 U	0.21 J	0.1 U	0.2 U	0.2 U	0.1 U	0.2 UJ
BIS(2-ETHYLHEXYL)PHTHALATE	59	NA	--	5 U	10 U	6.8 U	10 U	5 U	3.8 J	4.4 J	5 UJ	10 U
PHENANTHRENE	0.3	NA	--	0.1 U	0.2 UJ	0.1 U	0.12 J	**0.48**	**0.62**	**0.57**	0.1 U	0.2 UJ
Inorganics (Total) (µg/L)												
ARSENIC	4	150[2]	1.92	4 U	4 UJ	4 U	4 UJ	4 U	4 U	4 U	4 U	4 UJ
BERYLLIUM	4	NA	NA	4 U	2 UJ	4 U	2 UJ	4 U	2 U	2 U	4 U	2 UJ
CADMIUM	6	0.62[3][4]	NA	5 U	2 UJ	5 U	2 UJ	5 U	2 U	2 U	5 U	2 UJ
CHROMIUM	110	11[2]	49.9	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 UJ
COPPER	48	4.8[3][4]	107	10 U	3.3 J	10 U	**6 J**	10 U	10 U	1.8 J	10 U	4.6 J
LEAD	13	1.2[3][4]	6.63	10 U	5 UJ	10 U	5 UJ	10 U	5 U	5 U	10 U	5 UJ
ZINC	123	58.2[3]	131	50 U	27 J	50 U	**80 J**	**120**	50 U	50 U	50 U	5.3 J
Inorganics (Dissolved) (µg/L)												
ARSENIC	4	150[2]	2.55	4 U	4 UJ	4 U	4 UJ	4 U	4 U	4 U	4 U	4 UJ
BERYLLIUM	4	NA	NA	4 U	2 UJ	4 U	2 UJ	4 U	2 U	2 U	4 U	2 UJ
CADMIUM	6	0.62[3][4]	NA	5 U	2 UJ	5 U	2 UJ	5 U	2 U	2 U	5 U	2 UJ
CHROMIUM	110	11[2]	16	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 UJ
COPPER	48	4.8[3][4]	39.4	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	10 UJ
LEAD	13	1.2[3][4]	2.52	10 U	5 UJ	10 U	5 UJ	10 U	5 U	5 U	10 U	5 UJ
ZINC	123	58.2[3]	109	50 U	18 J	50 U	3.2 J	**60**	50 U	2.5 J	50 U	2.7 J

NOTES:
Bold numbers 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 3-3A
ROUNDS 12 AND 13 SURFACE WATER ANALYTICAL RESULTS SUMMARY
YEAR 4 ANNUAL GROUNDWATER MONITORING REPORT - APRIL 2004
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Chemical	Primary Monitoring Criterion [1]	Secondary Monitoring Criterion	NSB-NLON Background Concentration[4]	SG-21 Round 12 4/11/2003	SG-21 Round 13 8/15/2003	SG-22 Round 12 4/11/2003	SG-22 Round 13 8/15/2003	SG-23 Round 12 4/11/2003	SG-23 Round 13 8/15/2003	SG-24 Round 12 4/11/2003	SG-24 (DUP) Round 12 4/11/2003	SG-24 Round 13 8/15/2003
SVOCs (µg/L)												
BENZO(A)ANTHRACENE	0.3	NA	--	0.1 U	0.071 J	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.1 U	0.12 J
BENZO(A)PYRENE	0.3	NA	--	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.1 U	0.22 J
BENZO(B)FLUORANTHENE	0.3	NA	--	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.1 U	**0.4 J**
BENZO(K)FLUORANTHENE	0.3	NA	--	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.1 U	**0.42 J**
BIS(2-ETHYLHEXYL)PHTHALATE	59	NA	--	7.2 U	10 U	6.7 U	10 U	5.9 U	10 U	6.2 U	6.3 U	10 U
PHENANTHRENE	0.3	NA	--	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.2 UJ	0.1 U	0.1 U	0.18 J
Inorganics (Total) (µg/L)												
ARSENIC	4	150[2]	1.92	4 U	4 UJ	4 U	**9 J**	4 U	**4 J**	**4 J**	4 UJ	**190 J**
BERYLLIUM	4	NA	NA	4 U	2 UJ	4 U	2 UJ	4 U	2 UJ	4 U	4 U	2 U
CADMIUM	6	0.62[3][4]	NA	5 U	2 UJ	5 U	2 UJ	5 U	2 UJ	5 U	5 U	2 UJ
CHROMIUM	110	11[2]	49.9	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	**70 J**
COPPER	48	4.8[3][4]	107	10 U	1.9 J	10 U	**5.5 J**	10 U	**7.3 J**	10 U	10 U	**290 J**
LEAD	13	1.2[3][4]	6.63	10 U	5 UJ	10 U	5 UJ	10 U	5 UJ	10 U	10 U	**198 J**
ZINC	123	58.2[3]	131	50 U	5.3 J	**80**	25 J	**490**	**180 J**	50 UJ	**100 J**	**880 J**
Inorganics (Dissolved) (µg/L)												
ARSENIC	4	150[2]	2.55	4 U	4 UJ	4 U	**6 J**	4 U	**4 J**	4 U	4 U	**14 J**
BERYLLIUM	4	NA	NA	4 U	2 UJ	4 U	2 UJ	4 U	2 UJ	4 U	4 U	2 UJ
CADMIUM	6	0.62[3][4]	NA	5 U	2 UJ	5 U	2 UJ	5 U	2 UJ	5 U	5 U	2 UJ
CHROMIUM	110	11[2]	16	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ
COPPER	48	4.8[3][4]	39.4	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U
LEAD	13	1.2[3][4]	2.52	10 U	5 UJ	10 U	5 UJ	10 U	5 UJ	10 U	10 U	5 UJ
ZINC	123	58.2[3]	109	50 U	6.2 J	**60**	6.2 J	**250**	38 J	50 U	50 U	17 J

NOTES:
Bold numbers denote exceedances of primary or secondary monitoring criterion and/or background groundw
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. (CTD
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 R

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

4.0 STATISTICAL ANALYSIS

A statistical analysis was performed on the results presented in Section 3.0 in an effort to determine whether COPCs are having an impact on groundwater at the Site. In the analysis, 12 downgradient wells (2WMW38DS, 2WMW39DS, 2WMW40DS, 2WMW41DS, 2WMW42DS, 2WMW43DS, 2WMW44DS, 2WMW45DS, 2WMW46DS, 2WMW47DS, 3MW12D and 2MW37S) and two upgradient wells (2LMW20S and 4MW1S) were compared using various statistical methods. Analysis was performed in accordance with the Year 3 Annual Report (TtNUS, 2003) and is summarized in the following sections and detailed in Appendix F.

4.1 STATISTICAL ANALYSIS METHODOLOGY

Statistical analysis of the data was performed in order to:

- Summarize contaminant concentrations for each COPC with detection frequency, range and average values; and
- Compare COPC detections in downgradient wells to detections in upgradient wells.

4.1.1 Summary Statistics

For each COPC the frequency of detection was tabulated for both upgradient and downgradient wells. Analytes which were identified but the associated numerical value was an approximate concentration, denoted with “J” during validation, were include as a positive detection. The range of data and average values were tabulated for all detected analytes. Averaging for detected analytes was performed using two different methods. The first method averaged detected and estimated “J” values only and did not account for non-detects. The second method replaced non-detects with a value equal to half of the laboratory reporting limit prior to averaging all results.

4.1.2 Comparison of Downgradient Wells to Upgradient Wells

The comparison of downgradient and upgradient data sets for the Area A Landfill site is summarized in Table 4-1. The statistical method employed for each COPC, determined by the number of detections, distribution and variance for each of the data sets, is summarized below.

Number of detections was determined for both the downgradient and upgradient data sets for each analyte. If there were no detections in either data set, no statistical analysis was performed and downgradient and upgradient concentrations were considered statistically similar. In cases where there were detections in the downgradient wells but none in the upgradient wells, no statistical analysis was performed and downgradient results were considered statistically higher than upgradient concentrations for that analyte. In cases where there were detections in the

upgradient wells but none in the downgradient wells, no statistical analysis was performed and downgradient results were not considered statistically higher than upgradient concentrations for that analyte. When non-detects exceeded 50% of either data set a Two-Sample Test of Proportions was used in accordance with USEPA guidance (USEPA, 1992).

The Analysis of Variance (ANOVA) technique is the preferred method to compare data from upgradient and downgradient monitoring well locations. The ANOVA technique is used to test whether there is statistically significant evidence of contamination. There are parametric and non-parametric ANOVA techniques. The parametric ANOVA method assumes that the upgradient and downgradient data sets are both normally (or lognormally) distributed and that group variances of the upgradient and downgradient data sets are homogeneous. These two assumptions can be checked by performing the Shapiro-Wilk Test of Normality and Levene's Test of Homogeneity of Variance, respectively. If the results of the two tests indicated that either of these assumptions were violated a non-parametric ANOVA technique was conducted. This technique compares ranks of the observations rather than the observations themselves.

Figure 4-1 illustrates the decision process employed for selecting the appropriate statistical method to compare downgradient and upgradient data for each COPC at the Area A Landfill site. Once the appropriate method was determined, it was performed in accordance with USEPA guidance and the Year 3 Annual Monitoring Report (TtNUS 2003). Details of computation are included in Appendix F for all of the tests employed:

- Two-Sample Test of Proportions
- Shapiro-Wilk Test of Normality
- Levene's Test of Homogeneity of Variance
- Parametric ANOVA
- Modified Wilcoxon Rank Sum Test

4.2 STATISTICAL ANALYSIS RESULTS

Results of downgradient and upgradient data set comparisons are summarized in Table 4-1. A total of 13 COPCs were detected. For each of these 13 COPCs the number of detections, distribution and variance were evaluated for both upgradient and downgradient data sets. No statistical analysis was required for ten of the 13 COPCs because the upgradient well data set consisted entirely of non-detects. Two-Sample Tests of Proportions was performed on three COPCs.

Results of these statistical analyses are summarized in Table 4-1 and each test is detailed in Appendix F.

In cases where there are detections in the downgradient wells but none in the upgradient wells, no statistical analysis was performed and downgradient results are normally considered statistically higher than upgradient concentrations for that analyte. These COPC included benzo(a)anthracene, phenanthrene, arsenic (total and dissolved), chromium (total and dissolved), and lead (total and dissolved).

BEHP, copper (total and dissolved), and dissolved zinc were not indicative of downgradient results being statistically higher than the upgradient results. These COPCs detections were detected at values lower than laboratory reporting limits. BEHP had ten downgradient detections ranging from 3.5 J to 4 J µg/L compared to a laboratory reporting limit of approximately 10 µg/L. Total copper had three downgradient detections of 1.8 J to 5.7 J µg/L compared to a laboratory reporting limit of 10 µg/L. Dissolved copper had one downgradient detection of 5.6 J µg/L compared to a laboratory reporting limit of 10 µg/L. Dissolved zinc had three downgradient detections ranging from 3.6 J to 14 J µg/L compared to a laboratory reporting limit of 50 µg/L. As a result downgradient and upgradient data sets for these COPCs were considered statistically similar.

Even though BEHP and dissolved zinc were considered statistically similar due to the fact that all detections were under the reporting limit, Two-Sample Tests of Proportions were calculated since there were detections in both the upgradient and downgradient wells. Both COPCs Two-Sample Test results indicated that downgradient concentrations were not statistically higher than the upgradient.

Total zinc was detected in both the upgradient and downgradient wells at concentrations above the reporting limit. A Two-Sample Test of Proportions indicated that downgradient results were not statistically higher than upgradient concentrations for total zinc.

Seven COPCs upgradient and downgradient well data sets consisted entirely of non-detects. These COPCs included benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, total beryllium, total cadmium, dissolved beryllium, and dissolved cadmium.

As detailed above, statistical analysis of the data indicated that downgradient results were statistically higher than upgradient results for just eight COPCs (benzo(a)anthracene, phenanthrene, arsenic (total and dissolved), chromium (total and dissolved), and lead (total and dissolved)). Of these detections of benzo(a)anthracene and dissolved chromium were below primary and secondary monitoring criteria, below the background concentration, and were of the

same magnitude as laboratory reporting limits. The results for total and dissolved arsenic were below the secondary monitoring criterion but above the primary and background concentrations. The phenanthrene detection of 7.2 µg/L exceeded the primary monitoring criteria of 0.3 µg/L. The only total chromium detect that exceeded any of the monitoring/background criteria resulted in 20 µg/L (of similar magnitude to the detection limit) and exceeded only the secondary monitoring criterion of 11 µg/L. The only total lead detection, 14 µg/L, exceeded both the primary and secondary monitoroing criteria as well as the background concentration. The two detections for dissolved lead resulted in 15 and 7 µg/L. The 15 µg/L exceed all criteria (including the primary monitoring criteria of 13 µg/L), while the 7 µg/L detction exceeded the secondary (1.2 µg/L) criteria and background concentration (2.52 µg/L).

FIGURE 4-1
DECISION CHART FOR APPROPRIATE STATISTICAL METHOD
TO COMPARE ANALYTE UPGRADIENT AND DOWNGRADIENT RESULTS

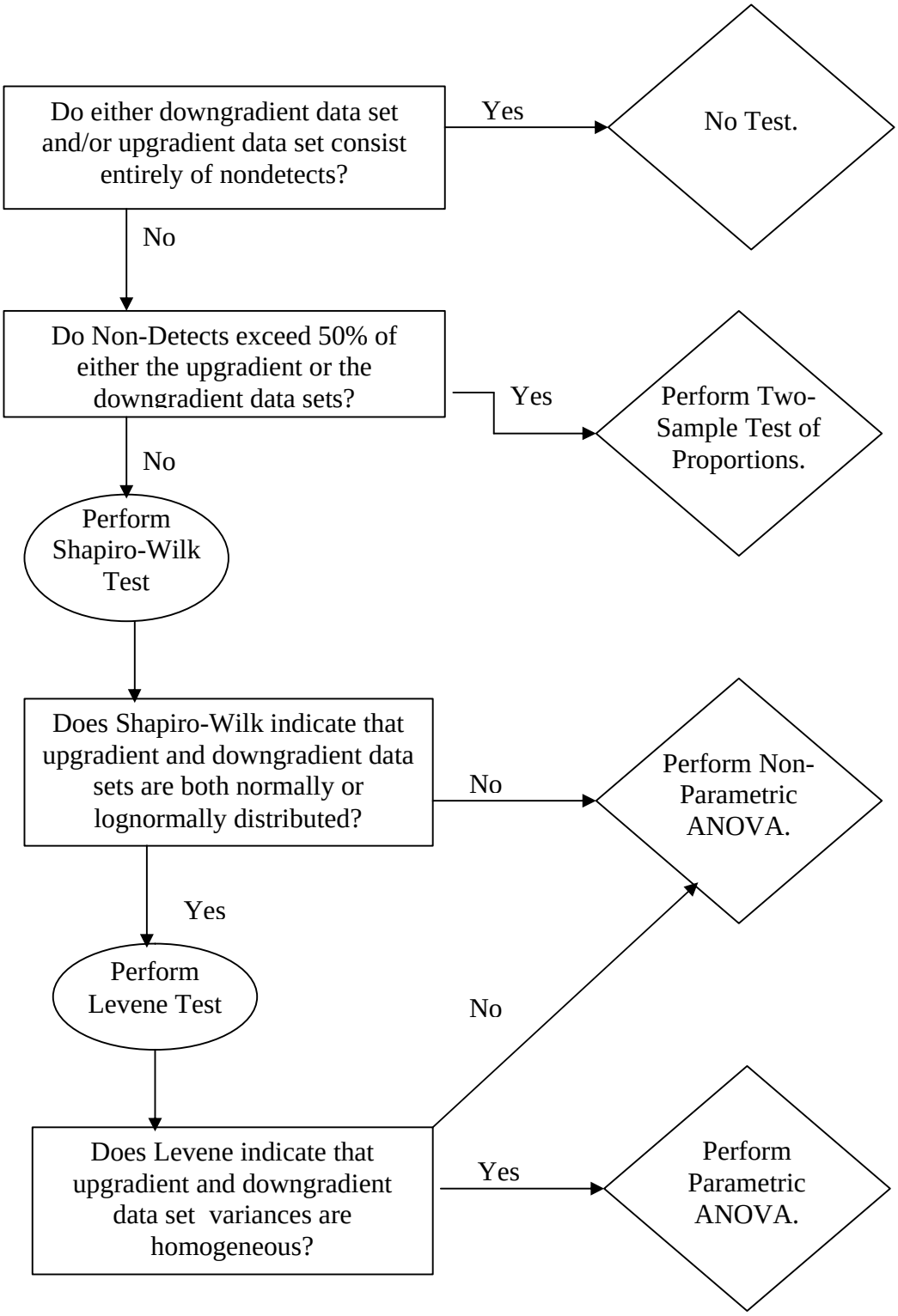


TABLE 4-1
YEAR 4 STATISTICAL ANALYSIS SUMMARY
YEAR 4 ANNUAL GROUNDWATER MONITORING REPORT - APRIL 2004
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

	DOWNGRADIENT WELLS				UPGRADIENT WELLS					
Chemical	**Frequency of Detection**	**Range of Detections**	**Average of Detections**	**Average of All Results [1]**	**Frequency of Detection**	**Range of Detections**	**Average of Detections**	**Average of All Results [1]**	**Statistical Analysis Method**	**Result of Analysis downgradient higher than upgradient?**
SVOCs (µg/L)										
BENZO(A)ANTHRACENE	1/24	0.11	0.11	0.078	0/4	--	--	--	None	**YES[5]**
BENZO(A)PYRENE	0/24	--	--	--	0/4	--	--	--	None	**NO[4]**
BENZO(B)FLUORANTHENE	0/24	--	--	--	0/4	--	--	--	None	**NO[4]**
BENZO(K)FLUORANTHENE	0/24	--	--	--	0/4	--	--	--	None	**NO[4]**
BIS(2-ETHYLHEXYL)PHTHALATE	10/24	3.5 - 4	3.73	3.8	2/4	3.6	3.6	4.55	Two-Sample Test	**NO[6]**
PHENANTHRENE	1/24	7.2	7.2	0.223	0/4	--	--	--	None	**YES[5]**
Inorganics (Total) (µg/L)										
ARSENIC	10/24	4 - 32	12.0	7.81	0/4	--	--	--	None	**YES[5]**
BERYLLIUM	0/24	--	--	--	0/4	--	--	--	None	**NO[4]**
CADMIUM	0/24	--	--	--	0/4	--	--	--	None	**NO[4]**
CHROMIUM	8/24	2.9 - 20	7.37	7.46	0/4	--	--	--	None	**YES[5]**
COPPER	3/24	1.8 - 5.7	3.33	8.96	0/4	--	--	--	None	**NO[6]**
LEAD	1/24	14	14	6.21	0/4	--	--	--	None	**YES[5]**
ZINC	4/24	6.4 - 60	29.1	42.4	1/4	50	50	31.3	Two-Sample Test	**NO**
Inorganics (Dissolved) (µg/L)										
ARSENIC	15/24	3.88 - 19	8.96	7.69	0/4	--	--	--	None	**YES[5]**
BERYLLIUM	0/24	--	--	--	0/4	--	--	--	None	**NO[4]**
CADMIUM	0/24	--	--	--	0/4	--	--	--	None	**NO[4]**
CHROMIUM	7/24	3.5 - 10	6.60	7.13	0/4	--	--	--	None	**YES[5]**
COPPER	1/24	5.6	5.6	9.19	0/4	--	--	--	None	**NO[6]**
LEAD	2/24	7 - 15	11	6.44	0/4	--	--	--	None	**YES[5]**
ZINC	3/24	3.6 - 14	8.27	39.6	1/4	12	12	21.8	Two-Sample Test	**NO[6]**

NOTES:
1 For non-detect occurances, half of the reporting limit was used in calculating the average.
2 Yellow highlighting denotes detection in upgradient and downgradient wells. These wells were evaluated with statistical analysis.
3 Modified Wilcoxon Rank Sum Test used for Non-Parametric ANOVA because sample data set < 12
4 When there were no detections in downgradient wells, downgradient results were autmatically declared not statistically higher..
5 When detection in downgradient wells only, downgradient results are declared statistically higher without analysis.
6 Detections in downgradient wells were less than or equal to the reporting limit for upgradient wells, not declared statistically higher.

H:\NAVY\New London_NSB\Area A Annual\Tables\[Table 2-1, 2-2 & 2-3.xls]Table 2-3

5.0 CONCLUSIONS AND RECOMMENDATIONS

This Year 4 Annual GMR summarizes Rounds 12 and 13 of groundwater and surface water analytical data collected from selected surface water locations and monitoring wells installed at the Area A landfill. The results of the monitoring program are being used to evaluate the success of the RA (i.e., installation of a multi-layer, low-permeability cover system and a surface water/shallow groundwater interception and diversion system upgradient of the cover system) at minimizing contaminant migration from Area A Landfill. The evaluation included the following:

- Gauging of 15 monitoring wells. Sampling and analyses of groundwater from the 15 monitoring wells using low-flow purging and sampling techniques. Thirteen of the twenty COPC's were detected during analysis.

- Gauging of 11 staff gauges. Sampling and analyses of surface water from seven of surface water locations and one seep water location using the prescribed sampling techniques. Thirteen of the twenty COPC's were detected during analysis of the surface water samples.

- Completion of a general screen of analytical data to current primary and secondary monitoring criteria and background concentrations to identify exceedances in upgradient wells, downgradient wells, and surface locations. There were groundwater exceedences of the primary monitoring criterion for phenanthrene, arsenic (total and dissolved), and lead (total and dissolved). There were groundwater exceedences of the secondary monitoring criterion for copper (total and dissolved), lead (total and dissolved), and total zinc. There were background concentration exceedences for arsenic (total and dissolved) and lead (total and dissolved). There were surface water exceedences of the primary monitoring criterion for benzo(b)fluoranthene, benzo(k)fluoranthene, phenanthrene, arsenic (total and dissolved), total copper, total lead, and zinc (total and dissolved). There were surface water exceedences of the secondary monitoring criterion for total arsenic, total chromium, total copper, total lead, and zinc (total and dissolved). There were surface water excceedences for the background concentration for total arsenic, total chromium, total copper, total lead, and zinc (total and dissolved).

- The results of the seep and surface water for Year 4 were similar in magnitude as compared with the previous year of sampling. For the most part, the surface water collected during the fourth year resulted in overall concentrations less than Year 3. The Year 4 seep water sample had no detections above the reporting limit. The only staff gauge that contained concentrations greater than the previous year was Round 13 sample at SG-24.

- Performance of a statistical comparison from the complete analytical data set of downgradient and upgradient monitoring wells was performed to determine significant differences. Analysis of data indicated that eight of the 13 detected COPCs (benzo(a)anthracene, phenanthrene, arsenic (total and dissolved), chromium (total and dissolved), and lead (total and dissolved)) had downgradient results statistically higher than upgradient concentrations. Detected concentrations of benzo(a)anthracene and dissolved chromium were below primary, secondary, and background levels and were only slightly above lab reporting levels. Phenanthrene and total lead each only had one detection. Dissolved lead had two detections. The concentrations of arsenic, total and dissolved, were below the secondary monitoring criteria but above the primary and background limits. Total chromium exceeded the secondary monitoring criterion only. Further evaluation of the results for these COPCs (i.e., criteria comparisons and trend analysis) did not indicate that these COPCs pose any significant migration issues.

- Overall, the results of the first four years of monitoring for the Area A Landfill indicate that the RA action at the site is sufficiently reducing infiltration of precipitation through the landfill source material so that significant contaminant migration from the site to the surrounding area is not occurring.

The analytical results for the fourth year of groundwater monitoring at the Area A Landfill showed five exceedances of the primary monitoring criteria, five contaminants in excess of the secondary monitoring criteria, and four contaminants in excess of the background concentration. Eight COPCs were detected in downgradient wells at concentrations that were statistically higher than concentrations in upgradient wells. The analytical results for the fourth year of surface water monitoring at the Area A Landfill showed nine exceedances of the primary monitoring criteria, six contaminants in excess of the secondary monitoring criteria, and seven contaminants in excess of the background concentration.

However, the levels and history of these COPCs do not indicate that significant concentrations of COPCs are migrating from the Area A Landfill site. These results are generally similar to the results of the first three years of groundwater monitoring although detection, frequency and values were of a smaller magnitude. These results are indicative that the interim remedial action at the site removed sufficient contaminant source material and reduced infiltration of precipitation through any remaining source material so that significant contaminant migration from the site to the Thames River, via wetland and stream, is not occurring. Therefore, as was recommended in the Year 3 report, the RA and current ROD for the Area A Landfill are sufficient and no amendments are necessary.

- The sampling frequency should continue on a semi-annual basis with the next sample round scheduled for June 2004. This recommendation is justified because there have been no significant increasing contaminant trends have been noted in the downgradient wells in over four years. The recommendation to maintain the sampling frequency on a semi-annual basis was also made in the Year 3 GMR and was agreed to by the USEPA. The sampling frequency should be re-evaluated after Year 5.

- Monitoring should continue at the site to provide supporting information for the next Five-Year Review.

- The future monitoring program should include the same fifteen monitoring wells that were sampled in Rounds 12 and 13. Those wells include downgradient wells 2LMW20S and 4MW1S as upgradient monitoring wells and 2WMW38DS, 2WMW39DS, 2WMW40DS, 2WMW41DS, 2WMW42DS, 2WMW43DS, 2WMW44DS, 2WMW45DS, 2WMW46DS, 2WMW47DS, 3MW12D and 2MW37S as downgradient monitoring wells.

- Routine maintenance should be conducted on the remaining monitoring wells included in the monitoring program to facilitate monitoring activities into the future.

6.0 REFERENCES

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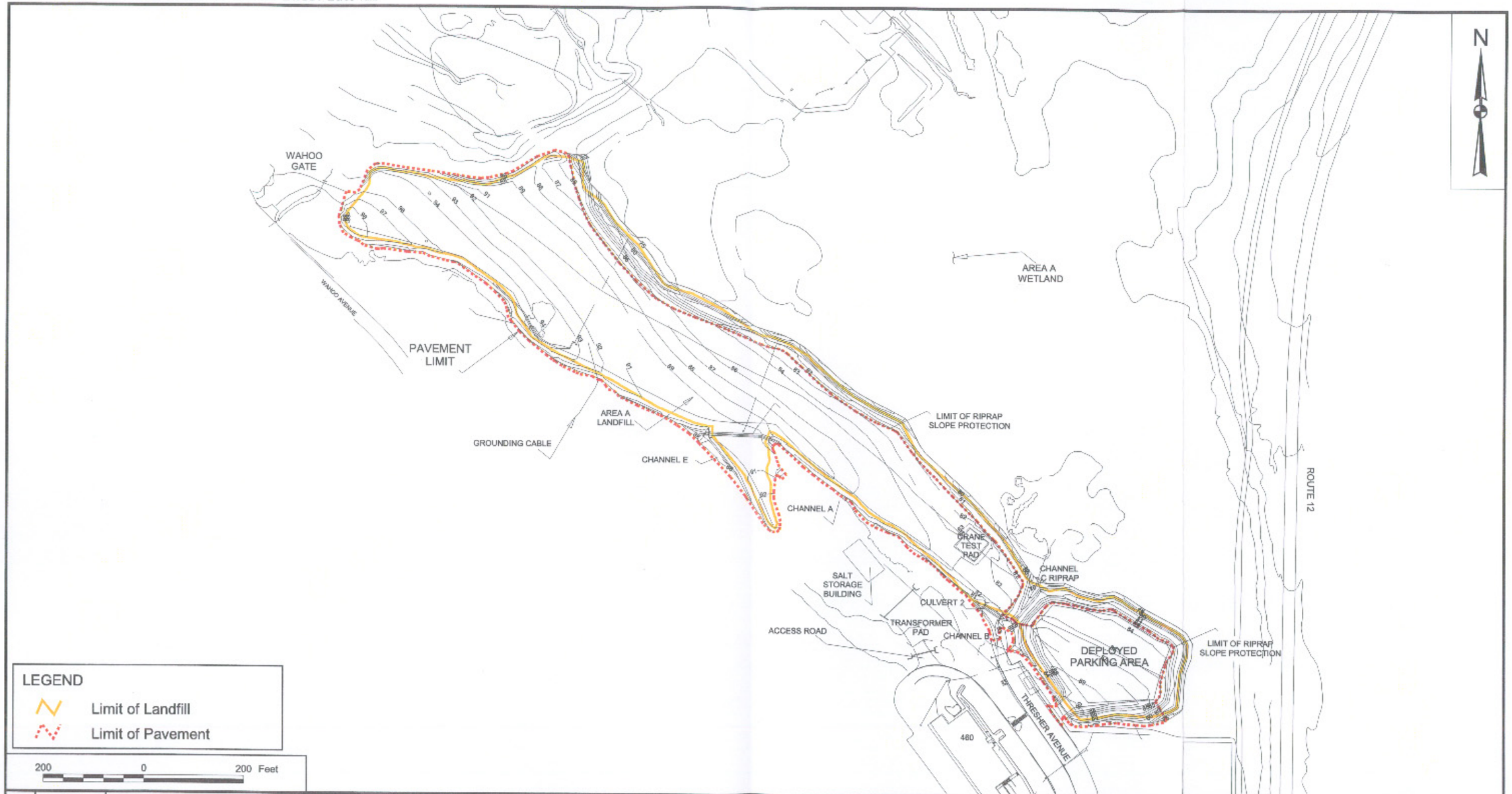
APPENDIX A

Site Figures: Copies from Year 3 Annual Report

P:\GIS\NLON\50820370.APR\AREA A LANDFILL - SITE MAP LAYOUT 2/3/03 KMP



NO.	DATE	REVISIONS	BY	CHKD	APPD	REFERENCES

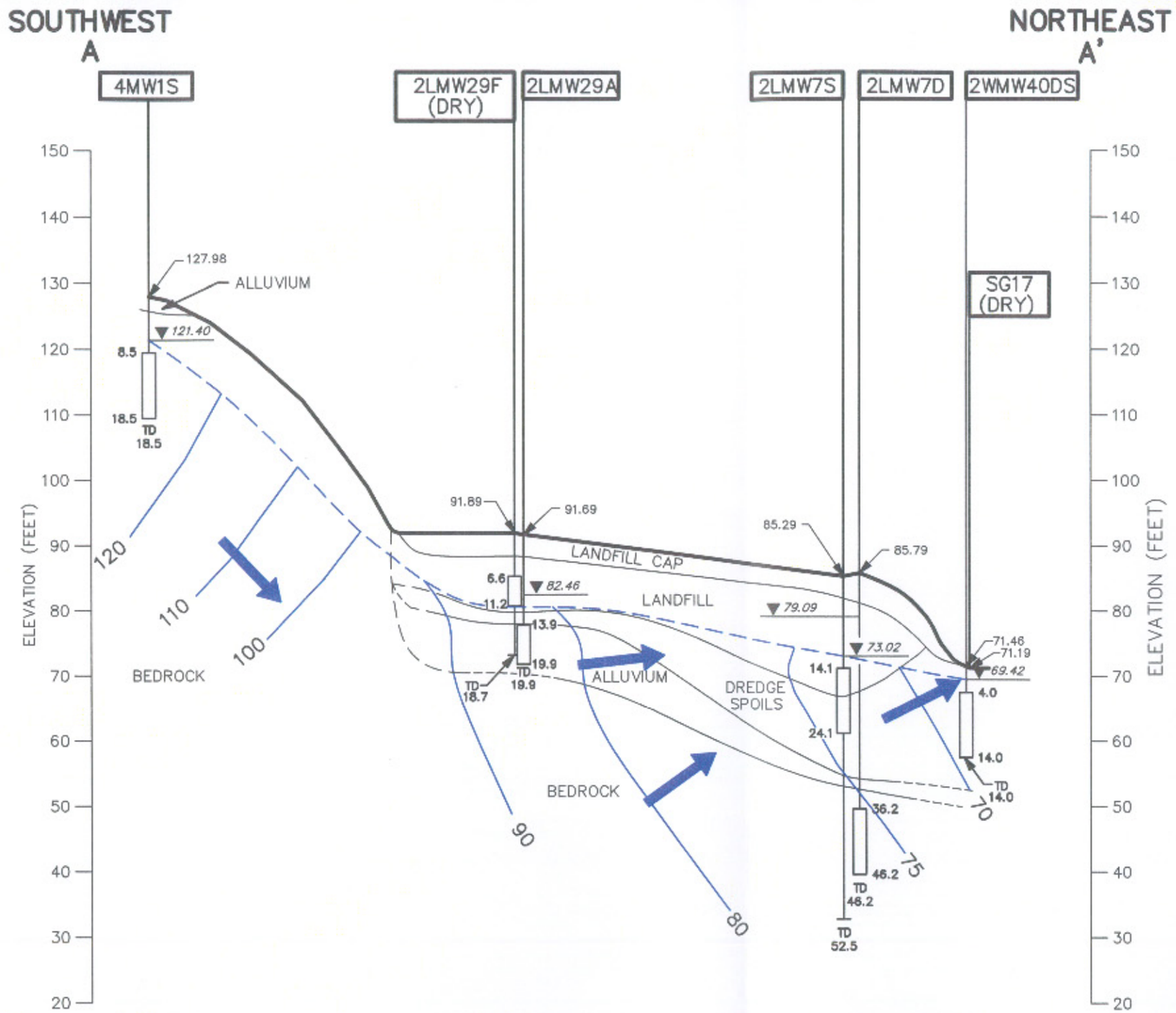
DRAWN BY J. BELLONE DATE 1/12/00
CHECKED BY MAR DATE 2-12-03
COST/SCHEDULE-AREA
SCALE AS NOTED

Tetra Tech NUS, Inc.

SITE MAP
AREA A LANDFILL
NSB-NEW LONDON, GROTON, CONNECTICUT

CONTRACT NUMBER 2863
OWNER NUMBER CTO 816
APPROVED BY CAR DATE 2/11/03
APPROVED BY DATE
DRAWING NO. FIGURE 2-3
REV 0

ACAD: 2863GX27.dwg 01/28/03 HJB PIT



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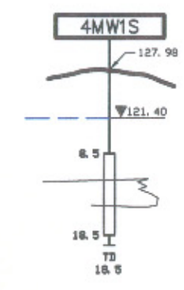


- MONITORING WELL OR BORING NUMBER
- GROUND SURFACE ELEVATION GROUND SURFACE
- POTENTIOMETRIC SURFACE ELEV.
- TOP OF MONITORED INTERVAL (FT BGS)
- LITHOLOGIC CONTACT (DASHED WHERE INFERRED)
- BOTTOM OF MONITORED INTERVAL (FT BGS)
- TOTAL DEPTH OF WELL OR BORING (FT BGS)
- GROUNDWATER FLOW DIRECTION
- EQUIPOTENTIAL LINES
- 120 GROUNDWATER ELEVATION

NOTES:

1. HYDRAULIC CONDUCTIVITIES REFERENCE GW/LEACHATE MODELING STUDY–MARCH 1996, PHASE II RI–MARCH 1997 AND PHASE I RI–AUGUST 1992
   LANDFILL = 4.8 FT/DAY
   ALLUVIUM = 2.0 FT/DAY
   BEDROCK = 0.07 FT/DAY
   DREDGE SPOIL = 0.02 FT/DAY
2. WATER LEVEL MEASUREMENTS TAKEN ON 9/20/02.
3. VERTICAL DATUM =1982 BASE DATUM.

0 80 160
HORIZONTAL SCALE IN FEET

0 20 40
VERTICAL SCALE IN FEET

NO.	DATE	REVISIONS	BY	CHKD	APPD	REFERENCES

DRAWN BY HJB DATE 1/15/03
CHECKED BY DATE 2-12-03
COST/SCHED–AREA
SCALE AS NOTED

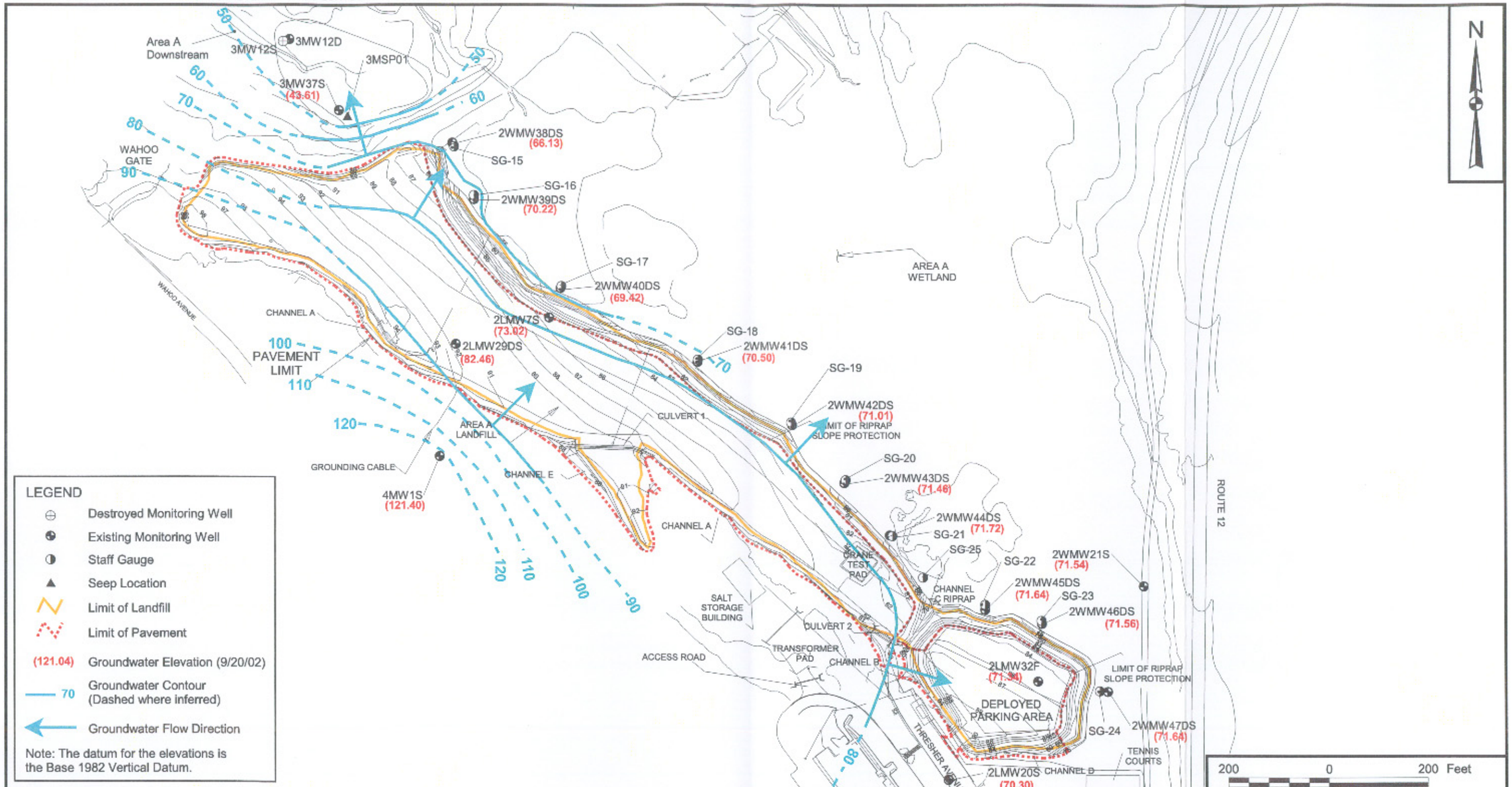
Tetra Tech NUS, Inc.

FLOW NET A–A'
SITE 2
NSB–NLON
GROTON, CONNECTICUT

CONTRACT NO. 2863
OWNER NO. ———
APPROVED BY CAR
DATE 2/11/03
APPROVED BY
DATE
DRAWING NO. FIGURE 4–7
REV. 0

FORM CADD NO. TtNUS_94.DGN – REV 0 – 1/28/98

P:\GIS\NLON\50820370.APR AREA A LANDFILL - POTENTIOMETRIC CONTOURS - ROUND 11 2/11/03 KMP



LEGEND

- Destroyed Monitoring Well
- Existing Monitoring Well
- Staff Gauge
- Seep Location
- Limit of Landfill
- Limit of Pavement
- (121.04) Groundwater Elevation (9/20/02)
- 70 Groundwater Contour (Dashed where inferred)
- Groundwater Flow Direction

Note: The datum for the elevations is the Base 1982 Vertical Datum.

NO.	DATE	REVISIONS	BY	CHKD	APPD	REFERENCES

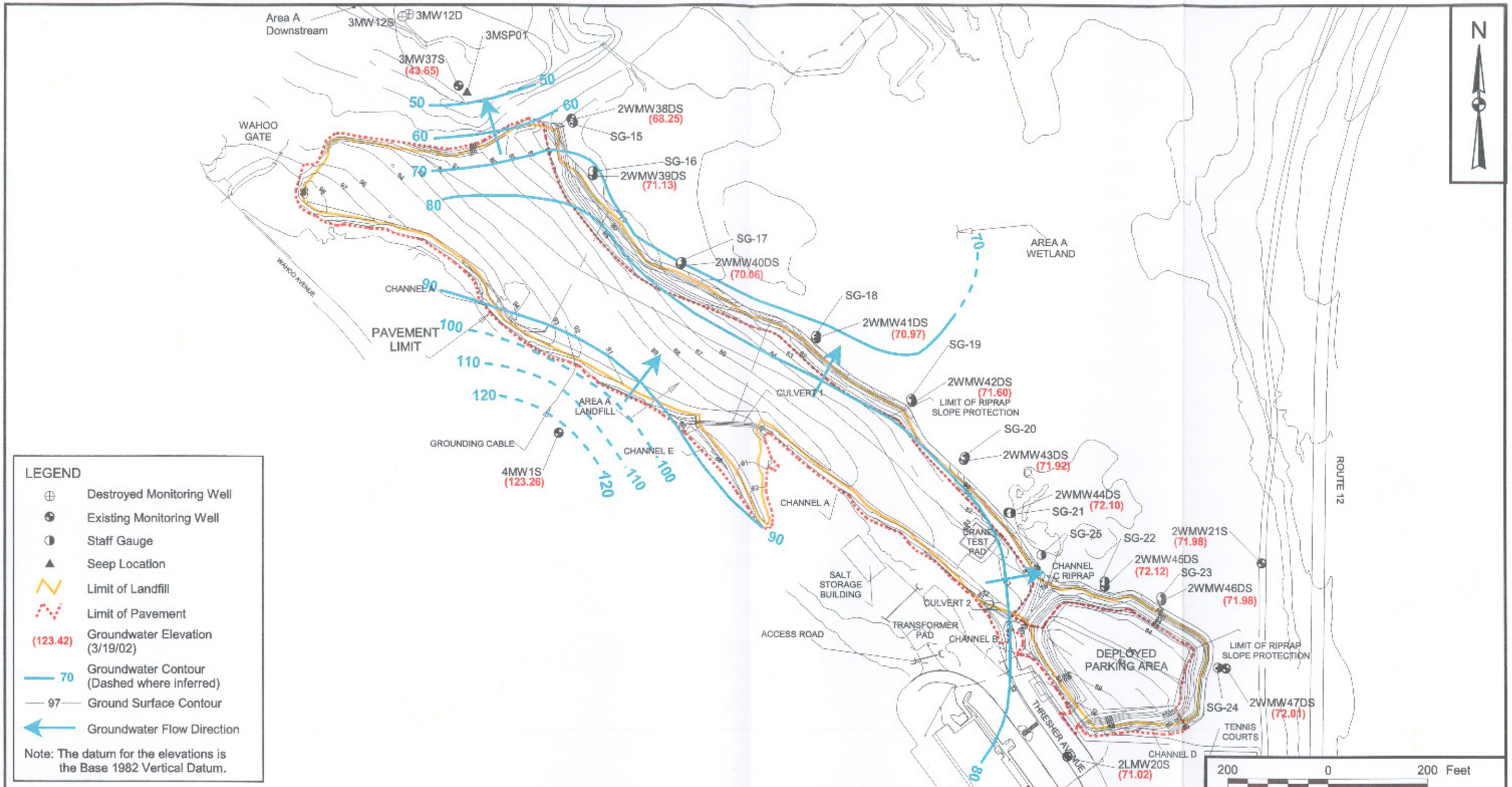
DRAWN BY K. PEILA	DATE 2/11/03
CHECKED BY MJL	DATE 2-12-03
COST/SCHEDULE-AREA	
SCALE AS NOTED	

Tetra Tech NUS, Inc.

POTENTIOMETRIC SURFACE MAP
ROUND 11 GROUNDWATER MONITORING
AREA A LANDFILL
NSB-NEW LONDON, GROTON, CONNECTICUT

CONTRACT NUMBER 2863	OWNER NUMBER CTO 816
APPROVED BY CAR	DATE 2/11/03
APPROVED BY —	DATE —
DRAWING NO. FIGURE 4 - 6	REV 0

P:\GIS\NLON\50820370.APR AREA A LANDFILL - POTENTIOMETRIC CONTOURS - ROUND 10 2/12/03 KMP



LEGEND

- Destroyed Monitoring Well
- Existing Monitoring Well
- Staff Gauge
- Seep Location
- Limit of Landfill
- Limit of Pavement
- (123.42) Groundwater Elevation (3/19/02)
- 70 Groundwater Contour (Dashed where inferred)
- 97 Ground Surface Contour
- Groundwater Flow Direction

Note: The datum for the elevations is the Base 1982 Vertical Datum.

NO.	DATE	REVISIONS	BY	CHKD	APPD	REFERENCES

DRAWN BY K. PEILA DATE 2/11/03

CHECKED BY MJC DATE 2-12-03

COST/SCHEDULE-AREA

SCALE AS NOTED

Tetra Tech NUS, Inc.

POTENTIOMETRIC SURFACE MAP
ROUND 10 GROUNDWATER MONITORING
AREA A LANDFILL
NSB-NLON, GROTON, CONNECTICUT

CONTRACT NUMBER 2863

OWNER NUMBER CTO 816

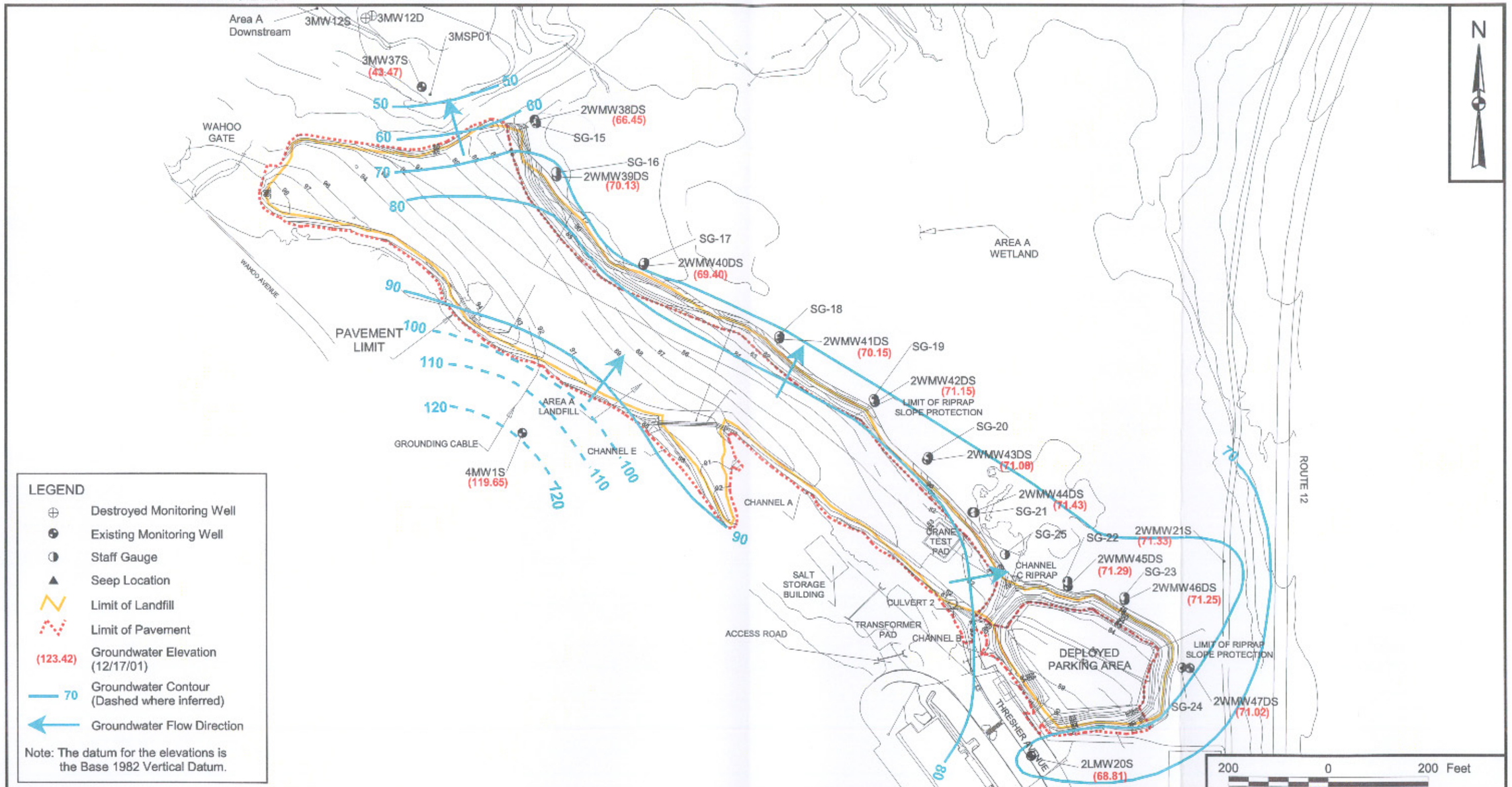
APPROVED BY CAR DATE 2/12/03

APPROVED BY — DATE —

DRAWING NO. FIGURE 4 - 5

REV 0

P:\GIS\NLON\50820370.APR AREA A LANDFILL - POTENTIOMETRIC CONTOURS - ROUND 9 LAYOUT 2/12/03 KMP



LEGEND

- Destroyed Monitoring Well
- Existing Monitoring Well
- Staff Gauge
- Seep Location
- Limit of Landfill
- Limit of Pavement
- (123.42) Groundwater Elevation (12/17/01)
- 70 Groundwater Contour (Dashed where inferred)
- Groundwater Flow Direction

Note: The datum for the elevations is the Base 1982 Vertical Datum.

NO.	DATE	REVISIONS	BY	CHKD	APPD	REFERENCES

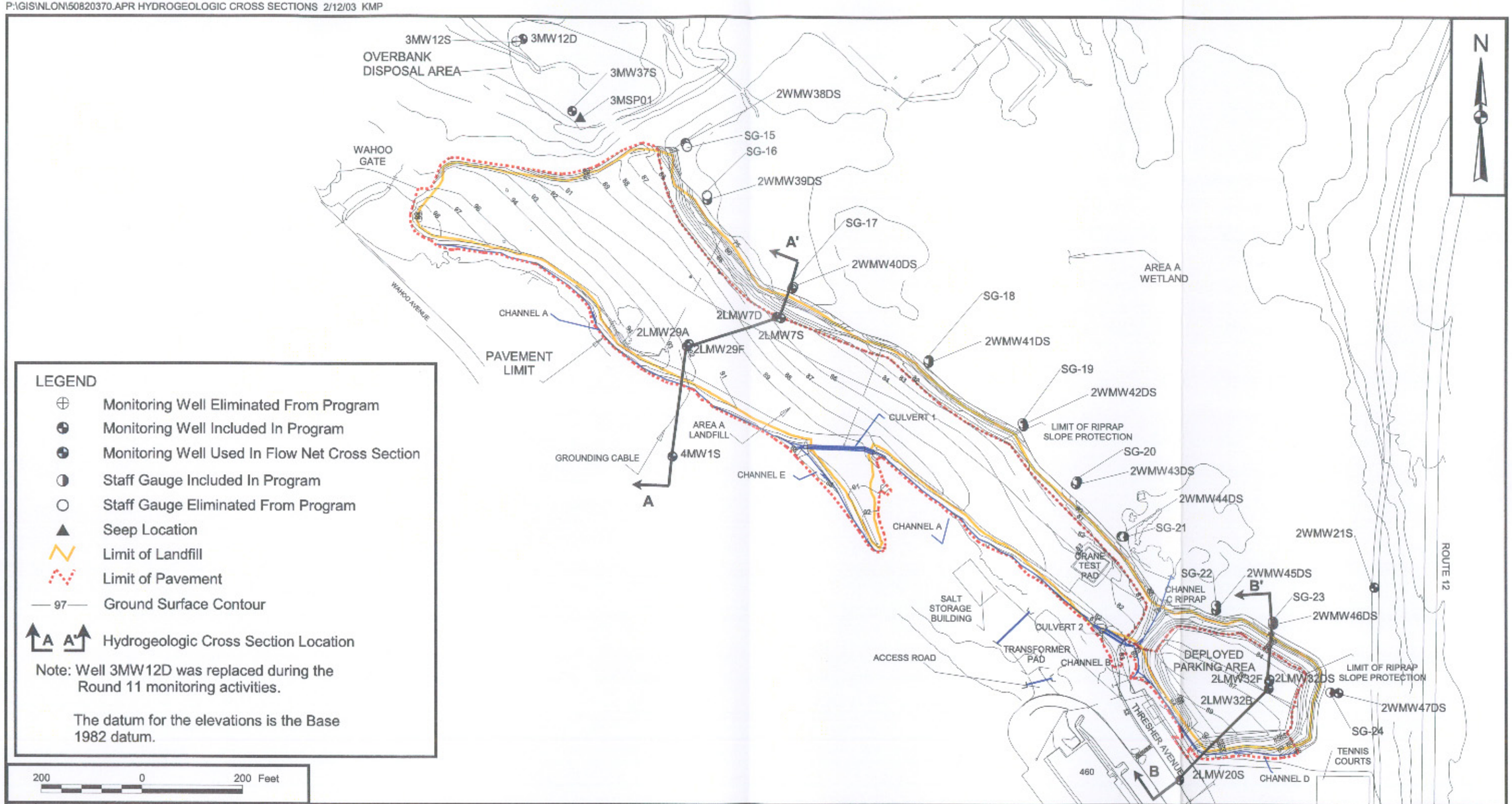
DRAWN BY K. PEILA	DATE 2/11/03
CHECKED BY MKL	DATE 2-12-03
COST/SCHEDULE-AREA	
SCALE AS NOTED	

Tetra Tech NUS, Inc.

POTENTIOMETRIC SURFACE MAP
ROUND 9 GROUNDWATER MONITORING
AREA A LANDFILL
NSB-NEW LONDON, GROTON, CONNECTICUT

CONTRACT NUMBER 2863	OWNER NUMBER CTO 816
APPROVED BY CAR	DATE 2/12/03
APPROVED BY —	DATE —
DRAWING NO. FIGURE 4 - 4	REV 0

P:\GIS\NLON\50820370.APR HYDROGEOLOGIC CROSS SECTIONS 2/12/03 KMP



NO.	DATE	REVISIONS	BY	CHKD	APPD	REFERENCES

DRAWN BY K. PEILA	DATE 2/11/03	Tetra Tech NUS, Inc.	CONTRACT NUMBER 2863 / OWNER NUMBER CTO 816
CHECKED BY MRL	DATE 2-12-03	SAMPLING LOCATIONS FOR GROUNDWATER AND SURFACE WATER MONITORING AND GEOCHEMICAL INVESTIGATION AREA A LANDFILL NSB-NLON, GROTON, CONNECTICUT	APPROVED BY CAR / DATE 2/12/03
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			DRAWING NO. FIGURE 3 - 1 / REV 0

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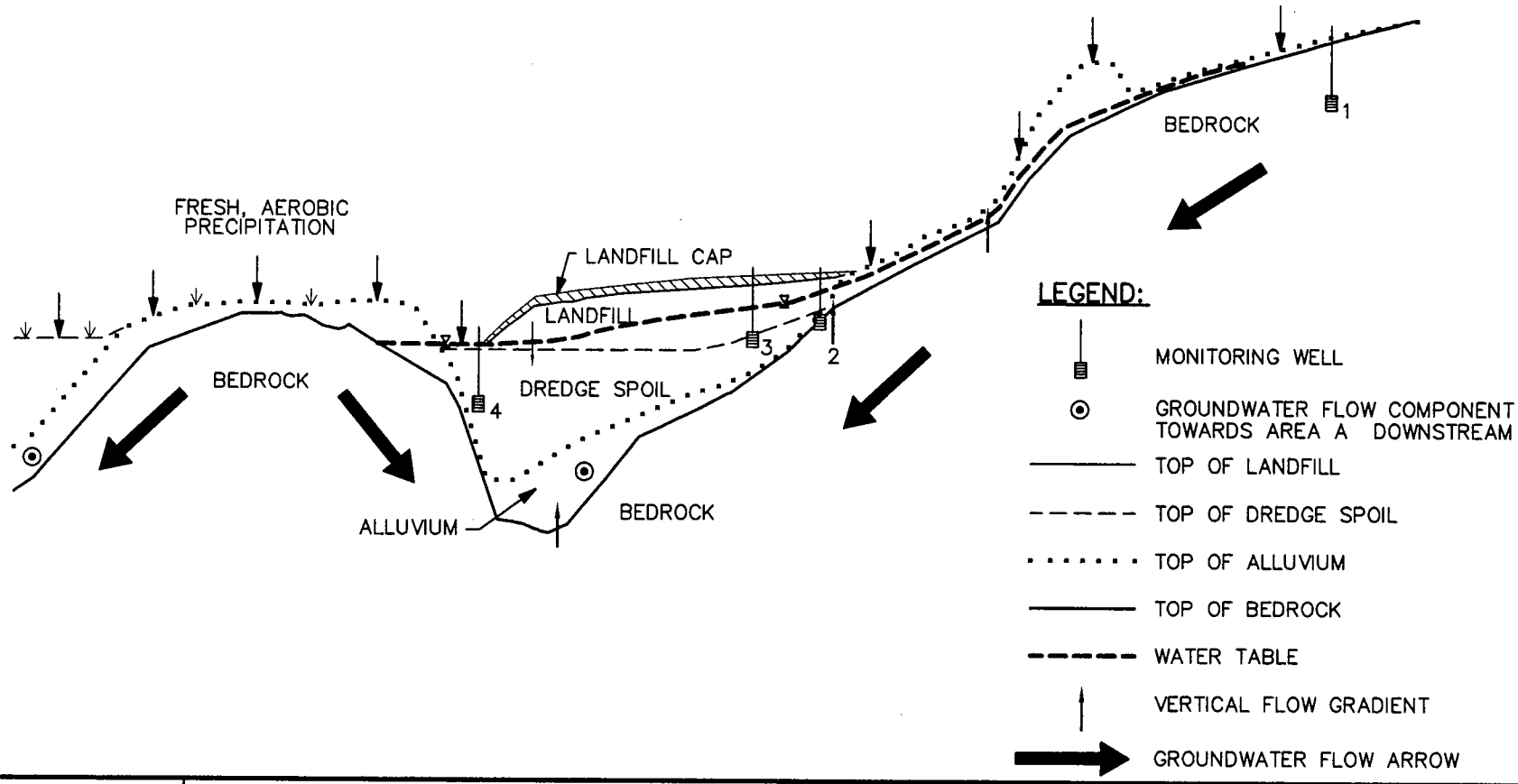
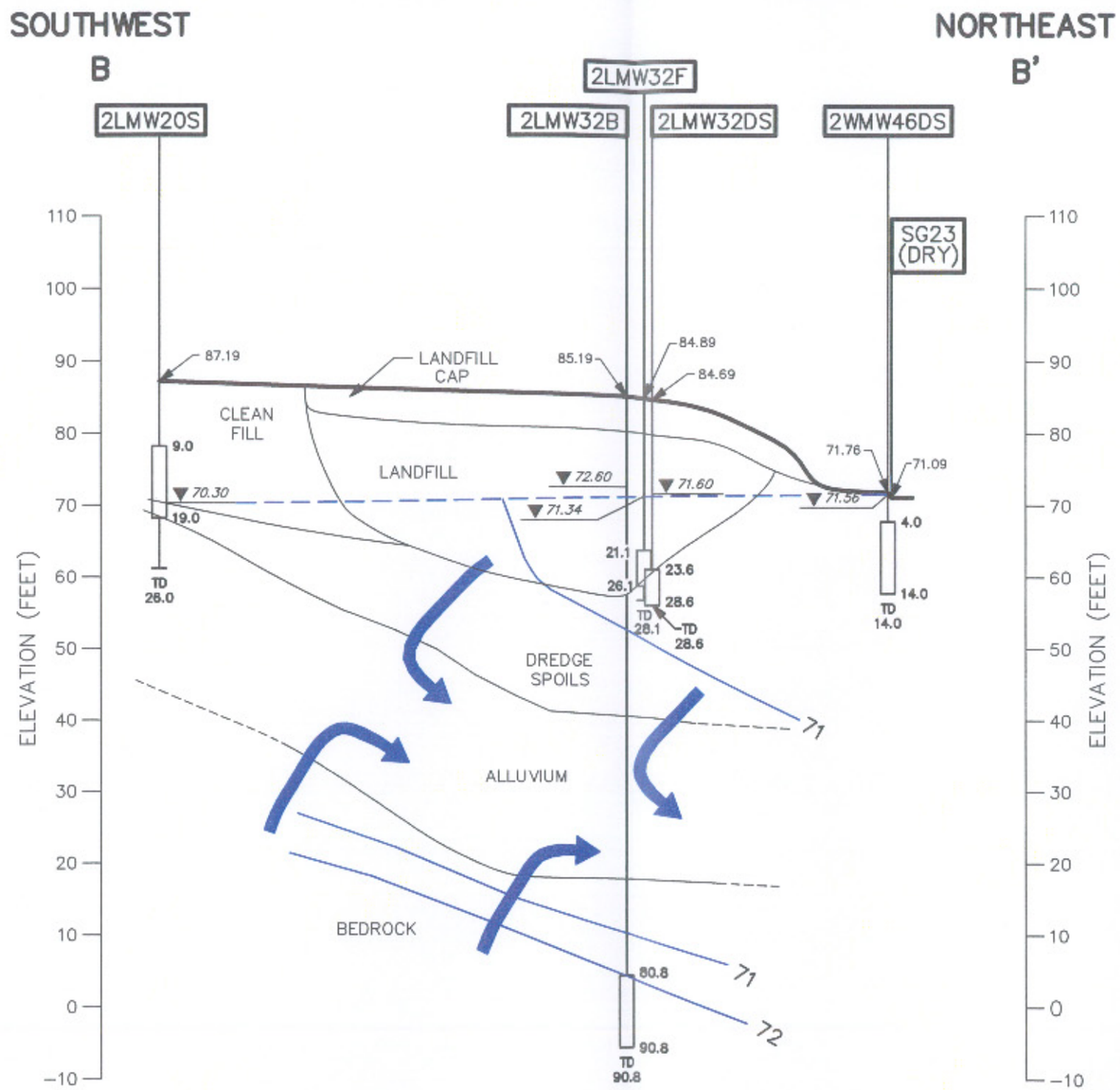


DRAWN BY DM DATE 12/17/02	Tetra Tech NUS, Inc.	CONTRACT NO. 2863	OWNER NO. 0816
CHECKED BY MRC DATE 2-12-03	AREA A LANDFILL GROUNDWATER CONCEPTUAL MODEL NSB-NLON, GROTON, CT	APPROVED BY CAR	DATE 2/11/03
COST/SCHED-AREA		APPROVED BY	DATE
SCALE NOT TO SCALE		DRAWING NO. FIGURE 2-4	REV. 0

FORM CADD NO. TtNUS_AH.DWG - REV 0 - 1/22/98

ACAD: 2863GX26.dwg 02/06/03 DM PIT



LEGEND:

MONITORING WELL OR BORING NUMBER — 2LMW20S

GROUND SURFACE ELEVATION GROUND SURFACE — 87.19

POTENTIOMETRIC SURFACE ELEV. — 70.30

TOP OF MONITORED INTERVAL (FT BGS) — 9.0

LITHOLOGIC CONTACT (DASHED WHERE INFERRED)

BOTTOM OF MONITORED INTERVAL (FT BGS) — 19.0

TOTAL DEPTH OF WELL OR BORING (FT BGS) — TD 26.0

GROUNDWATER FLOW DIRECTION

EQUIPOTENTIAL LINES

70 GROUNDWATER ELEVATION

NOTES:

1. HYDRAULIC CONDUCTIVITIES REFERENCE GW/LEACHATE MODELING STUDY–MARCH 1996, PHASE II RI–MARCH 1997 AND PHASE I RI–AUGUST 1992
   LANDFILL = 4.8 FT/DAY
   ALLUVIUM = 2.0 FT/DAY
   BEDROCK = 0.07 FT/DAY
   DREDGE SPOIL = 0.02 FT/DAY
2. WATER LEVEL MEASUREMENTS TAKEN ON 9/20/02.
3. VERTICAL DATUM =1982 BASE DATUM.

0 80 160
HORIZONTAL SCALE IN FEET

0 20 40
VERTICAL SCALE IN FEET

NO.	DATE	REVISIONS	BY	CHKD	APPD	REFERENCES

DRAWN BY HJB DATE 1/15/03
CHECKED BY MSC DATE 2-12-03
COST/SCHED–AREA
SCALE AS NOTED

Tetra Tech NUS, Inc.

FLOW NET B–B'
SITE 2
NSB–NLON
GROTON, CONNECTICUT

CONTRACT NO. 2863
OWNER NO. ———
APPROVED BY CAR DATE 2/11/03
APPROVED BY DATE
DRAWING NO. FIGURE 4–8
REV. 0

APPENDIX B

Monitoring Well Inspections Sheets

MONITORING WELL INSPECTION SHEET

WELL ID: 2LMW205 **DATE:** 8/14/0

INSPECTOR'S NAME: Fred Sauth **TIME:** 1520

INSPECTION ITEM	TYPES OF PROBLEMS	STATUS		OBSERVATION
		S	U	
Well Tag	Is it in place, legible?		✓	Painted Well ID
Well Security	Condition of protective case, cap and lock.		✓	Pad cover cracked where screw is fastened
Well Pad	Concrete or gravel & condition		✓	Concrete cracked
Well Seal	Condition of.....		✓	Rubber seal missing
Area immediately around well pad.	Record any evidence of /or standing water in area of well	✓		
Dedicated sampling equipment	Condition.....	N/A	N/A	
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: 2MW213

DATE: 8/14/03

INSPECTOR'S NAME: Fred Santos

TIME: 1530

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	✓		No gravel or concrete 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.....	N/A	N/A	
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: 2WMW47DS

DATE: 1/14/03

INSPECTOR'S NAME: Fred Santos

TIME: 1540

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.....	N/A	N/A	
PVC Riser	Condition of riser & survey reference point	✓		

Comments:

Signature: Fred Santos

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

MONITORING WELL INSPECTION SHEET

WELL ID: 2WMW3805

DATE: 8/14/03

INSPECTOR'S NAME: Fred Santos

TIME: 1055

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……	N/A	N/A	
PVC Riser	Condition of riser & survey reference point	✓		

Comments:

Signature: Fred S

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

MONITORING WELL INSPECTION SHEET

WELL ID: 2WMW41D5 **DATE:** 8/14/03

INSPECTOR'S NAME: Fred Santos **TIME:** 1115

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.....	N/A	N/A	
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: 8/14/03

INSPECTOR'S NAME: Fred Santos

TIME: 1150

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.....	N/A	N/A	
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: 2WMW39DS

DATE: 8/14/03

INSPECTOR'S NAME: Fred Santos

TIME: 1200

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.....	N/A	N/A	
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: 2WMW43DS

DATE: 8/14/03

INSPECTOR'S NAME: Fred Santy

TIME: 1340

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.....	N/A	N/A	
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: 2WMW42DS

DATE: 8/14/03

INSPECTOR'S NAME: Fred Santos

TIME: 1355

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.....	N/A	N/A	
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: 2WMW44DS

DATE: 8/14/07

INSPECTOR'S NAME: Fred Santos

TIME: 1420

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		✓	There's no concrete or gravel around the wooden box/well. Just water around the well and inside the wooden 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……	N/A	N/A	
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: 2WMW45DS

DATE: 8/14/07

INSPECTOR'S NAME: Fred Santos

TIME: 1430

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……	N/A	N/A	
PVC Riser	Condition of riser & survey reference point	✓		

Comments:

Signature: Fred Santos

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

MONITORING WELL INSPECTION SHEET

WELL ID: 2WMW46DS

DATE: 8/14/07

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……	N/A	N/A	
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: 3MW375

DATE: 8/14/03

INSPECTOR'S NAME: Fred Santos

TIME: 1040

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		✓	Section of gravel missing from a small area in the boxed location around the well
Well Seal	Condition of.....	✓		
Area immediately around well pad.	Record any evidence of /or standing water in area of well	✓		
Dedicated sampling equipment	Condition.....	N/A	N/A	No dedicated equipment
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: 3MW12D

DATE: 8/14/03

INSPECTOR'S NAME: Fred Santos

TIME: 1045

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.....	N/A	N/A	
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: 4MW13

DATE: 8/14/07

INSPECTOR'S NAME: Fred Santos

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.		✓	Outer casing has rust and dents. PVC riser is rubbing up against the outer casing. May have been hit by vehicles.
Well Pad	Concrete or gravel & condition		✓	No concrete or gravel around the well
Well Seal	Condition of…..	✓		
Area immediately around well pad.	Record any evidence of /or standing water in area of well	✓		
Dedicated sampling equipment	Condition……	N/A	N/A	
PVC Riser	Condition of riser & survey reference point	✓		

Comments:

Signature: [signature]

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

APPENDIX C

Groundwater Level Measurements

Groundwater Level Measurement Sheet

Project Site: NSB-NLON

Location: AREA A - SITE 2

Date: 8/14/03

High Tide: NA

Water Level Meter: Slope Indicator

Weather: Sunny/Humid 90°

Field Crew: Fred S and Dave C.

Low Tide: NA

Well ID	Time	Depth to Water (FT)	PID Reading (ppm)	Comments
2LMW20S	1520	13.64	0.0	
2WMW21S	1530	4.27	0.0	
2WMW38DS	1055	6.46	0.0	
2WMW39DS	1200	2.80	0.0	
2WMW40DS	1150	2.98	0.0	
2WMW41DS	1115	2.11	0.0	
2WMW42DS	1355	1.85	0.0	
2WMW43DS	1340	2.25	0.0	
2WMW44DS	1420	1.54	0.0	
2WMW45DS	1430	1.94	0.0	
2WMW46DS	1450	1.08	0.0	
2WMW47DS	1540	1.40	0.0	
3MW12D	1045	4.79	0.0	
3MW37S	1037	3.63	0.0	
4MW1S	1515	8.55	0.0	
SG06	1550	16.89	0.0	
SG15	1055	Dry	—	
SG16	1200	Dry	—	
SG17	1150	Dry	—	
SG18	1115	3.96	—	
SG19	1355	3.77	—	
SG20	1340	3.12	—	
SG21	1420	3.18	—	
SG22	1430	4.07	—	
SG23	1450	3.77	—	
SG24	1540	4.61	—	

APPENDIX D

Groundwater & Surface Water Field Forms

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: NSB - NL
Location: Area A Landfill
Well ID: 2L MW205

Date: 4/15/03
Sampler: FS

Well Construction: 2" PVC - Flush Mount - Concrete cracked
Depth to water: 12.25
Well Depth: 18.60
Water Column:

Field Testing Equipment

Make	Model	Serial #
GeoTech	GeoPump	329
YSI	650	02B0985AE
Lamotte	Turbidity	1765 - 1800

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH	Spec. Cond.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
0845		125	12.35	11.89	6.60	3157	0.44	-106.8	60	Clear
0850		100	12.45	10.96	6.22	996	1.62	-78.8	55	Clear
0855		100	12.49	10.95	6.11	877	1.55	-68	50	Clear
0900		100	12.53	10.91	6.04	854	1.33	-61.2	40	Clear
0905		100	12.55	10.95	6.00	844	1.31	-58	40	Clear
0910		100	12.57	11.02	5.96	789	1.19	-53.4	33	Clear
0915		100	12.55	11.04	5.92	755	1.10	-49.7	22	Clear
0920		100	12.55	11.05	5.88	734	1.01	-46.1	16	Clear
0925		100	12.55	11.06	5.83	680	0.88	-41.3	8	Clear
0930		100	12.54	11.03	5.81	640	0.86	-37.5	5	Clear
Acceptance Criteria:			<0.3 ft	3%	+/- 0.1	3%	10%	+/-10mv	<10	

Sample Collection

Time	Sample ID	Container	#	Preservation	Analyses
0940	2L MW205	1 Liter Plastic	1	None	TSS
0940	"	500 mL	1	HNO_3	Total Metals + Hardness
0940	"	500 mL	1	None	TDS Alk Cl SO_4
0940	"	250 mL	1	HNO_3	Dissolved Metals (FA)
0940	"	VOA	2	H_2SO_4	TOC
0940	"	Amber	2	None	SVOC

Comments

* 2" PVC cracked
Concrete around MW is cracked into 5 large sections. Surface runoff infiltration is possible due to the condition of the concrete and PVC riser.
PID = 1.7 ppm

Signature

4/15/03
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: NSB-NL
Location: Area A Landfill
Well ID: 2WMW21S

Date: 4/15/03
Sampler: FS

Well Construction: 2" PVC - 3' Riser
Depth to water: 4.07
Well Depth: 17.00
Water Column:

Field Testing Equipment

Make	Model	Serial #
GeoTech	GeoPump	329
YSI	650	02B0985AE
Lamotte	Turbidity	1765-1800

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH	Spec. Cond.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color	
1215		125	4.07	11.19	6.70	43,745	-0.93	-454	11	Clear	
1220		125	4.75	11.21	6.53	43,351	~~-0.68~~ -0.67	-449	8	Clear	
1225		125	4.96	11.56	6.50	42056	-0.56	-448.8	4.2	Clear	
1230		125	5.11	11.25	6.47	40867	-0.46	-449	3.7	Clear	* Sal. 26.02
1235		125	5.14	11.25	6.47	40316	-0.50	-451	2.4	Clear	25.45
1240		125	5.17	11.25	6.47	39758	-0.50	-452	3.0	Clear	25.18
Acceptance Criteria:			<0.3 ft	3%	+/- 0.1	3%	10%	+/-10mv	<10		

Sample Collection

Time	Sample ID	Container	#	Preservation	Analyses
1245	2WMW21S	1 L	1	None	TSS
1245	2WMW21S	500 mL	1	HNO_3	Total Metals/Hardness
1245	2WMW21S	500 mL	1	None	TDS, Alk, Cl, SO4
1245	2WMW21S	250 mL	1	HNO_3	Dissolved Metals, (Fe)
1245	2WMW21S	VOA	2	HCl	TOC
1245	2WMW21S	Amber	2	None	DOC

Comments

PID = 0.0 ppm - strong sulfur odor

Signature

4/15/03
Date

~~NWIRP~~ NSB - AREA A
~~BEDFORD, MA~~ NEW LONDON

Environmental Chemical Corporation
Low Flow/Low Stress Groundwater Sampling Log

Project: NSB
Location: AREA - A
Well ID: 2WMW38DS

Date: 4/3/03
Sampler: David C

Well Construction: 2" PVC Peristaltic
Depth to water: 6.23
Well Depth: 11.61
Water Column: 5.38

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	02B0985 AE
La motte	2020 turbidimeter	1765-1900
Geo Pump 2	Peristaltic pump	329
Photovac	P.I.D.	EDFN311

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH	Spec. Cond.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
8:55		200	6.23	7.50	7.18	493	6.63	199.2	4.7	clear
9:05		175	7.53	7.40	7.02	473	5.58	203.4	3.1	clear
9:15		160	8.35	7.37	6.97	489	4.17	110.6	1.1	clear
9:25		100	9.13	7.52	6.92	519	3.10	43.9	0.90	clear
9:30		110	9.44	7.59	6.92	535	2.81	24.0	0.80	clear
9:35		100	9.85	7.63	6.93	556	2.50	0.4	0.75	clear
9:38		100	10.06	7.69	6.94	567	2.45	-10.2	0.75	clear
9:40		100	10.19	7.71	6.95	574	2.35	-14.7	0.75	clear
Acceptance Criteria:			<0.3 ft	3%	+/- 0.1	3%	10%	+/-10mv	<10	

sent ① 4/8/03

Sample Collection

Time	Sample ID	Container	#	Preservation	Analyses	
9:40	2-GW38DS-01	40ml vial	2	H_2SO_4	TOC	sent 4/3/03
9:40	2-GW38DS-01	1 Liter amber	2	None	SVOC 8270/PAH-SIM	sent ① 4/3/03
[redacted]	2-GW38DS-01	250 ml	1	HNO_3	Dissolved metals (EF)	sent 4/8/03
[redacted]	2-GW38DS-01	[redacted] 1 liter	1	None	TSS	sent 4/8/03
9:40	2-GW38DS-01	500 ml	1	HNO_3	Total metals hardness	sent 4/3/03
	2-GW38DS-01	500 ml	1	None	TDS, Alk, Cl, SO4	sent 4/8/03

Comments [redacted]

0.0 ppm PID reading at wellhead

Signature

4/3/03
Date

Not completely sampled, well went dry.

~~NWIRP~~ NSB - ARea A
~~BEDFORD, MA~~ New London

Environmental Chemical Corporation
Low Flow/Low Stress Groundwater Sampling Log

Project: NSB
Location: AREa - A
Well ID: 2WMW39DS

Date: 4/3/03
Sampler: David C.

Well Construction: 2" PVC Peristaltic
Depth to water: 2.43'
Well Depth: 16.68
Water Column: 14.25

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	02B0985AE
Lamotte	2020 Turbidimeter	1765-1800
Geo Pump 2	Peristaltic	329
Photovac	P.I.D.	ED FN 311

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH	Spec. Cond.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
10:45		125	3.34	9.52	7.13	1125	1.10	-14.8	170	Lt. Brown
10:55		100	4.38	8.19	6.74	1134	0.67	28.7	210	Lt. Brown
11:00		100	4.85	8.18	6.78	1135	0.74	32.6	60	Lt. Brown
11:05		100	5.24	8.21	6.78	1136	0.67	35.5	34	Clear
11:10		100	5.55	8.19	6.79	1136	0.58	37.5	32	clear
11:15		100	5.86	8.22	6.78	1135	0.57	39.3	28	Clear
11:20		100	6.11	8.31	6.79	1138	0.53	39.4	30	Clear
11:30		100	6.45	8.32	6.77	1138	0.53	34.0	30	clear
Acceptance Criteria:			<0.3 ft	3%	+/- 0.1	3%	10%	+/-10mv	<10	

Sample Collection

Time	Sample ID	Container	#	Preservation	Analyses
11:30	2-GW39DS-01	40ml. Vial	(2)	H_2SO_4	TOC
11:30	2-GW39DS-01	1 Liter amber	(2)	None	SVOC 8270/PAH-SIM
11:30	2-GW39DS-01	250 ml	(1)	HNO_3	Dissolved Metals ← (FF)
11:30	2-GW39DS-01	1 Liter	(1)	None	TSS
11:30	2-GW39DS-01	500 ml	(1)	HNO_3	Total Metals, Hardness
11:30	2-GW39DS-01	500 ml	(1)	None	TDS, Alk, Cl, SO_4
11:30	2-GW39DS-01	250 ml	(1)	HNO_3	COD

Comments: 0.0 ppm with P.I.D. at wellhead

Signature: [signature]

Date: 4/3/03

~~NWIRP~~ NSB AREA A
~~BEDFORD, MA~~ New London

Environmental Chemical Corporation
Low Flow/Low Stress Groundwater Sampling Log

Project: NSB
Location: AREA - A
Well ID: 2WMW40DS

Date: 4/3/03
Sampler: David C.

Well Construction: 2" PVC Peristaltic
Depth to water: 2.91
Well Depth: 16.42
Water Column: 13.51

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	0280985 AE
Lamotte	2020 Turbidimeter	1765-1800
Geo Pump2	Peristaltic	329
Photovac	P.I.D.	EDFN311

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH	Spec. Cond.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
14:20		175	4.66	8.95	7.07	23234	-0.38	-322.8	0.65	clear
14:30		140	6.58	8.49	7.10	21457	-1.17	-326.9	0.60	clear
14:40		140	8.18	8.36	7.09	18629	-1.01	-329.9	2.9	clear
14:50		140	9.28	7.88	7.35	13190	-0.43	-319.9	9.1	clear
14:55		120	9.77	7.83	7.39	12499	-0.25	-318.6	12	clear
14:58		120	10.00	7.67	7.38	12409	-0.21	-320.0	11	clear
Acceptance Criteria:			<0.3 ft	3%	+/- 0.1	3%	10%	+/-10mv	<10	

Sample Collection

Time	Sample ID	Container	#	Preservation	Analyses
14:58	2-GW 40DS-01	40ml. Vial	(2)	H_2SO_4	TOC
14:58	2-GW 40DS-01	1 Liter amber	(2)	None	SVOC 8270/PAH-SIM
14:58	2-GW 40DS-01	250 ml	(1)	HNO_3	Dissolved metals (FF)
14:58	2-GW 40DS-01	1 Liter	(1)	None	TSS
14:58	2-GW40DS-01	500ml	(1)	HNO_3	Total metals, hardness
14:58	2-GW40DS-01	500ml	(1)	None	TDS, Alk, Cl, SO_4
14:58	2-GW40DS-01	250ml	(1)	H_2SO_4	COD

Comments: 0.0 ppm at wellhead with P.I.D.

Signature: [signature]
Date: 4/3/03

~~NSWRF~~ NSB Area-A
~~BEDFORD, MA~~ New London

Environmental Chemical Corporation
Low Flow/Low Stress Groundwater Sampling Log

Project: NSB
Location: Area-A
Well ID: 2WMW41DS

Date: 4/4/03
Sampler: David C.

Well Construction: 2" PVC Peristaltic
Depth to water: 1.90'
Well Depth: 16.38'
Water Column: 14.48

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	01H0711AE
Lamotte	2020 Turbidimeter	1765-1800
GeoPump2	Peristaltic	329
Photovac	P.I.D.	EDFN311

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH	Spec. Cond. mS/Cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
8:40		100	3.23	6.98	6.81	18.86	9.2	-394.8	3.9	clear
8:50		100	3.72	7.10	6.84	17.52	-0.07	-433.6	4.4	clear
9:00		100	5.33	7.24	6.85	16.10	-0.39	-435.8	3.7	clear
9:10		100	6.44	7.41	6.86	14.69	-0.41	-437.4	2.4	clear
9:20		100	6.64	7.33	6.87	14.06	-0.40	-436.2	2.4	clear
9:25		100	7.04	7.15	6.88	12.49	-0.36	-436.2	2.3	clear
Acceptance Criteria:			<0.3 ft	3%	+/- 0.1	3%	10%	+/-10mv	<10	

Sample Collection

Time	Sample ID	Container	#	Preservation	Analyses
9:25	2-GW41DS-01	40ml Vial	(2)	H_2SO_4	TOC
9:25	2-GW41DS-01	1 Liter amber	(2)	none	SVOC 8270/PAH-Sim
9:25	2-GW41DS-01	250ml	(1)	HNO_3	Dissolved Metals (FF)
9:25	2-GW41DS-01	1 Liter	(1)	none	TSS
9:25	2-GW41DS-01	500ml	(1)	HNO_3	Total metals, hardness
9:25	2-GW41DS-01	500ml	(1)	none	TDS, Alk, Cl, SO4
9:25	2-GW41DS-01	250ml	(1)	H_2SO_4	COD

Comments: 0.0 ppm P.I.D. reading at wellhead

Signature

4/4/03
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: NSB-NL
Date: 4-8-03
Location: AREA A LANDFILL
Sampler: J. DIAZ
Well ID: 2WMW 42DS

Well Construction: 2" diam PVC Casing w/ DEDICATED TUBING
Depth to water: 1.71 FT
Well Depth: 15.95 FT
Water Column: 14.24 FT

Field Testing Equipment

	Make	Model	Serial #
	PID	2020	EDEN 311
	SOLINST	101	SN 216500
	YSI	600 XLM	00D0698AB
	GEOTECH	GEOPUMP 2	329

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH	Spec. Cond. mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1519	1	100	7.38	7.10	6.79	15.69	1.08	-449.7	32.0	gray
1529	~~0.5~~ 1	100	7.51	7.14	6.82	12.98	0.29	-450.3	6.8	Clear w/ FLECKS OF BLACK
1539	~~0.5~~ 1	100	8.35	7.39	6.85	11.97	-0.40	-463	5.5	"
1549	1	100	9.85	7.59	6.80	10.33	-0.29	-508.4	33.0	gray - w/ BLACK PARTICLES
1559	1	100	10.65	7.72	6.98	9.60	-0.01	-532.6	65.0	black
1609	1	100	11.46	7.84	7.02	9.95	0.16	-505.6	30.0	black
1619	1	100	12.03	7.88	7.03	10.93	0.20	-471.9	35.0	gray - black
1624	0.5	100	12.41	7.88	7.02	11.40	0.11	-465.7	29.0	gray
1629	0.5	100	12.64	7.88	7.04	11.37	0.03	-463.4	24.0	gray
1634	0.5	100	12.87	7.94	7.02	11.66	-0.03	-463.2	19.0	gray - clear
1639	0.5	100	13.10	7.99	7.05	11.84	-0.15	-460.3	16.0	clear - gray
1644	0.5	100	13.31	8.01	7.05	12.02	-0.18	-458.2	15.0	"
Acceptance Criteria:			<0.3 ft	3%	+/- 0.1	3%	10%	+/-10mv	<10	
1649	0.5	100	13.50	8.02	7.05	12.10	-0.23	-454.7	14.0	Clear - gray

Sample Collection

Time	Sample ID	Container	#	Preservation	Analyses
~~1654~~	2-GW42DS-01	1L PLAS	1	NONE	TSS
4-8-03 16:16 1654	2-GW42DS-01	500 mL PLAS	1	HNO3	Total Metals HARDNESS
16:16	2GW 42 DS-01	500 mL PLAS	1	NONE	TDS, ALK, CL, SO4 (4/9/03)
4-9-03 16:10	2 GW 42 DS-01	250 mL PLAS	1	HNO3	DISSOLVED METALS FE (4/9/03)
	2 GW 42 DS - 01		2	H_2SO_4	TOC

Comments

WELL LOCKED, CASING IN GOOD CONDITION STRONG SULFUR ODOR FROM WELL

4-9-03 16:54	2GW42DS-01	250 mL PLAS	1	H_2SO_4	COD
16:10	2GW42DS-01	1 L Amber	2	NONE	SVOC

Sampled on 4/9/03

Signature

Date 4-9-03

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: NSB
Location: AREa A [redacted]
Well ID: 2WMW43DS

Date: 4/8/03
Sampler: David C.

Well Construction: 2" PVC Peristaltic
Depth to water: 2.16'
Well Depth: 15.65
Water Column: 13.49

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	02B0985 AE
Lamotte	Turbidimeter	3661-3802
Geopump 2	Peristaltic	336

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH	Spec. Cond. uS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
13:45		100	3.19	6.88	6.54	27965	1.08	-391.1	20.3	clear
13:55		100	4.77	6.69	6.57	27940	-1.83	-399.7	19.9	clear
14:05		110	5.47	7.06	6.52	26895	-0.74	-402.2	21.8	Clear
14:15		110	6.63	7.25	6.54	25168	-0.01	-401.0	19.1	clear
14:20		110	7.23	7.30	6.58	23427	0.08	-400.9	16.0	Clear
14:25		110	7.66	7.32	6.65	21141	0.09	-399.6	16.9	Clear
14:30		110	7.93	7.35	6.72	20259	0.02	-400.8	16.6	Clear
Acceptance Criteria:			<0.3 ft	3%	+/- 0.1	3%	10%	+/-10mv	<10	

Sample Collection

Time	Sample ID	Container	#	Preservation	Analyses
14:30	2-GW43DS-01	40ml. vial	2	H_2SO_4	TOC
14:30	2-GW43DS-01	1 liter amber	2	None	SVOC, 8270/PAH-Sim
14:30	2-GW43DS-01	250ml	1	HNO_3	Dissolved Metals (FF)
14:30	2-GW43DS-01	1 liter	1	None	TSS
14:30	2-GW43DS-01	500ml	1	HNO_3	Total metals, hardness
14:30	2-GW43DS-01	500ml	1	None	TDS, Alk, Cl, SO_4
14:30	2-GW43DS-01	250ml	1	H_2SO_4	COD

Comments

0.0 ppm at wellhead with P.I.D.

Signature

4/8/03
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: NSB
Location: Area A
Well ID: 2WMW44D5

Date: 4/13/03
Sampler: David C.

Well Construction: 2" PVC Peristaltic
Depth to water: [redacted]
Well Depth: 16.65'
Water Column: 14.84

Field Testing Equipment

Make	Model	Serial #
Photovac	P.I.D.	ED FN 311
YSI	650MDS	02B0985AE
Lamotte	Turbidimeter	1765-1800
Geo Pump 2	Peristaltic	[redacted] 336

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH	Spec. Cond. us/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
12:35		110	2.20	10.41	6.78	42611	-0.03	-449.2	40	clear
12:45		120	3.64	10.16	6.65	42685	-0.05	-450.9	15	clear
12:55		110	4.59	10.28	6.64	41520	0.02	-445.6	15	clear
13:05		110	5.74	10.52	6.61	39000	0.12	-449.1	11	clear
13:15		110	6.32	10.66	6.60	35455	[redacted]	-448.7	8.1	clear
13:17		120	6.41	10.65	6.60	34312	0.11	-447.6	9.5	clear

Acceptance Criteria:	<0.3 ft	3%	+/- 0.1	3%	10%	+/-10mv	<10

Sample Collection

Time	Sample ID	Container	#	Preservation	Analyses
13:17	2-GW44D5-01	40ml vial	2	H_2SO_4	TOC
13:17	2-GW44D5-01	1 Liter amber	2	None	SVOC 8270/PAH-SIM
13:17	2-GW44D5-01	250ml plastic	1	HNO_3	Dissolved Metals (FF)
13:17	2-GW44D5-01	1 Liter Plastic	1	None	TSS
13:17	2-GW44D5-01	500ml Plastic	1	HNO_3	Total metals, hardness
13:17	2-GW44D5-01	500ml Plastic	1	None	TDS, Alk, Cl, SO_4
13:17	2-GW44D5-01	250ml Plastic	1	H_2SO_4	COD

Comments

Well in Good Condition
P.I.D. at wellhead = 2.7 ppm

Signature

4/13/03
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: NSB-NL
Location: Area A Landfill
Well ID: 2WMW45DS

Date: 4/14/03
Sampler: Fred Santos

Well Construction: 2" PVC - Riser Good condition
Depth to water: 1.75
Well Depth: 16.60
Water Column:

Field Testing Equipment

Make	Model	Serial #
YSI	650	01H0711 AE
Lamotte	Turbidity	3661-3802
Geo Tech	Geo Pump	

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH	Spec. Cond. us/cm²	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
2:55pm		150ml/min	1.75	10.61	6.23	44,615	0.43	-434	30	Clear
3:00pm		125	3.76	10.05	6.18	43,628	0.37	-433.4	20	Clear
3:05pm		100	5.64	9.70	6.21	42,185	0.34	-435.7	9.5	Clear
3:10pm		100	6.93	9.30	6.28	41,373	0.33	-442.7	5.0	Clear
3:15pm		100	7.05	9.49	6.29	40,603	0.34	-442.3	7.1	Clear
3:20pm		100	7.12	9.55	6.31	39,859	0.34	-444.1	2.5	Clear
3:25pm		100	7.16	9.61	6.32	39,176	0.35	-446.3	5.0	Clear

Acceptance Criteria: <0.3 ft 3% +/- 0.1 3% 10% +/-10mv <10

Sample Collection

Time	Sample ID	Container	#	Preservation	Analyses
3:40pm (1540)	2WMW45DS-01	1 Liter Plastic	1	None	TSS
1540	2WMW45DS-01	500 ml	1	HNO_3	Metals/Hardness
1540	2WMW45DS-01	500 ml	1	None	TDS, Alk, Cl, SO_4
1540	2WMW45DS-01	250 ml	1	HNO_3	Dissolved metals (Fe)
1540	2WMW45DS-01	~~Amber Liter~~ VOA	2	H_2SO_4	TOC
1540		Amber Liter	2	None	SVOC

Comments

Strong Sulfur odor emitted from well

* Collected a Field Duplicate for the identical analysis and Jars as 2WMW45DS-01
The ID of the Field Duplicate is *2WMW45DS-01D

1540 2WMW45DS-01 250 ml 1 H_2SO_4 COD

Signature

4/14/03
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: NBS
Location: AREA-A
Well ID: 2WMW46DS

Date: 4/13/03
Sampler: David C.

Well Construction: 2" PVC Peristaltic
Depth to water: 1.20'
Well Depth: 16.57
Water Column: 15.37

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	02B0995AE
Photovac	P.I.D	ED FN 311
Lamotte	Turbidimeter	1765-1900
GeoPump 2	Peristaltic	336

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH	Spec. Cond. us/cm²	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
16:20		130	[redacted]	9.40	7.08	44968	-1.04	-474.6	85	[redacted] Lt. Bro
16:30		100	~~[illegible]~~ 3.44	8.97	6.88	44503	-0.44	-470.8	21	clear
16:40		100	4.69	8.74	6.83	44048	-0.18	-462.7	21	clear
16:50		100	5.85	8.64	6.83	43988	-0.09	-465.8	18	clear
17:00		100	6.70	8.53	6.84	43938	-0.06	-464.3	21	clear
[redacted]										
Acceptance Criteria:			<0.3 ft	3%	+/- 0.1	3%	10%	+/-10mv	<10	

Sample Collection

Time	Sample ID	Container	#	Preservation	Analyses
17:00	2-GW46DS-01	40ml Vial	(2)	H_2SO_4	TOC
17:00	2-GW46DS-01	1 Liter amber	(2)	NONE	SVOC 8270/PAH-SIM
17:00	2-GW46DS-01	250ml Plastic	(1)	HNO_3	Dissolved metals (FF)
17:00	2-GW46DS-01	1 Liter Plastic	(1)	NONE	TSS
17:00	2-GW46DS-01	500ml Plastic	(1)	HNO_3	Total metals, hardness
17:00	2-GW46DS-01	500ml Plastic	(1)	NONE	TDS, Alk, Cl, SO_4
17:00	2-GW46DS-01	250ml Plastic	(1)	H_2SO_4	COD

Comments

Well is in Good condition
1.1 ppm at wellhead with P.I.D.

Signature

4/13/03
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: NSB
Location: Area-A
Well ID: 2WMW47DS

Date: 4/15/03
Sampler: David C

Well Construction: 2" PVC Peristaltic
Depth to water: 1.11'
Well Depth: 16.21'
Water Column: 15.10'

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	01H0711 AE
Lamotte	Turbidimeter	3661-3802
Photovac	P.I.D.	ED FW 311
GeoPump 2	Peristaltic	336

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH	Spec. Cond. US/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
10:00		140	1.44	9.89	6.90	26895	0.16	-372.8	60	Black
10:10		110	2.48	10.53	6.48	23995	-0.02	-414.7	29	clear
10:20		110	2.82	11.15	6.36	20367	0.07	-397.4	12	clear
10:30		110	3.46	10.35	6.27	16012	0.18	-353.4	17	clear
10:35		110	3.50	10.29	6.26	14790	0.22	-354.8	10	clear
10:37		110	3.51	10.35	6.26	14199	0.26	-353.5	6.8	clear
Acceptance Criteria:			<0.3 ft	3%	+/- 0.1	3%	10%	+/-10mv	<10	

Sample Collection

Time	Sample ID	Container	#	Preservation	Analyses
10:37	2-GW47DS-01	40ml Vial	2	H_2SO_4	TOC
10:37	2-GW47DS-01	1 Liter amber	2	None	SVOC 8270/PAH-SIM
10:37	2-GW47DS-01	250ml Plastic	1	HNO_3	Dissolved Metals (FE)
10:37	2-GW47DS-01	1 Liter amber	1	None	TSS
10:37	2-GW47DS-01	500ml Plastic	1	HNO_3	Total metals, hardness
10:37	2-GW47DS-01	500ml Plastic	1	None	TDS, Alk, Cl, SO_4
10:37	2-GW47DS-01	250ml Plastic	1	H_2SO_4	COD

Comments: well is in Good condition
0.0 ppm at wellhead with P.I.D.

Signature: [signature]

Date: 4/15/03

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page___ of ___

Project Site Name: AREA A NSB - NL
Project No.:

[] Domestic Well Data
[] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 3MW12D
Sample Location: AREA A
Sampled By: DRG
C.O.C. No.:
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	TBD	TBD
Date:	Visual	Standard	mS/cm	°C	NTU	mg/l		
Time:								
Method:								

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	TBD	TBD
Date: 4/2								
Method: Peristal								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type: 2" PVC								
Total Well Depth (TD):								
Static Water Level (WL): 4.05								
One Casing Volume(gal/L):								
Start Purge (hrs): 1512								
End Purge (hrs): 1615								
Total Purge Time (min): 63								
Total Vol. Purged (gal/L): 5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL SVOC	NONE	1 - 1L Amber	1615
TCL PAH	NP	1 - 1L Amber	
TAL INORGANICS - TOTAL			
" - DISSOLVED			
TDS, ALK, CHL, SO4			

OBSERVATIONS / NOTES:

SAMPLE NO. 3-GW12D-01

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

TBD - To Be Determined

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NSB-NL Area Alpha
PROJECT NUMBER:

WELL ID.: 3 MW 12d
DATE: 4-02-03

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	S. Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celcius)	ORP mV	Salinity % or ppt	Comments
			0.1	3%	10%	10%	2%	±10 mv		
1512	4.05	300 m	6.1	2115		0.79				
1517	4.09		6.1	2115		0.79	9.8	76		
1520	4.09	300	6.1	2110	15	0.75	9.9	74		
1525	4.09	300	6.1	2103	10	0.61	9.9	80		
1530	4.10	300	6.14	2098	7	1.29	9.9	83		
1545	4.10	300	6.14	2091	10	1.21	9.9	85		
1550	4.10	350	6.18	2100	6	1.18	9.9	83		
1600	4.10	350	6.16	2100	3.5	1.22	9.9	84		
1608	4.10	350	6.16	2100	6.0	1.20	9.9	85		TV
1612	4.10	350	6.16	2100	5.5	1.23	9.9	85		
	Stop Purge @ 1615									

SIGNATURE(S): _____

PAGE OF

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: AREA A - NSA NL
Project No.:

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 3GW37s
Sample Location:
Sampled By: David C.
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	TBD	TBD
Date: 4/2/03								
Time: 15:40								
Method: Peristaltic Pump	Clear	6.22	1403	9.60	1.4	1.54		

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	TBD	TBD
Date: 4/2/03								
Method: Peristaltic Pump								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type:								
Total Well Depth (TD): 8.45								
Static Water Level (WL): 3.56								
One Casing Volume(gal/L):								
Start Purge (hrs): 1500								
End Purge (hrs): 1540								
Total Purge Time (min): 40								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
SVOC 8270 /PAH -SIM	None	(2) 1 Liter Amber	✓
TOC	H_2SO_4	(2) 40ml Vial	✓
Dissolved metals	HNO_3	(1) 250ml FF	✓
Total Metals Hardness	HNO_3	(1) 500ml	✓
TDS, Alk, Cl, SO4	None	(1) 500ml	✓
TSS	None	(1) 1 Liter	✓

OBSERVATIONS / NOTES:

SAMPLE NO. 3-GW37s-01

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s): [illegible]

TBD: To Be Determined

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: Area A - NW NL
PROJECT NUMBER:

WELL ID.: 36W37S
DATE: 4-02-03

Time	Water Level	Flow	pH	S. Cond.	Turb.	DO	Temp.	ORP	Salinity	Comments
HH(s.)	(Ft.Below TOC)	(mL/Min.)	(S.U.)	(mS/cm)	(NTU)	(mg/L)	(Celsius)	(MilliVolts)	(% or Ppt)	
<0.3 ft		+3%	+/- .1	3%	<10	+/-10	3%	+/- 10		
1500	4.05	175	6.46	1623	4.7	4.91	8.61	210.7	1.22	clear
1510	4.05	140	6.29	1558	3.9	2.70	8.59	170.9	1.17	clear
1520	4.05	100	6.27	1466	2.3	2.02	8.73	150.0	1.09	
1530	3.93	100	6.25	1418	2.2	1.81	8.68	140.0	1.06	
1540	3.93	100	6.22	1403	1.4	1.54	8.60	138.7	1.05	

SIGNATURE(S): [illegible]

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: NSB
Location: AREA-A
Well ID: 4MW15

Date: 4/15/03
Sampler: David C.

Well Construction: 2" PVC Peristaltic
Depth to water: 4.19'
Well Depth: 20.02'
Water Column: 15.83'

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	01H0711 AE
Lamotte	turbidimeter	3661-3802
Photovac	P.I.D.	ED FN 311
GeoPump 2	Peristaltic	336

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH	Spec. Cond. uS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
8:00		160	4.25	8.56	5.99	412	10.46	46.7	19	clear
8:10		110	4.26	8.30	5.76	394	11.09	91.0	1.00	clear
8:20		110	4.27	8.44	5.70	378	11.58	108.1	0.75	clear
8:30		110	4.27	10.32	5.79	355	11.86	85.7	0.75	clear
8:32		110	4.27	9.92	5.77	360	12.02	87.4	0.30	clear
Acceptance Criteria:			<0.3 ft	3%	+/- 0.1	3%	10%	+/-10mv	<10	

Sample Collection

Time	Sample ID	Container	#	Preservation	Analyses
8:32	4-GW15-01	40ml vial	(2)	H_2SO_4	TOC
8:32	4-GW15-01	1 Liter amber	(2)	NONE	SVOC 8270/ PAH-SIM
8:32	4-GW15-01	250ml plastic	(1)	HNO_3	Dissolved Metals (FF)
8:32	4-GW15-01	1 Liter plastic	(1)	NONE	TSS
8:32	4-GW15-01	500ml plastic	(1)	HNO_3	Total metals hardness
8:32	4-GW15-01	500ml plastic	(1)	NONE	TDS, Alk, Cl, SO_4
8:32	4-GW15-01	250ml plastic	(1)	H_2SO_4	COD

Comments

well is in Good Condition
2.3ppm at wellhead with P.I.D.

Signature

4/15/03
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: NSBNL
Location: AREA A LANDFILL
Well ID: SG18 SURFACE WATER

Date: 4-11-03
Sampler: Dave Comeau
FRED SANTOS / JDAY

Well Construction: N/A
Depth to water: N/A
Well Depth: N/A
Water Column: N/A

Field Testing Equipment

Make	Model	Serial #
YSI	600XLM	02B0985AE

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH	Spec. Cond. uS/cm³	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
0840	N/A	N/A	N/A	4.00	6.37	424	1.56	6.0	NA	orange/clear Salm ·17
Acceptance Criteria:			<0.3 ft	3%	+/- 0.1	3%	10%	+/-10mv	<10	

Sample Collection

Time	Sample ID	Container	#	Preservation	Analyses
0840	17-SW18-01	1 L AMBER	2	NONE	SVOC 8270/PAH-SIM
0840	2-SW18-01	40 ml BROWN VOA	2	H_2SO_4	TOC
0840	2-SW18-01	250 ml PLASTIC	1	HNO_3	DISSOLVED METALS (FF)
0840	2-SW18-01	1 L PLASTIC	1	NONE	TSS
0840	2SW18-01	500 ml PLASTIC	1	HNO_3	Total Metals/HARDNESS

Comments

0840	2SW18-01	500ML PLASTIC	1	NONE	TDS, ALK, CL, SO4
0840	2SW18-01	250 ML PLASTIC	1	H_2SO_4	COD

Signature: [signature]

Date: 4-11-03

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: NSB
Location: Area - A
Well ID: SG-19

Date: 4/8/03
Sampler: David c

Well Construction:
Depth to water:
Well Depth:
Water Column:

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	02B0985AE

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH	Spec. Cond. US/CM	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
17:00				3.60	7.09	312	9.24	-112.0		
Acceptance Criteria:			<0.3 ft	3%	+/- 0.1	3%	10%	+/-10mv	<10	

Sample Collection

Time	Sample ID	Container	#	Preservation	Analyses
17:00	2-SW19-01	40ml. Vial	(2)	H_2SO_4	TOC
17:00	2-SW19-01	1 liter amber	(2)	None	SVOC 8270 /PCH-Sim
17:00	2-SW19-01	250 ml	(1)	HNO_3	Dissolved metals (FF)
17:00	2-SW19-01	1 liter	(1)	None	TSS
17:00	2-SW19-01	500ml	(1)	HNO_3	Total metals, hardness
17:00	2-SW19-01	500ml	(1)	None	TDS, Alk, Cl, SO_4
17:00	2-SW19-01	250ml	(1)	H_2SO_4	COD

Comments

Signature

4/8/03
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: NSB
Location: Area A
Well ID: SG-20

Date: 4/8/03
Sampler: David C.

Well Construction:
Depth to water:
Well Depth:
Water Column:

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	02B0985 AE

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH	Spec. Cond. us/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
14:50				3.11	8.37	[redacted]	5.73	-316.7		
						272				
Acceptance Criteria:			<0.3 ft	3%	+/- 0.1	3%	10%	+/-10mv	<10	

Sample Collection

Time	Sample ID	Container	#	Preservation	Analyses
14:50	2-SW20-01	40ml Vial	2	H_2SO_4	TOC
14:50	2-SW20-01	1 Liter amber	2	NONE	SVOC 8270/PAH-Sim
14:50	2-SW20-01	250ml	1	HNO_3	Dissolved metals (F)
14:50	2-SW20-01	1 Liter	1	NONE	TSS
14:50	2-SW20-01	500ml	1	HNO_3	Total metals, hardness
14:50	2-SW20-01	500ml	1	NONE	TDS, Alk, Cl, SO_4
14:50	2-SW20-01	250ml	1	H_2SO_4	COD

Comments

SPLP sample

Signature

4/8/03
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: JRD 4-11-03 NBL NSB/NL

Date: 4-11-03

Location: AREA A LANDFILL

Sampler: DAVE COMEAU FRED SANTOS / J DIAZ

Well ID: SG 21 SURFACEWATER

Well Construction: N/A

Depth to water: N/A

Well Depth: N/A

Water Column: N/A

Field Testing Equipment

Make	Model	Serial #
YSI	600XLM	02B0985AE

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH	Spec. Cond. uS/cm³	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color	SAL.
0900	N/A	N/A	N/A	5.12	6.30	348	7.29	42.9	N/A	Clear-Orange	1.7
Acceptance Criteria:			<0.3 ft	3%	+/- 0.1	3%	10%	+/-10mv	<10		

Sample Collection

Time	Sample ID	Container	#	Preservation	Analyses
0900	2-SW21-01	1 LAMBER	6	NONE	SVOC 8270/PAH-SIM
0900	2-SW21-01	40 ml VOA AMBER	6	H_2SO_4	TOC
0900	2-SW21-01	250 ML PLASTIC	3	HNO_3	DISSOLVED METALS (FF)
0900	2-SW21-01	1 L PLASTIC	3	NONE	TSS
0900	2-SW21-01	500 ML PLAS.	3	HNO_3	TOTAL METALS / HARDNESS

Comments

MS/MSD Collected

0900	2SW21-01	500 ML PLAS.	3	NONE	TDS, ALK, CL, SO4
0900	2-SW21-01	250 ML PLAS.	3	H_2SO_4	COD

Signature: [signature]

Date: 4-11-03

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: NSB/NL

Date: 4-11-03

Location: AREA A - LANDFILL

Sampler: D. Comeau/E. Smith, J. Diaz

Well ID: ~~SW22~~ SG22 Surface water

Well Construction: N/A

Depth to water: N/A

Well Depth: N/A

Water Column: N/A

Field Testing Equipment

Make	Model	Serial #
YSI	600XLM	02B0985AE

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH	Spec. Cond.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
0925	N/A	N/A	N/A	6.14	6.35	394	4.43	-38.9	—	Clear
Acceptance Criteria:			<0.3 ft	3%	+/- 0.1	3%	10%	+/-10mv	<10	

SAL 0.19

Sample Collection

Time	Sample ID	Container	#	Preservation	Analyses
0925	2-SW22-01	1L AMBER	2	NONE	SVOC 8270/PAH-SIM
0925	2-SW22-01	40 ML VOA	2	H_2SO_4	TOC
0925	2-SW22-01	250 ML PLASTIC	1	HNO_3	DISSOLVED METALS FE
0925	2-SW22-01	1 L PLASTIC	1	NONE	~~TOTAL METALS~~ TSS
0925	2-SW22-01	500 ML PLASTIC	1	HNO_3	TOTAL METALS/HARDNESS

Comments

0925	2-SW22-01	500 ML PLASTIC	1	NONE	TDS, ALK, CL, SO4
0925	2-SW22-01	250 ML PLASTIC	1	HNO_3	COD

Signature: [signature]

Date: 4-11-03

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: NSB
Location: Area - A
Well ID: SG-23

Date: 4/11/03
Sampler: David C.

Well Construction: Surface water
Depth to water:
Well Depth:
Water Column:

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	02B0985 AE

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH	Spec. Cond. US/CM	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color	sal
9:35				3.79	6.08	594	3.97	-75.2			.29
Acceptance Criteria:			<0.3 ft	3%	+/- 0.1	3%	10%	+/-10mv	<10		

Sample Collection

Time	Sample ID	Container	#	Preservation	Analyses
9:35	2-SW23-01	40ml vial	2	H_2SO_4	TOC
9:35	2-SW23-01	1 Liter amber	2	None	SVOC 8270/PAH-Sim
9:35	2-SW23-01	250ml plastic	1	HNO_3	Dissolved metals (FE)
9:35	2-SW23-01	1 Liter plastic	1	None	TSS
9:35	2-SW23-01	500ml plastic	1	HNO_3	Total metals, hardness
9:35	2-SW23-01	500ml plastic	1	None	TDS, Alk, Cl, SO_4
9:35	2-SW23-01	250ml plastic	1	H_2SO_4	COD

Comments

Signature

4/11/03
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: NSB
Location: Area-A
Well ID: SG-24

Date: 4/11/03
Sampler: David C.

Well Construction: Surface water
Depth to water:
Well Depth:
Water Column:

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	02B0985 AE

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH	Spec. Cond. uS/cm²	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color	Sal
9:50				6.43	6.49	2806	1.57	-137.8			1.46
Acceptance Criteria:			<0.3 ft	3%	+/- 0.1	3%	10%	+/-10mv	<10		

Sample Collection

Time	Sample ID	Container	#	Preservation	Analyses
9:50	2-SW24-01	40ml Vial	(2)	H_2SO_4	TOC
9:50	2-SW24-01	1 Liter amber	(2)	None	SVOC 8270/PAH-SIM
9:50	2-SW24-01	250ml Plastic	(1)	HNO_3	Dissolved metals — FF
9:50	2-SW24-01	1 Liter Plastic	(1)	None	TSS
9:50	2-SW24-01	500ml Plastic	(1)	HNO_3	Total metals hardness
9:50	2-SW24-01	500ml Plastic	(1)	None	TDS, Alk, Cl, SO4
9:50	2-SW24-01	250ml Plastic	(1)	H_2SO_4	COD
9:50	2-SW24-01D	40ml Vial	(2)	H_2SO_4	TOC
9:50	2-SW24-01D	1 Liter amber	(2)	None	SVOC 8270/PAH-SIM
9:50	2-SW24-01D	250ml Plastic	(1)	HNO_3	Dissolved metals, [redacted] — FF
9:50	2-SW24-01D	1 Liter Plastic	(1)	None	TSS
9:50	2-SW24-01D	500ml Plastic	(1)	HNO_3	Total metals, hardness
9:50	2-SW24-01D	500ml Plastic	(1)	None	TDS, Alk, Cl, SO4
9:50	2-SW24-01D	250ml Plastic	(1)	H_2SO_4	COD

Comments

Signature

Date 4/11/03

Tetra Tech NUS, Inc.

SURFACE WATER SAMPLE LOG SHEET

Page___ of ___

Project Site Name: AREA A LANDFILL
Project No.: NSB - NEW LONDON

Sample ID No.: 2-SP01-01
Sample Location: AREA A
Sampled By: D. GAINER
C.O.C. No.:

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: SEEP
[] QA Sample Type:

Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 4/3/03 Time: 1450 Depth: SURFACE Method:	Color Visual	pH Standard	S.C. mS/cm	Temp. Degrees C	Turbidity NTU	DO mg/l	Salinity %	Other NA
		6.45	646	11.73		6.9		

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A landfill
Location: Groton CT
Well ID: 2GW 44DS-03

Date: 8-19-03
Sampler: Suzanne Whiteside
PID Reading: 0.0

Start Time: 16:00 **End Time:** 16:35
Well Construction: 2" PVC
Depth to water: 2.13
Well Depth: 17.00
Water Column: 14.87
Total Volume Removed (L) 3.75

Field Testing Equipment

Make	Model	Serial #
INSITU		30559
Geopump		
Lamotte turbidimeter		

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity (ppt)	color
4:05	.75	150	4.36	15.28	7.12	36.75	1.63	-370	3.81		clear
4:15	1	100	5.05	14.72	7.15	35.93	0.90	-369	4.50		clear
4:20	.5	100	5.87	14.70	7.15	36.02	0.76	-369	5.34		clear
4:25	.5	100	5.96	14.75	7.15	34.49	0.70	-368	6.22		clear
4:30	.5	100	6.02	14.35	7.15	34.30	0.79	-368	6.03		clear
4:35	.5	100	6.24	14.18	7.14	33.32	0.75	-367	5.97		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
16:37	2GW44DS-03	1L Amber	4	None	SVOC's PAHs
16:37	2GW44DS-03	40 ml vial	2	H_2SO_4	TOC
16:37	2GW44DS 03	250ml poly	1	H_2SO_4	COD
16:37	2GW44DS 03	250 ml poly	1	None	Alkalinity SO4 TDS CDI
16:37	2GW 44DS 03	1000 ml poly	1	None	TSS
16:37	2GW44DS 03	500ml poly	2	HNO_3	Inorganics Total & Dissolved (FP)

Comments

Suzanne Whiteside
Signature

8-19-03
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A Landfill
Location: Groton CT
Well ID: 2-GW45DS
Start Time: 13:46 **End Time:** 14:36
Well Construction: 2" PVC
Depth to water: 2.48
Well Depth: 17.25
Water Column: 14.77
Total Volume Removed (L)

Date: 8·19·03
Sampler: Suzanne Whitesi
PID Reading: 0.0

Field Testing Equipment

Make	Model	Serial #
Insitu		30559
	turbidimeter	
Geopump 2		

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity (ppt)	color
13:56	1.5	150	3.50	24.79	6.89	34.95	1.28	-354	5.49		clear
14:06	1.5	150	4.97	14.81	6.99	36.40	1.04	-362	5.49		clear
14:16	1	100	5.56	15.56	7.04	35.72	0.77	-370	5.42		clear
14:21	.5	100	6.56	15.53	7.05	35.44	0.87	-371	5.36		clear
14:26	.5	100	6.59	15.41	7.05	35.51	0.75	-369	5.02		clear
14:31	.5	100	7.30	15.16	7.05	34.36	0.91	-371	5.01		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
14:36	2-GW45DS-03	1 L Amber	4	None	SVOCs PAHs
14:36	2 GW45DS-03	40 ml vial	2	H_2SO_4	TOC
14:36	2 GW45 DS-03	250 ml poly	1	H_2SO_4	COD
14:36	2GW 45DS03	250 ml poly	1	None	Alkalinity SO_4 TDS Cl
14:36	2GW 45 DS03	1000 ml poly	1	None	TSS
14:36	2GW45 DS03	500 ml poly	2	HNO_3,	Inorganics Total & Dissolved

Comments

Suzanne Whitesides
Signature

8·19·03
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A Landfill
Location: Groton CT
Well ID: 2GW 46DS
Start Time: (16:00) 4:00 **End Time:** 16:35
Well Construction:
Depth to water: 1.80
Well Depth: 16.77
Water Column: 14.97
Total Volume Removed (L) 3.5

Date: 8-18-03
Sampler: Suzanne Whiteside
PID Reading: 0.0

Field Testing Equipment

Make	Model	Serial #
INSITU		30559
Geopump 2		319
Lamotte turbidimeter		

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity (ppt)	color
4:05	.5	100	3.86	13.62	7.13	36.94	1.33	-354	10.30		clear
4:15	1	100	4.02	13.32	7.14	36.87	0.79	-356	5.08		clear
4:20	.5	100	4.08	12.88	7.17	36.66	0.83	-389	7.48		clear
4:25	.5	100	4.09	12.65	7.17	36.39	0.81	-361	6.58		clear
4:30	.5	100	4.12	12.65	7.16	36.27	0.74	-360	5.60		clear
4:35	.5	100	4.11	12.2	7.14	36.24	0.71	-360	5.80		clear

4pm = 16:00

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
16:35	2GW46DS-03	1L Amber	4	None	SVOCs PAHs
16:35	2GW46DS-03	40 ml vial	2	H_2SO_4	TOC
16:35	2GW46DS-03	250ml poly	1	H_2SO_4	COD
16:35	2GW46DS-03	250 ml poly	1	None	Alkalinity SO4 TDS Cl
16:35	2GW46DS-03	1000 ml poly	1	None	TSS
16:35	2GW46DS-03	500 ml poly	2	HNO_3	Inorganics Total & Dissolved (FF)

Comments

Suzanne Whiteside
Signature

8-18-03
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A Landfill
Location: Groton CT
Well ID: 3-GW12D-03

Date: 8-20-03
Sampler: Suzanne Whiteside
PID Reading: 0.0

Start Time: 12:27 **End Time:** 13:12
Well Construction: 2" PVC
Depth to water: 5.59
Well Depth: 27.99
Water Column: 22.4
Total Volume Removed (L) 5.60

Field Testing Equipment

Make	Model	Serial #
INSITU	9600	030559
Geopump2		316
Lamotte turbidimeter		

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity (ppt)	color
12:32	.62	125	5.64	17.80	6.13	2.858	1.82	-22	37.5		clear
12:42	1.25	125	5.68	17.77	6.17	2.765	1.23	-16	29.1		clear
12:52	1.25	125	5.67	16.46	6.29	2.749	1.07	-11	21.1		clear
12:57	.62	125	5.62	16.44	6.30	2.738	1.01	-8	16.3		clear
13:02	.62	125	5.63	16.64	6.30	2.762	1.03	-6	14.5		clear
13:07	.62	125	5.62	16.45	6.31	2.7	1.02	-5	12.0		clear
13:12	.62	125	5.63	16.08	6.31	2.683	1.01	-3	12.0		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
13:15	3GW12D-03	1L Amber	4	None	SVOCs PAHs
13:15	3GW12D-03	40 ml vial	2	H_2SO_4	TOC
13:15	3GW12D-03	250 ml poly	1	H_2SO_4	COD
13:15	3GW12D-03	250 ml poly	1	None	Alkalinity SO4 TDS Cl
13:15	3GW12D-03	1000 ml poly	1	None	TSS
13:15	3GW12D-03	500 ml poly	2	HNO_3	Inorganics Total & Dissolved

Comments

Suzanne Whiteside
Signature

8-20-03
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A Landfill
Location: Groton CT
Well ID: 3GW37S-03

Date: 8-20-03
Sampler: Suzanne Whiteside
PID Reading: 0.0

Start Time: 14:35 **End Time:**
Well Construction:
Depth to water: 3.77
Well Depth: 8.13
Water Column: 4.53
Total Volume Removed (L) 5.2

Field Testing Equipment

Make	Model	Serial #
Insitu	9600	030559
Geopump 2		316
Lamotte	turbidimeter	

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity (ppt)	color
14:40	.75	150	3.94	17.41	6.47	1.402	2.66	2	16.3		cloudy/orange
14:50	1.25	125	4.14	16.40	6.46	1.298	1.64	45	14.0		clear
15:00	1.1	110	4.10	16.59	6.43	1.233	1.51	58	3.72		clear
15:10	1.1	110	4.11	16.61	6.46	1.225	1.58	65	1.82		clear
15:15	.5	100	4.03	16.55	6.43	1.224	1.50	67	1.23		clear
15:20	.5	100		16.48	6.43	1.217	1.48	68	1.25		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
15:22	3GW37S-03	1L Amber	4	None	SVOCs PAHs
15:22	3GW37S-03	40 ml vial	2	H_2SO_4	TOC
15:22	3GW37S-03	250 ml poly	1	H_2SO_4	COD
15:22	3GW37S-03	250 ml poly	1	None	Alkalinity Sulfide Cl
15:22	3GW37S-03	1000 ml poly	1	None	TSS
15:22	3GW37S-03	500 ml poly	2	HNO_3	Inorganics Total & Dissolved (F)

Comments

Suzanne Whiteside
Signature

8-20-03
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A Landfill
Location: Groton CT
Well ID: [redacted]-2-GW41DS-03

Date: 8-21-03
Sampler: Suzanne Whiteside
PID Reading: 0.0

Start Time: 8:26 End Time: 9:06
Well Construction: 2" PVC
Depth to water: 2.22
Well Depth: 16.1
Water Column: 13.88
Total Volume Removed (L) 4

Field Testing Equipment

Make	Model	Serial #
Insitu		030517
Geopump2		316
Lamotte Turbidimeter		

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity (ppt)	color
8:31	.5	100	3.54	13.44	7.19	23.45	1.83	-327	5.05		clear
8:41	1	100	4.65	13.74	7.18	21.71	1.78	-330	2.23		clear
8:51	1	100	3.50	13.73	7.18	20.01	1.77	-328	4.39		clear
8:56	.5	100	4.35	13.30	7.19	19.57	1.78	-326	4.88		clear
9:01	.5	100	4.57	13.26	7.20	19.02	1.79	-325	3.08		clear
9:06	.5	100	4.62	12.98	7.18	17.84	1.83	-324	3.32		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
9:08	2GW41DS-03	1L Amber	4	None	SVOCs PAHs
9:08	2GW41DS-03	40 ml vial	2	H_2SO_4	TOC
9:08	2GW41DS-03	250 ml poly	1	H_2SO_4	COD
9:08	2GW41DS-03	250 ml poly	1	None	Alkalinity SO4 TDS Cl
9:08	2GW41DS-03	1000 ml poly	1	None	TSS
9:08	2GW41DS-03	500 ml poly	2	HNO_3	Inorganics Total & Dissolved (F)

Comments

Suzanne Whiteside
Signature

8-21-03
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A Landfill
Location: Groton CT
Well ID: 2-GW205-03

Date: 8-21-03
Sampler: Suzanne Whiteside
PID Reading: 0.0

Start Time: 13:01 End Time: 13:41
Well Construction: 2" PVC
Depth to water: 13.85
Well Depth: 18.74
Water Column: 4.89
Total Volume Removed (L) 5

Field Testing Equipment

Make	Model	Serial #
INSITU		030510
Lamotte turbidimeter		
Geopump 2		319

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity (ppt)	color
13:06	1.00	200	14.11	19.25	5.86	0.9162	1.52	-42	24.9		clear
13:16	1.50	150	13.15	19.04	5.82	0.7696	1.40	-36	16.4		clear
13:26	1	100	14.20	19.07	5.85	0.6088	1.23	-31	12.9		clear
13:31	.5	100	[illegible]	18.47	5.89	0.5445	1.04	-29	10.6		clear
13:36	.5	100	14.14	18.75	5.90	0.5351	1.00	-29	8.21		clear
13:41	.5	100	14.21	18.35	5.91	0.4973	0.90	-27	8.09		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
13:43	2GW205-03	1 L Amber	4	None	SVOCs PAHs
13:43	2GW205-03	40 ml vial	2	H_2SO_4	TOCs
13:43	2GW205-03	250 ml poly	1	H_2SO_4	COD
13:43	2GW205-03	250 ml poly	1	None	Alkalinity SO4 TDS Cl
13:43	2GW205-03	1000 ml poly	1	None	TSS
13:43	2GW205-03	500 ml poly	2	~~None~~ HNO_3	Inorganics Total Dissolved F-

Comments

Suzanne Whiteside
Signature

8-21-03
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: AREA A Landfill
Location: Groton, CT.
Well ID: SG-24

Date: 8/15/03
Sampler: David C.
PID Reading: 0.0 ppm

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

Field Testing Equipment

Make	Model	Serial #
In-Situ	Troll 9000	030510

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity (ppt)	color
11:49	—	—	—	23.69	7.04	0.9982	0.56	-198	—	—	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
11:50	2-SW24-03	1 Liter amber	4	NONE	SVOC, PAH
11:50	2-SW24-03	500ml Poly	2	HNO_3	Total inorg./hardness, Diss. inorg.
11:50	2-SW24-03	40ml vial	2	H_2SO_4	TOC
11:50	2-SW24-03	250ml Poly	1	H_2SO_4	COD
11:50	2-SW24-03	250ml Poly	1	NONE	Alk., SO_4, TDS, Cl
11:50	2-SW24-03	1000ml Poly	1	NONE	TSS

Comments

Signature

8/15/03
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A Landfill
Location: Groton CT
Well ID: 2 SW23-03

Date: 8-15-03
Sampler: David J. Comeau
PID Reading: 0.0 ppm

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

Field Testing Equipment

Make	Model	Serial #
In-Situ	Troll 9000	030510

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity (ppt)	color
11:20	—	—	—	20.33	5.97	0.9509	0.66	-19	—	—	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
11:20	2SW23-03	40 ml vial	2	H_2SO_4	TOC
11:20	2SW23-03	500 ml poly	2	HNO_3	Inorganics Tot & Diss
11:20	2SW23-03	1 L Amber	4	None	SVOCs PAHs
11:20	2SW23-03	250 ml poly	1	H_2SO_4	None COD
11:20	2SW23-03	1 L poly	1	None	TSS
11:20	2SW23-03	250 ml poly	1	Alkalinity	SO4 TDS, CL

Comments

Signature

8/15/03
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A Landfill
Location: Groton CT
Well ID: 2-SW22-03

Date: 8-15-03
Sampler: Suzanne Whitesid
PID Reading: 0.0 ppm

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

Field Testing Equipment

Make	Model	Serial #
In Situ	Troll 9000	030510

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity (ppt)	color
11:05	–	–	–	18.52	6.46	0.5828	1.39	-95	–	–	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
11:05	2SW22-0	4 ml vial	2	H_2SO_4	TOX
11:05	2SW22-03	500 ml poly	2	HNO_3	Inorganics Total & Diss
11:05	2SW22-03	1 L Amber	4	None	SVOCs PAHs
11:05	2SW22-03	250 ml poly	2	H_2SO_4	COD
11:05	2SW22-03	1 L poly	1	None	TSS
11:05	2SW22-03	250 ml poly	1	None	Alkalinity SO4 TDS Cl

Comments

Suzanne Whitesicle
Signature

8-15-03
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area Landfill
Location: Groton CT
Well ID: 2SW21-03

Date: 8-15-03
Sampler: Suzanne Whiteside
PID Reading: 0.0 ppm

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

Field Testing Equipment

Make	Model	Serial #
InSitu	Troll 9000	030510

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity (ppt)	color
10:55	–	–	–	23.71	5.99	0.4028	6.11	-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
10:55	2SW21-03	40 ml vial	2	H_2SO_4	TOC
10:55	2SW21-03	500 ml poly	2	HNO_3	Inorganics Total & dissolved
10:55	2SW21-03	1L Amber	4	None	SVOCs PAHs
10:55	2SW21-03	250 ml poly	1	H_2SO_4	COD
10:55	2SW21-03	1L poly	1	None	TSS
10:55	2SW21-03	250 ml poly	1	None	Alkalinity SO4, TDS, CL

Comments

Suzanne Whiteside
Signature

8-15-03
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A Landfill
Location: Groton CT
Well ID: 2-SW20-03

Date: 8-15-03
Sampler: Suzanne Whiteside
PID Reading: 0.0 ppm

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

Field Testing Equipment

Make	Model	Serial #
In Situ	Troll 9000	030510

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity (ppt)	color
10:45	-	-	-	22.96	5.91	0.3406	1.65	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
10:45	2 SW20-03	40 ml vial	2	H_2SO_4	TOC
10:45	2 SW20-03	500 ml poly	2	HNO_3	Inorganics Total & dissolved (Fe)
10:45	2 SW20-03	1 L Amber	4	None	SVOCs, PAHs
10:45	2 SW20-03	250 ml poly	1	H_2SO_4	COD
10:45	2 SW20-03	1000 ml poly	1	None	TSS
10:45	2 SW20-03	250 ml poly	1	None	Alkalinity SO4 TDS CL

Comments

Suzanne Whiteside
Signature

8-15-03
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A- Land fill
Date: 8/15/03
Location: Groton, CT.
Sampler: David C.
Well ID: 3MSP01
PID Reading: 0.0ppm

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

Field Testing Equipment

Make	Model	Serial #
In-Situ	Troll 9000	030510

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity (ppt)	color
10:00	—	—	—	15.22	6.12	1.023	4.77	-9			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
9:45	3-SP01-03	1 liter amber	4	None	SVOC, PAH
9:45	3-SP01-03	500ml Poly	2	HNO_3	Total inorganics / hardness
					Dissolved inorganics (FF)
9:45	3SP01-03	40ml vial	2	H_2SO_4	TOC
9:45	3-SP01-03	250ml Poly	1	H_2SO_4	COD
9:45	3-SP01-03	250ml Poly	1	None	Alk., SO4, TDS, CL
9:45	3-SP01-03	1000ml poly	1	None	TSS

Comments

Signature

8/15/03
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: AREA A Land fill
Location: Groton CT.
Well ID: SG-18

Date: 8/15/03
Sampler: David C.
PID Reading: 0.0 ppm

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

Field Testing Equipment

Make	Model	Serial #
In-Situ	Troll 9000	030510

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity (ppt)	color
10:25	—	—	—	21.96	6.07	0.4114	2.23	-41	—	—	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
10:25	2-SW18-03	1 Liter amber	4	None	SVOC, PAH
10:25	2-SW18-03	500ml Poly	2	HNO_3	Total inorganics / hardness, Dis. inorg
10:25	2-SW18-03	40ml vial	2	H_2SO_4	TOC
10:25	2-SW18-03	250ml Poly	1	H_2SO_4	COD
10:25	2-SW18-03	250ml Poly	1	None	Alk., SO4, TDS, Cl
10:25	2-SW18-03	1000ml Poly	1	None	TSS

Comments

Signature

8/15/03
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area A landfill
Location: Groton CT
Well ID: 2-GW43DS

Date: 8-18-03
Sampler: Suzanne Whiteside
PID Reading: 0.0

Start Time: 12:18 **End Time:** 12:58
Well Construction: 2" PVC
Depth to water: 2.26
Well Depth: 15.84
Water Column: 13.58
Total Volume Removed (L) 4

Field Testing Equipment

Make	Model	Serial #
INSITU		
Lamotte	turbidimeter	
Geopump 2		319

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity (ppt)	color
12:23	.5	100	4.94	26.81	7.26	0.007	7.81	-271	10.32		clear/w particles
12:33	1	100	4.20	27.24	7.35	0.0049	7.54	-265	8.08		"
12:38	.5	100	4.27	27.37	7.45	0.0045	7.44	-240	8.24		clear
12:43	.5	100	4.29	15.67	6.88	27.89	2.19	-295	3.94		clear
12:48	.5	100	3.98	15.15	7.05	25.25	0.97	-330	5.55		clear
12:53	.5	100	3.98	15.15	7.09	25.03	0.84	-336	5.38		clear
12:58	.5	100	4.12	15.15	7.13	24.95	0.77	-336	5.66		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
12:58	2GW43DS-03	1 L Amber	4	NoAC	SVOCs, PAHs
12:58	2GW43DS-03	40 ml vial	2	$HPSO_4$	TOC
12:58	2GW43DS-03	250 ml poly	1	H_2SO_4	COD
12:58	2GW43DS-03	250 ml poly	1	None	Alkalinity SO4 TDS Cl
12:58	2GW43DS-03	1000 ml poly	1	None	TSS
12:58	2GW43DS-03	500 ml poly	2	HNO3	Inorganics Total & Dissolved Hardness FE
00:00	FD-081803-03(2)	→ same containers & Analyses as above			

Comments

hose became disconnected from Insitu @ 12:38
reconnected & continued

Suzanne Whiteside
Signature

8-18-03
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: AREA-A Landfill
Location: Groton CT.
Well ID: SG-19

Date: 8/18/03
Sampler: David C.
PID Reading: 0.0 ppm

Start Time: 14:25 **End Time:** —
Well Construction: Surface water
Depth to water: —
Well Depth: —
Water Column: —
Total Volume Removed (L) —

Field Testing Equipment

Make	Model	Serial #
In-Situ	Troll 9000	30517

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity (ppt)	color
14:25	—	—	—	20.23	7.01	0.739	2.77	-127	—	—	—
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
14:25	2-SW19-03	1 Liter amber	4	None	SVOC, PAH
14:25	2-SW19-03	500 ml Poly	2	HNO_3	Total organ. /hardness, Diss. inorg
14:25	2-SW19-03	250 ml poly	1	H_2SO_4	COD
14:25	2-SW19-03	250 ml Poly	1	None	Alkalinity, SO4, TDS, Cl
14:25	2-SW19-03	1000 ml Poly	1	None	TSS
14:25	2-SW19-03	40 ml vial	2	H_2SO_4	TOC
00:00	FD-081803-03				
~~Duplicate~~					
14:25	MS/MSD-1-2-SW19-03				same containers & analyses as above.
14:25	MS/MSD-2-2-SW19-03				

Signature

8/18/03
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: AREA-A Landfill
Location: Groton, CT.
Well ID: 2WMW42DS

Date: 8/18/03
Sampler: David C.
PID Reading: 0.0ppm

Start Time: 12:00 **End Time:** 13:08
Well Construction: 2" PVC Peristaltic
Depth to water: 1.96'
Well Depth: 16.24'
Water Column: 14.28
Total Volume Removed (L) 7.17

Field Testing Equipment

Make	Model	Serial #
In-Situ	Troll 9000	30517
GeoPump 2	Peristaltic	316
Hach	Turbidimeter	3655-3802
water level indicator		16763

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	~~Salinity (ppt)~~	color
12:08	0.84	105	3.03	16.39	6.92	53.26	2.97	-342	4.28	—	clear
12:20	1.26	105	4.37	14.62	7.24	46.01	2.48	-351	4.46	-	clear
12:30	1.05	105	5.45	14.81	7.30	38.74	2.43	-346	2.69	-	clear
12:40	1.05	105	7.65	14.90	7.18	28.78	2.43	-335	2.49	-	clear
12:50	1.05	105	8.97	13.84	7.11	25.45	2.39	-334	2.67	-	clear
12:53	0.32	105	9.38	13.78	7.10	24.89	2.41	-346	3.54	-	clear
12:56	0.32	105	9.62	13.51	7.09	22.86	2.42	-351	4.21	-	clear
12:59	0.32	105	10.06	13.51	7.09	22.32	2.42	-364	5.07	-	clear
13:02	0.32	105	10.35	13.19	7.12	21.12	2.43	-382	13.10	-	Bl
13:05	0.32	105	10.68	13.28	7.15	20.04	2.37	-414	22.23	-	Black
13:08	0.32	105	10.84	13.38	7.11	19.01	2.32	-417	24.47	-	Black
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
13:08	2-GW42DS-03	1 Liter amber	4	NONE	SVOC, PAH
13:08	2-GW42DS-03	500ml Poly	2	HNO_3	Total inorgan./hardness, Diss. inorg
13:08	2-GW42DS-03	250ml poly	1	Na_2SO_4	COD
13:08	2-GW42DS-03	250ml poly	1	NONE	Alkalinity, SO4, TDS, CL
13:08	2-GW42DS-03	1000ml poly	1	NONE	TSS
13:08	2-GW42DS-03	40ml vial	2	N_2SO_4	TOC

~~Duplicate~~ ~~2-GW42DS-03~~ ~~Same Containers & Analysis as above~~
~~MS/MSD 2-GW42DS-03~~
~~MS/MSD 2-GW42DS-03~~

Signature 8/18/03 Date

13:08 MS/MSD-1-2GW42DS-03
13:08 MS/MSD-2-2GW42DS-03 > Same containers & Analysis as above

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area-A Landfill
Location: Groton CT.
Well ID: 2WMW40DS

Date: 8/19/03
Sampler: David C.
PID Reading: 0.0ppm

Start Time: 15:29 **End Time:** 16:10
Well Construction: 2" PVC Peristaltic
Depth to water: 3.12'
Well Depth: 16.60
Water Column: 13.48'
Total Volume Removed (L) 4.4

Field Testing Equipment

Make	Model	Serial #
In-Situ	Troll 9000	30517
Lamotte	Turbidimeter	3655-3802
water level	indicator	16760
Geopump²	Peristaltic	318

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity (ppt)	color
15:35	0.9	150	4.40	13.33	6.91	28.12	2.59	-325	11.5	—	clear
15:45	1	100	5.85	14.00	7.16	26.12	1.78	-349	4.3	-	clear
15:55	1	100	6.74	13.54	7.22	24.36	1.77	-347	2.94	-	clear
16:00	0.5	100	7.36	13.57	7.22	22.60	1.73	-346	2.22	-	clear
16:05	0.5	100	7.95	13.42	7.23	21.42	1.70	-344	2.31	-	clear
16:10	0.5	100	8.31	13.04	7.23	20.	1.69	-343	2.51	-	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
16:10	2-GW40DS-03	1 Liter amber	4	NONE	SVOC, PAH
16:10	2-GW40DS-03	500ml Poly	2	HNO3	Total Nitrogen, hardness, Diss. inorganics (FF)
16:10	2-GW40DS-03	250ml Poly	1	H2SO4	COD
16:10	2-GW40DS-03	250ml Poly	1	NONE	Alk, SO4, TDS, Cl
16:10	2-GW40DS-03	1000ml Poly	1	NONE	TSS
16:10	2-GW40DS-03	40ml vial	2	H2SO4	TOC

Comments

Signature

8/19/03
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: AREA-A Landfill
Location: Groton CT
Well ID: 2WMW38DS

Date: 8/20/03
Sampler: David C.
PID Reading: 0.0ppm

Start Time: 13:00 **End Time:** 13:35
Well Construction: 2" PVC peristaltic
Depth to water: 6.62'
Well Depth: 11.81'
Water Column: 5.19'
Total Volume Removed (L) 3.85

Field Testing Equipment

Make	Model	Serial #
In-Situ	Troll 9000	30510
Lamotte	Turbidimeter	3594-3502
water level indicator		16760
Geopump 2	Peristaltic	318

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity (ppt)	color
13:05	0.55	110	7.05	20.34	6.48	6.198	3.65	-75	1.66	—	clear
13:15	1.1	110	7.83	18.12	6.42	5.927	1.43	-59	1.51	-	clear
13:25	1.1	110	8.60	18.27	6.40	5.944	1.44	-71	0.86	-	clear
13:30	0.55	110	9.01	18.51	6.37	6.502	1.35	-80	1.37	-	clear
13:35	0.55	110	9.44	19.01	6.40	6.781	1.27	-90	0.98	-	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
13:35	2-GW38DS-03	1 Liter amber	4	NONE	SVOC, PAH
13:35	2-GW38DS-03	500ml Poly	2	HNO3	Total inorgan. / hardness, diss. inorganic
13:35	2-GW38DS-03	250ml Poly	1	H2SO4	COD
13:35	2-GW38DS-03	250ml Poly	1	NONE	Alk., SO4, TDS, Cl
13:35	2-GW38DS-03	1000ml Poly	1	NONE	TSS
13:35	2-GW38DS-03	40ml vial	2	H2SO4	TOC

Comments

Signature

8/20/03
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: AREA-A Landfill
Location: Groton CT
Well ID: 2WMW39DS

Date: 8/20/03
Sampler: David C.
PID Reading: 0.0ppm

Start Time: 14:18 **End Time:** 14:42
Well Construction: 2" PVC peristaltic
Depth to water: 3.03'
Well Depth: 16.87'
Water Column: 13.84'
Total Volume Removed (L) 2.4

Field Testing Equipment

Make	Model	Serial #
In-situ	Troll 9000	30510
Lamotte	Turbidimeter	3594-3502
water level	indicator	16760
Geopump 2	Peristaltic	318

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity (ppt)	color
14:22	0.4	100	3.57	17.90	6.59	21.07	1.71	-135	156	-	[redacted] cl
14:32	1	100	4.86	16.05	6.37	19.67	1.14	-114	14.8	-	clear
14:37	0.5	100	5.25	16.58	6.34	19.69	1.06	-113	7.33	-	clear
14:42	0.5	100	5.60	16.73	6.32	19.61	1.04	-112	3.36	-	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
14:42	2-GW39DS-03	1 liter amber	4	NONE	SVOC, PAH
14:42	2-GW39DS-03	500ml Poly	2	HNO_3	Total inorgan./hardness, DISS. inorgan. (F
14:42	2-GW39DS-03	250ml Poly	1	H_2SO_4	COD
14:42	2-GW39DS-03	250ml Poly	1	NONE	ALK., SO4, TDS, Cl
14:42	2-GW39DS-03	1000ml Poly	1	NONE	TSS
14:42	2-GW39DS-03	40ml vial	2	H_2SO_4	TOC

Comments

Signature

8/20/03
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Area-A Landfill
Location: Groton CT.
Well ID: 4MW15

Date: 8/21/03
Sampler: David C.
PID Reading: 0.0ppm

Start Time: 8:29 **End Time:** 9:15
Well Construction: 2" PVC Peristaltic
Depth to water: 9.36'
Well Depth: 20.19'
Water Column: 10.83'
Total Volume Removed (L) 7.82

Field Testing Equipment

Make	Model	Serial #
In-Situ	Troll 9000	30510
Lamotte	Turbidimeter	3655-3802
water level	indicator	16763
Geopump²	Peristaltic	318

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity (ppt)	color
8:35	1.02	170	9.40	15.74	4.80	0.2266	6.09	266	0.51	—	clear
8:45	1.7	170	9.40	15.78	5.09	0.2252	5.82	266	0.00	—	clear
8:55	1.7	170	9.41	15.84	5.27	0.2276	5.89	265	0.00	-	clear
9:05	1.7	170	9.41	15.90	5.32	0.2269	5.89	274	0.00	-	clear
9:10	0.85	170	9.41	15.95	5.34	0.2245	5.83	276	0.00	-	clear
9:15	0.85	170	9.41	15.76	5.36	0.2248	5.81	275	0.00	-	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
9:15	4-GW15-03	1 liter amber	4	NONE	SVOC, PAH
9:15	4-GW15-03	500ml Poly	2	HNO_3	Total inorgs, Hardness, Diss. inorgs
9:15	4-GW15-03	250ml Poly	1	H_2SO_4	[redacted] COD
9:15	4-GW15-03	250ml Poly	1	NONE	Alk., [redacted] SO4, TDS, Cl
9:15	4-GW15-03	1000ml Poly	1	NONE	TSS
9:15	4-GW15-03	40ml vial	2	H_2SO_4	TOC

Comments

Signature

8/21/03
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: AREA-A Landfill
Location: Groton CT.
Well ID: 2WMW21S

Date: 8/21/03
Sampler: David C.
PID Reading: 0.0 ppm

Start Time: 10:16 **End Time:** 11:15
Well Construction: 2" PVC Peristaltic
Depth to water: 4.38'
Well Depth: 17.15'
Water Column: 12.77'
Total Volume Removed (L) 8.01

Field Testing Equipment

Make	Model	Serial #
In-Situ	Troll 9000	30510
Lamotte	Turbidimeter	3655-3802
water level	indicator	16763
Geopump 2	Peristaltic	318

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity (ppt)	color
10:20	0.76	190	5.55	15.13	7.08	35.59	1.53	-334	11.9	-	Cloudy
10:30	1.7	170	5.89	15.61	7.15	34.15	0.99	-349	4.80	-	Clear
10:40	1.7	170	6.33	15.39	7.15	32.34	0.94	-353	4.42	-	Clear
10:50	1.1	110	6.19	15.15	7.14	32.54	0.91	-348	4.05	-	Clear
11:00	1.1	110	6.03	16.67	7.09	31.43	0.85	-344	4.09	-	Clear
11:05	0.55	110	5.96	16.51	7.08	31.07	0.87	-342	4.15	-	Clear
11:10	0.55	110	5.95	16.69	7.07	30.77	0.87	-344	4.30	-	clear
11:15	0.55	110	5.93	16.59	7.07	30.05	0.81	-345	4.90	-	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	2-GW21S-03	1 Liter amber	4	NONE	SVOC, PAH
11:15	2-GW21S-03	500ml Poly	2	HNO_3	Total inorgan./hardness, Diss. inorg
11:15	2-GW21S-03	250ml Poly	1	H_2SO_4	COD
11:15	2-GW21S-03	250ml Poly	1	NONE	ALK, SO4, TDS, Cl
11:15	2-GW21S-03	1000ml Poly	1	NONE	TSS
11:15	2-GW21S-03	40ml vial	2	H_2SO_4	TOC

Comments

Signature

8/21/03
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

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

Date: 8/20/03
Sampler: Fred Santos
PID Reading: 0.0

Start Time: 0855 **End Time:** 0940
Well Construction: 2" PVC
Depth to water: 1.52
Well Depth: 16.30
Water Column: 14.78
Total Volume Removed (L) 4.4

Field Testing Equipment

Make	Model	Serial #
Insitu	Troll 9000	030510
Geotech	Geopump	318
LaMotte	Turbidimeter	3578 -3500
Slope Indicator		16760

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity (ppt)		color
0900	0.5	100	2.56	26.0	6.74	0.0124	3.26	-197	2.3			Clear
0910	1.0	100	3.27	30.42	6.51	211.9	1.19	-296	0.05			Clear
0915	0.5	100	3.77	16.78	7.03	212.4	0.99	-301	0.18			Clear
0920	0.5	100	4.03	16.86	6.95	185.7	0.97	-298	0.10			Clear
0925	0.5	100	4.41	16.93	6.85	168.8	0.97	-301	0.11			Clear
0930	0.5	100	4.73	16.71	6.85	148.2	0.92	-310	0.05			Clear
0933	0.3	100	4.78	17.03	6.75	141.8	0.87	-313	0.01			Clear
0936	0.3	100	4.81	17.08	6.75	139.1	0.92	-315	0.05			Clear
0939	0.3	100	4.90	17.58	6.71	128.6	0.88	-325	0.16			Clear
Acceptance Criteria:			< 0.3 ft	3%	± 0.1	3%	10%	±10mv	10%			

FS

2" screen volume = 0.163 gal/ft or 618 ml per foot

Sample Collection

* Time	Sample ID	Container	# of Bottles	Preservative	Analyses
0940	2-GW47DS-03	1 Liter Amber	4	None	SVOC / PAH
0940	2-GW47DS-03	500ml Poly	2	HNO_3	Total/Dissolved Metals (FF)
0940	2-GW47DS-03	250ml Poly	2	H_2SO_4/None	COD/ NH3, SO4, TDS, Cl
0940	2-GW47DS-03	1 Liter Poly	1	None	TSS
0940	2-GW47DS-03	40ml vial	2	H_2SO_4	TOC
0940	2-GW47DS-03 MS/MSD (same as above)				

Comments* Collected Field Dup and MS/MSD
Field Dup ID = FD-082003-03A

Signature

8/20/03
Date

INSTRUMENT CALIBRATION LOG

Project/Site Name NSB - New London **Calibrated By** Fred Santos

Instrument/Serial Number	Pre-calibration Reading	Post-calibration Reading	Calibration Gas/Concentration	Date
Photovac 20/20 PID ED MF 333	97.4	101.3	Isobutylene / 100ppm	8/12/03
Photovac 20/20 PID ED MF 333	98.5	100.8	Isobutylene / 100ppm	8/13/03
Photovac 20/20 PID ED MF 333	99.7	96.1	Isobutylene / 100ppm	8/14/03
Photovac 20/20 PID ED MF 333	102.8	98.1	Isobutylene / 100ppm	8/15/03
Photovac 20/20 PID ED MF 333	93.5	92.9	Isobutylene / 100ppm	8/18/03
Photovac 20/20 PID ED MF 333	97.6	98.7	Isobutylene / 100ppm	8/19/03
Photovac 20/20 PID ED MF 333	98.1	96.4	Isobutylene / 100ppm	8/20/03
Photovac 20/20 PID ED MF 333	97.7	95.3	Isobutylene / 100ppm	8/21/03
Photovac 20/20 PID			Isobutylene / 100ppm	
Photovac 20/20 PID			Isobutylene / 100ppm	
Photovac 20/20 PID			Isobutylene / 100ppm	
Photovac 20/20 PID			Isobutylene / 100ppm	

INSTRUMENT CALIBRATION LOG

Project/Site Name NSB- NewLondon **Calibrated By** Fred Santos

Instrument/Serial Number	Pre-cal 0 (NTU)	Pre-cal 10 (NTU)	Post-cal 0 (NTU)	Post-cal 10 (NTU)	Date
Lamotte Turbidimeter 3578-3502	0.0	10.0	0.0	10.0	8/18/03
Lamotte Turbidimeter 3655-3802	0.15	10.0	0.0	10.0	8/18/03
Lamotte Turbidimeter 3594-3502	0.0	10	0.05	9.9	8/18/03
Lamotte Turbidimeter 3578-3502	0.05	9.8	0.20	10.0	8/19/03
Lamotte Turbidimeter 3655-3802	0.0	10.24	0.0	10.15	8/19/03
Lamotte Turbidimeter 3594-3502	0.0	10.0	0.0	10.0	8/19/03
Lamotte Turbidimeter 3594-3502	0.0	10.0	0.0	10.0	8/20/03
Lamotte Turbidimeter 3655-3802	0.0	9.4	0.0	10.17	8/20/03
Lamotte Turbidimeter 3578-3502	0.0	10.22	0.0	10.05	8/20/03
Lamotte Turbidimeter					
Lamotte Turbidimeter					
Lamotte Turbidimeter					
Lamotte Turbidimeter					

INSTRUMENT CALIBRATION LOG

Project/Site Name Area A **Date** 8/15/03 **Weather** 90's Hot/Humid

Calibrated By Fred Santos **Instrument** Insitu 9000 **Serial Number** R08771

Parameters	Pre-calibration Reading	Post-calibration Reading	Temperature °C	Comments
Conductivity	1.013	1.068	15.01	
pH (7)	7.30	7.09	14.58	
pH (4)	3.92	4.13	14.55	
pH (10)	9.84	9.96	15.46	
ORP	253	251	15.16	
Dissolved Oxygen	104.5	103.1	15.92	
Barometric Pressure	772			

INSTRUMENT CALIBRATION LOG

Project/Site Name Area A **Date** 8/15/03 **Weather** 90's Hot/Humid

Calibrated By Fred S **Instrument** Insitu 9000 **Serial Number** 30517

Parameters	Pre-calibration Reading	Post-calibration Reading	Temperature °C	Comments
Conductivity	0.925	1.008	15.14	
pH (7)	7.45	7.34	14.78	
pH (4)	4.08	3.99	14.74	
pH (10)	9.76	10.22	15.53	
ORP	249	255	13.78	
Dissolved Oxygen	106.3	103.4	15.94	
Barometric Pressure	774			

INSTRUMENT CALIBRATION LOG

Project/Site Name Area A **Date** 8/18/03. **Weather** 90's Hot/Humid

Calibrated By Fred S **Instrument** Insitu 9000 **Serial Number** 30559

Parameters	Pre-calibration Reading	Post-calibration Reading	Temperature °C	Comments
Conductivity	1.009	1.067	14.94	
pH (7)	7.14	7.22	14.91	
pH (4)	4.15	4.21	14.89	
pH (10)	10.90	10.08	15.64	
ORP	251	249	13.04	
Dissolved Oxygen	97.4	103.7		
Barometric Pressure	771			

INSTRUMENT CALIBRATION LOG

Project/Site Name Area A **Date** 8/18/03 **Weather** 80°s Partly Cloudy

Calibrated By Fred S **Instrument** Insitu 9000 **Serial Number** 30778

Parameters	Pre-calibration Reading	Post-calibration Reading	Temperature °C	Comments
Conductivity	1.219	1.001	10.44	
pH (7)	7.40	7.30	10.26	
pH (4)	3.68	4.06	10.19	
pH (10)	9.54	9.92	10.31	
ORP	201	248	11.06	
Dissolved Oxygen	103.7	115	10.74	
Barometric Pressure	770			

INSTRUMENT CALIBRATION LOG

Project/Site Name Area A **Date** 8/19/07 **Weather** Sunny 75°

Calibrated By Fred Santos **Instrument** Insitu 9000 **Serial Number** 30842

Parameters	Pre-calibration Reading	Post-calibration Reading	Temperature °C	Comments
Conductivity	1.021	1.013	15.04	
pH (7)	7.27	7.11	14.72	
pH (4)	3.89	4.13	14.69	
pH (10)	9.81	9.99	15.46	
ORP	252	246	13.21	
Dissolved Oxygen	119.1	118.8	14.90	
Barometric Pressure	773			

INSTRUMENT CALIBRATION LOG

Project/Site Name Area A **Date** 8/19/07 **Weather** Sunny 75°

Calibrated By F Santos **Instrument** Insitu 9000 **Serial Number** 30559

Parameters	Pre-calibration Reading	Post-calibration Reading	Temperature °C	Comments
Conductivity	1.097	1.179	17.91	
pH (7)	7.29	7.09	17.90	
pH (4)	4.12	4.23	17.92	
pH (10)	9.99	10.10	18.11	
ORP	243	250	16.11	
Dissolved Oxygen	102.7	117.1	18.34	
Barometric Pressure	759			

INSTRUMENT CALIBRATION LOG

Project/Site Name Area A / DRMO **Date** 8/20/03 **Weather** Sunny 85°

Calibrated By Fred S **Instrument** Inst 9000 **Serial Number** 30559

Parameters	Pre-calibration Reading	Post-calibration Reading	Temperature °C	Comments
Conductivity	1.075	1.160	17.73	
pH (7)	7.13	6.97	17.71	
pH (4)	4.0	4.08	17.73	
pH (10)	9.88	9.91	17.98	
ORP	230	238	15.77	
Dissolved Oxygen	101.1	107.1	18.14	
Barometric Pressure	756			

INSTRUMENT CALIBRATION LOG

Project/Site Name Area A/ DRMO **Date** 8/20/07 **Weather** 85° Sunny

Calibrated By Fred Sanchez **Instrument** Insitu 9000 **Serial Number** 30842

Parameters	Pre-calibration Reading	Post-calibration Reading	Temperature °C	Comments
Conductivity	1.021	1.040	18.08	
pH (7)	7.01	7.30	17.76	
pH (4)	3.59	4.01	17.76	
pH (10)	9.40	9.97	17.71	
ORP	232	238	15.92	
Dissolved Oxygen	105.3	98.1	18.51	
Barometric Pressure	751.8			

INSTRUMENT CALIBRATION LOG

Project/Site Name Area A/ Demo **Date** 8/20/03 **Weather** 85° Sunny

Calibrated By Fred J **Instrument** Insitu 7000 **Serial Number** 30778

Parameters	Pre-calibration Reading	Post-calibration Reading	Temperature °C	Comments
Conductivity	F) ~~7.44~~ 0.990	1.044	18.71	
pH (7)	7.41	7.22	18.01	
pH (4)	3.71	4.15	17.91	
pH (10)	9.49	10.17	18.17	
ORP	240	248	16.17	
Dissolved Oxygen	107.2	99.8	18.24	
Barometric Pressure	758			

INSTRUMENT CALIBRATION LOG

Project/Site Name Area A **Date** 8/21/07 **Weather** 85° Sunny

Calibrated By Fred J **Instrument** Insitu 9000 **Serial Number** B0771

Parameters	Pre-calibration Reading	Post-calibration Reading	Temperature °C	Comments
Conductivity	1.068	1.018	18.50	
pH (7)	7.07	7.10	17.57	
pH (4)	3.89	3.89	17.38	
pH (10)	9.88	9.88	17.95	
ORP	229	239	12.39	
Dissolved Oxygen	95.1	86.1	18.67	
Barometric Pressure	754			

INSTRUMENT CALIBRATION LOG

Project/Site Name Area A **Date** 8/21/03 **Weather** Sunny 85°

Calibrated By Fred > **Instrument** Insitu 9000 **Serial Number** 30778

Parameters	Pre-calibration Reading	Post-calibration Reading	Temperature °C	Comments
Conductivity	1.083	1.031	18.69	
pH (7)	7.20	7.31	17.72	
pH (4)	3.99	3.92	17.52	
pH (10)	10.02	10.08	18.13	
ORP	239	251	12.55	
Dissolved Oxygen	97.9	98.7	18.81	
Barometric Pressure	758			

APPENDIX E

Data Validation Memos and Laboratory Analytical Results

AREA A

MASTER DATA VALIDATION MEMORANDUM

AUGUST 2003 SAMPLING ROUND 13

TO: ENGINEERING FIELD ACTIVITY NORTHEAST

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

SUBJECT: NEW LONDON NSB – IRP O&M MONITORING - SAMPLING ROUND 13

DATE: 31 DECEMBER 2003

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.

Presented in this Master Data Validation Memorandum are the data validation reports for the 8 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:: Samples with GW or MW in sample nomenclature - Groundwater.
Sample Matrix:: Samples with SG or SW in sample nomenclature – surface water.
Sample Matrix:: Sample with SP in sample nomenclature – seep water.
The project's analytical samples were grouped in the SDGs and analyzed for the parameters listed in Table 1. Data validation reports are prepared for each SDG.

Table I Sample Data Groups

Sample Data Groups	Sample Name	SVOCs 8270C	PAHs 8270C -SIM	Metals (totals) 6010B/ 7470A	Metals (dissolved) 6010B/ 7470	Water Quality Parameters
2-GW38DS-03	L0308385-01	X	X	X	X	X
2-GW45DS-03	L0308385-02	X	X	X	X	X
2-GW44DS-03	L0308385-03	X	X	X	X	X
2-GW12D-03	L0308385-04	X	X	X	X	X
2-GW37S-03	L0308385-05	X	X	X	X	X
2-GW42DS-03	L0308385-06	X	X	X	X	X
2-GW1S-03	L0308385-07	X	X	X	X	X
2-GW21S-03	L0308385-08	X	X	X	X	X
2-GW41DS-03	L0308385-09	X	X	X	X	X
2-GW40DS-03	L0308385-10	X	X	X	X	X
2-GW20S-03	L0308385-11	X	X	X	X	X
2-GW47DS-03	L0308333-01	X	X	X	X	X
FD-082003-03A	L0308333-02	X	X	X	X	X
2-GW39DS-03	L0308333-03	X	X	X	X	X
2-GW43DS-03	L0308246-01	X	X	X	X	X
2-GW46DS-03	L0308246-02	X	X	X	X	X
2-SW19-03	L0308246-03	X	X	X	X	X
FD-081803-03	L0308246-04	X	X	X	X	X
2-GW42DS-03	L0308246-05	X	X	X	X	X
FD-081803-03(2)	L0308246-06	X	X	X	X	X
2-SW18-03	L0308146-01	X	X	X	X	X
3-SP01-03	L0308146-02	X	X	X	X	X
2-SW21-03	L0308146-03	X	X	X	X	X

Sample Data Groups	Sample Name	SVOCs 8270C	PAHs 8270C -SIM	Metals (totals) 6010B/ 7470A	Metals (dissolved) 6010B/ 7470	Water Quality Parameters
2-SW20-03	L0308146-04	X	X	X	X	X
2-SW22-03	L0308146-05	X	X	X	X	X
2-SW23-03	L0308146-06	X	X	X	X	X
2-SW24-03	L0308146-07	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
CRI	standard at RL for ICP
CVAA	Cold vapor atomic absorption
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

Acronym / Abbreviation	Definition
IRP	Installation restoration program
IS	Internal standards
LCL	Lower control limit
LCS	Laboratory control sample
MeCl	Methylene chloride
MS	Matrix spike
MSD	Matrix spike duplicate
MPC	Measurement performance criteria
NA	Not applicable
NC	Not calculated.
NSB	Naval Submarine Base
O&M	Operations and Maintenance
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
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
O&M MONITORING SITES – NEW LONDON NSB
AUGUST 2003 SAMPLING ROUND (SDG 0308146 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-AUGUST 2003

DATE: 22 DECEMBER 2003

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 #:__0308146_____
EPA-NE DV TIER LEVEL:___II___
SITE NAME: New London NSB – O&M

# of SAMPLES/MATRIX:___7-SW
VALIDATION CONTRACTOR:__ECC
VALIDATOR'S NAME: Jackson Kiker
DV Completion Date:_22 December 2003
Date Sampled__15 August 2003_____

ANALYTICAL DATA QUALITY SUMMARY

		PAH	SVOC	Metals
1	Preservation and HT	M	M	M
2	Instrument Performance Check	O	O	O
3	Initial Calibration:	O	O	O
4	Continuing Calibration:	O	M	O
5	Blanks:	O	M	M
6	Surrogate Compounds:	M	O	-
7	Internal Standards	O	O	-
8	Matrix Spike/Matrix Spike Duplicate:	O	M	M
9	Sensitivity Check:	O	O	O
10	PE Samples- Accuracy Check	M	M	O
11	Target Compound Identification:	O	O	O
12	Compound Quantitation and Reported QLs	O	O	M
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): None

AREAS OF CONCERN: (M items): _.
All methods: sample receipt temperature >6C in one cooler. All sample results qualified.

Metals: Metals MS %R>UCL for As, Se, and Hg. As and Hg qualified in samples. Preparation/method blank metals qualified on the basis of blank contamination; Dissolved elements-Sb, Co, Cu, Mo, K, and Ag in select samples; Total metals: Sb, Mo, and K. CCB: Sb, Be, Cd, Co, and Mo, ICB: Ba, Be, Co, V, Mo results qualified U in select samples. Samples qualified had results <selected groundwater criterion.

SVOC: LCS %R<LCL for 2,4 dichlorophenol, 1,2 dichlorobenzene, 1,3 dichlorobenzene, 1,4 dichlorobenzene, hexachloroethane, nitrobenzene, NDPA/DPA, 2,4 dichlorophenol, 2,4 dimethylphenol, and phenol. SVOC CCV: %D<MPC for hexachlorocyclopentadiene, bis(2-chloroisopropyl)ether. SVOC method blank; 2-bis(ethylhexyl)phthalate detected in the method blank. SVOC MS %R<LCL for 2,4 dimethylphenol. SVOC MS/MSD RPD>40% for 3,3'dichlorobenzidiene.

PAH: Surrogate 2-fluorobiphenyl low in one sample. PAH LCS %R<LCL for 2-chloronaphthalene, naphthalene, acenaphthalyne, and 2-methylnaphthalene.

COMMENTS: The lead method reporting limit and method detection limit are greater than the selected groundwater criterion.

ECC Region I Data Review Worksheet (rv 2) **SVOCs 8270C**
Project: New London 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: 10, 3.7, 3.1, 1.6 & 9 °C.**	**Alpha Laboratory Westborough, MA**	**0308146**

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
2-SW18-03	L0308146-01
2-SP01-03	L0308146-02
2-SW21-03	L0308146-03
2-SW20-03	L0308146-04
2-SW22-03	L0308146-05
2-SW23-03	L0308146-06
2-SW24-03	L0308146-07

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	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects 3) preserved per method (amber bottles, temperature. J, UJ, or R (function of HT and compound)	Cooler temperature >6C. Sample preservation by refrigeration is above temperature limits in one cooler. From the COC, the impacted samples are not apparent; therefore, all sample results are qualified Sample custody transferred from Field Team Leader to lab sample courier. Unbroken Chain of Custody.	X	J detects UJ non-detect in all samples.	
Holding Time	1) 7 Days aqueous – 14 days soil (extract 40 days) 2) J –detects, UJ or R –nondetects (function of time)	Date sent: 08/15/03 Date extracted: 08/18/03 Date Analysed: 08/30/03 & 08/31/03. 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 less than the MRL but greater than the MDL are qualified as estimated (J). See data summary table.	X	J	
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. No samples qualified.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
Equip Blank	< 5x (<10x common) contaminants for aq samples – for soil indicate EB (X rules don't apply)	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. No samples qualified.	X	-	
Lab Blanks (method	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, except for 2-bis(ethylhexyl)phthalate (2-BEHP). 2-BEHP level in the method blank: 3.6. Detections less than <36 2-BEHP are qualified U. Sample qualification did not impact comparability with project groundwater criterion.	x	2-BEHP qualified U in all samples.	
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	LCS %R<LCL for the following SVOCS: 2,4 dichlorophenol, 1,2 dichlorobenzene, 1,3 dichlorobenzene, 1,4 dichlorobenzene, hexachloroethane, nitrobenzene, NDPA/DPA, 2,4 dichlorophenol, 2,4 dimethylphenol, and phenol	X	J qualify detects and UJ qualify non-detects for these SVOCs in all samples; 2,4 dichlorophenol, 1,2 dichlorobenzene, 1,3 dichlorobenzene, 1,4 dichlorobenzene, hexachloroethane, nitrobenzene, NDPA/DPA, 2,4	
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; Lab ID 0308146-01) 2,4 dimethylphenol MS %R<LCL.	x	2,4 dimethylphenol qualified UJ in all samples.	
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	NA	-	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
MS/MSD RPD	RPD =40% aq, <50% (S) J –detects in MS sample UJ-non detects	Within MPC limits, except for 3'3 dichlorobenzidine.	X	-3'3 dichlorobenzidine qualified UJ in all samples.	
Tune Check	Tune check within method parameters for DFTPP	Ical tune check within limits. 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 not collected/analyzed with this SDG. Field sample: 2-SW19-03 (SDG 0308246-04) and field duplicate sample: FD-081803-03 (SDG 0308246-04). See attached sheet. All FD RPDs for 2-BEHP within limits. No samples qualified. Overall precision is acceptable.	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 Date: 08 August 2003 RRF>0.05 all SVOCs. RSD<15% and/or COD>0.99 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 Buffy Date: 09 August 2003 4-chloroaniline and 2,4 dimethylphenol have %D>20% but less than 25%. 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)	CCV . %D<MPC for all SVOCs, except for hexachlorocyclopentadiene, bis(2-chloroisopropyl)ether.	X	J detects and UJ non-detects for hexachlorocyclopentadiene, bis(2-chloroisopropyl)ether, in all	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
	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)			samples.	
Compound Quantitation	1) Check sensitivy (MDL< 1/3 PQL or per QAPP	Compounds of concern have MRLs < than the groundwater criterion.	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 for all compounds. No apparent sample bias. Results are usable for making project decisions and have been reconciled with project objectives. All sample results qualified on the basis on the sample refrigeration. One cooler temperature was reported at 10C. Samples in the cooler exceeding the temperature criteria could not be determined, so all samples were qualified. Method blank; non-detect for all SVOCs, except 2-BEHP. 2-BEHP results that were qualified were below the groundwater criterion. ICAL; linear. ICV: within limits for all SVOCs CCV : in limits for 2-BEHP (the site compound of concern). Sampling error- Field duplicate not collected/analyzed with this SDG. Field sample: 2-SW19-03 (SDG 0308246-04) and field duplicate sample: FD-081803-03 (SDG 0308246-04). See attached sheet. All FD RPDs for 2-BEHP within limits. No samples qualified. Overall precision is 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 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 Surface water**	**-**	**5 coolers: 10, 3.7, 3.1, 1.6 & 9 °C.**	**Alpha Laboratory Westborough, MA**	**0308146**

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
2-SW18-03	L0308146-01
2-SP01-03	L0308146-02
2-SW21-03	L0308146-03
2-SW20-03	L0308146-04
2-SW22-03	L0308146-05
2-SW23-03	L0308146-06
2-SW24-03	L0308146-07

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	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects 3) preserved per method (amber bottles, temperature. J, UJ, or R (function of HT and compound)	Cooler temperature >6C. Sample preservation by refrigeration is above temperature limits in one cooler. From the COC, the impacted samples are not apparent; therefore, all sample results are qualified Sample custody transferred from Field Team Leader to lab sample courier. Unbroken Chain of Custody.	X	J detects UJ non-detect in all samples.	
Holding Time	1) 7 Days aqueous – 14 days soil (extract 40 days) 2) J –detects, UJ or R –nondetects (function of time)	Date sent: 08/15/03 Date extracted: 08/18/03 Date Analysed: 08/30/03. 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 less than the MRL but greater than the MDL are qualified as estimated (J). See data summary table.	X	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.	-	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED	Inven-tory	QUAL	BIAS
Surrogates	1) Surrogate acceptance limits nitrobenzene-D5 (NBZ), 2-fluorobiphenyl (FBP), & p-Terphenly-d14 (TPH) within QAPP limits. Qualification: >UCL J –detects, %R<10% J –detects, R –NDs, %R >10% but <60% J-detects. UJ NDs	FBP %R<LCL for sample 03 and LCS and blank samples. NBZ %R<LCL for LCS.	X	Detects in sample 03 qualified J and non-detects in sample 03 qualified UJ.	
Lab Blanks (method	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 method limits, except for 2-chloronaphthalene, naphthalene, acenaphthalyne, and 2-methylnaphthalene, which have %R<LCL.	X	J detects and UJ non-detects for 2-chloronaphthalene, naphthalene, acenaphthalyne, and 2-methylnaphthalene	
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; Lab ID 0308146-01 (part of this SDG). MS %R's within limits, except for dibenzo(a,h)anthracene. For this PAH the MS %R>UCL. This PAH is not detected in any field samples. No samples qualified.	X	-	
MS/MSD RPD	RPD =40% solid, 30% aq per QAPP Table 7-3. J –detects in MS sample UJ-non detects	MS/MSD RPD <MPC. 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	Field duplicate not collected/analyzed with this SDG. Field sample: 2-SW19-03 (SDG 0308246-04) and field duplicate sample: FD-081803-03 (SDG 0308246-04). See attached sheet. All FD RPDs for PAH's within limits. No samples qualified. Overall precision is acceptable.	X	-	

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 <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)	29 August 2003 Instrument – Mindy %RSD<20% and/or COD>0.99 ICAl linear. No samples qualified RRF>0.05 SPCC compounds not analyzed for this method. No action taken.	X	-	
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	-	
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	%D<15% for all PAHs. No samples qualified.	X	-	
2nd Source ICV	%R (between ICV and Ical) analytes %D ≤ 15%, (+ or -) once per 5 pt cal Qualification: J detects, R or UJ NDs	ICV within limits. No samples qualified.	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. 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)	Sensitivity acceptable, as this is the best available technology. The lab MRL is less than the O&M required RL. No action taken other than notation.	x	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED	Inven-tory	QUAL	BIAS
Compound Quantitation	1) Check sensitivy (MDL< 1/3 PQL or per QAPP	Sensitivity; supports PALs in O&M manual.	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. All sample results qualified on the basis on the sample refrigeration. One cooler temperature was reported at 10C. Samples in the cooler exceeding the temperature criteria could not be determined, so all samples were qualified. ICAL is linear. ICV: within limits. CCV; in limits. Sampling error- Field duplicate not collected/analyzed with this SDG. Field sample: 2-SW19-03 (SDG 0308246-04) and field duplicate sample: FD-081803-03 (SDG 0308246-04). See attached sheet. All FD RPDs for PAH's within limits. No samples qualified. Overall precision is 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) **Metals 6010B/7000**
Project: New London 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**	**HNO3**	**5 coolers: 10, 3.7, 3.1, 1.6 & 9 °C.**	**Alpha Laboratory Westborough, MA**	**0308146**

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
2-SW18-03	L0308146-01
2-SP01-03	L0308146-02
2-SW21-03	L0308146-03
2-SW20-03	L0308146-04
2-SW22-03	L0308146-05
2-SW23-03	L0308146-06
2-SW24-03	L0308146-07

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	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects 3) preserved per method (amber bottles, temperature. J, UJ, or R (function of HT and compound)	Cooler temperature >6C. Sample preservation by refrigeration is above temperature limits in one cooler. From the COC, the impacted samples are not apparent; therefore, all sample results are qualified Sample custody transferred from Field Team Leader to lab sample courier. Unbroken Chain of Custody.	X	J detects UJ non-detect in all samples.	
Holding Time	1) 180 days (6010), Hg 28 Days to analysis 2) J –detects, UJ or R –nondetects (function of time)	Date sent: 08/15/03 Date Analysed: 08/21/03, 08/29/03 & 08/20/03 (Hg). Sample prepared/analyzed within holding times. 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: (lab ID L0308146-03) for total metals and dissolved metals Lab duplicate RPDs<MPC for total and dissolved metals. Laboratory precision adequate. No samples qualified.	X	-	
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	Field duplicate not collected/analyzed with this SDG. Field sample: 2-SW19-03 (SDG 0308246-04) and field duplicate sample: FD-081803-03 (SDG 0308246-04). See attached sheet.	X	J and UJ (see attached FD RPD sheet).	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
		7 metals (Sb, Cd, Cu, Mo, Ag, and Zn) were detected in the total and/or dissolved metals FD sample but were not detected in the corresponding field sample. For Sb and Co the FD RPD>MPC. The metals results were all low-level results and analytical variability may be attributable for the RPD>MPC and the differences in the number of metals detected in the FD versus the field sample. Samples qualified in the FD pair only in SDG 0308246.			
% 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 MRL but greater than the IDL/MDL are estimated results and qualified J. See attached data summary table.	X	J	
Lab Blanks (method blank or p reparation blank)	1) Once per sample batch 2) Blank results > IDL; sample results <5X ; sample result U (nd) 3) Sample results >5X blank level; no action	5X level ParameterName 0.034 ANTIMONY, DISSOLVED 0.00335 BARIUM, DISSOLVED 0.0037 CADMIUM, DISSOLVED 0.00375 COBALT, DISSOLVED 0.009 COPPER, DISSOLVED 0.02 MOLYBDENUM, DISSOLVED 3.9 POTASSIUM, DISSOLVED 0.0047 SILVER, DISSOLVED 2.5 SODIUM, DISSOLVED 0.55 HARDNESS 0.02805 ANTIMONY, TOTAL 0.0024 BARIUM, TOTAL 0.00205 CADMIUM, TOTAL 0.15 CALCIUM, TOTAL 0.16 IRON, TOTAL 0.039 MAGNESIUM, TOTAL 0.005 MANGANESE, TOTAL 0.013 MOLYBDENUM, TOTAL 2.35 POTASSIUM, TOTAL 1.1 SODIUM, TOTAL	X	Dissolved metals: Sb in sample 05 Co in 02, 05, 05 Cu in 05, 07, Mo in 01, 04,05,& 07. K in 01, 03, 04, 05 & 06. Ag in 02. Total metals: Sb in 01,02 & 07 Mo in 01, 04, & 05, K in 03, 04, and 06.	
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 4) >125% J detects	The total metals Matrix spike field sample 2-SW21-03 (lab ID -03). The MS %R>UCL for As, Se, and Hg. The dissolved metals Matrix spike field	X	Hg (total metals) result qualified J in sample 07.	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
		sample 2-SW21-03 (lab ID -03). The MS %R>UCL for Se.		As (total Metals) qualified J in samples 05,06,07.	
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) QC, IS, RRT meet criteria, 5) %RSD < 20% 6) MDL< MQL (3x less ideal) 7) Lab fortitied blank (see VOA/SV Part II – section X). 8) *Check and recalculate %RSDs and %R fir three compounds (with 10% of lab)	Cd MRL <selected groundwater criterion, but the MRL <O&M reporting limit. Cu MRL<O&M reporting limit, and the selected groundwater criterion is <MDL but > IDL. Pb MRL>O&M reporting limit. The Pb IDL >selected groundwater criterion.	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 >IDL and sample value is <5X the absolute value of the blank or is nondetect; Qualify detects as estimated (J) Nondetects as estimated (UJ)	All reported negative blank results were less than the IDL. No sample qualification.	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.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
Initial and Continuing Calibration Blanks	1) Ical blank after Ical 2) CCB every 10 samples end of run 3) Blank results > IDL; sample results <5X ; qualify sample result U (nd) 4) Sample results >5X blank level; no action	Initial calibration blank; Ba <0.0045 none Be <0.0043 – sample 07 (totals) Cd <0.0055 none Co <0.004 - 8 samples V <0.0055 – 8 samples. Ca <0.10 none Mo < 0.0135 Continuing Calibration Blank: Sb <0.02525 Be <0.0445 Cd <0.00505 none Co <0.004 Mo <0.0135 -	X	ICB: Be total metals qualify U in 07, Co in 01-05 dissolved sample results and 02, 04, & 05 total metal results. V in dissolved samples 01, 04, 05, & 06, and totals 02, 04, 05, 06. Mo in samples dissolved 01, 05, 04, & 07, totals: 01, 04, 05. CCB: Sb in 01 & 07 totals, Be in 07 total, Co 02, 04, 05 totals, and 01-05 dissolved, Mo in samples dissolved 01, 05, 04, & 07, totals: 01, 04, 05.	
Serial Dilution	1) once per digestion batch 2) Meets method limits (RPD 10%). 3) Metal results >50X MDL levels.	SD on native sample lab ID 0308146-03 Serial Dilution within limits for elements with results >50X MDL. No samples qualified. 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 within limitsor 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 QC limits. 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 QC limits. No samples qualified.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
Post Digestion Spike	1) 75- 125% R	PDS on native sample lab ID 0308146-03. PDS recoveries within limits. No samples qualified.	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	-	-	
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. ICAl; 2-point calibration. ICV: within limits. CCV: within limits. Post digestion spike and the Serial dilution are within limits. Matrix spike within limits. No apparent matrix bias. Pb IDL>selected groundwater criterion. Sampling error- FD pair not collected/analyzed with this SDG. Associated FD analyzed in SDG 0308246. 7 metals (Sb, Cd, Cu, Mo, Ag, and Zn) were detected in the total and/or	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
		dissolved metals FD sample but were not detected in the corresponding field sample. Sample results are usable for project decision making.			

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

CHAIN OF CUSTODY

PAGE 2 OF 2

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

Client: ECC
Address: 50 [illegible] Drive, Marlboro, MA 01752
Phone: 508 229 2070
Fax:
Email:

☐ These samples have been previously analyzed by Alpha

Project Name: Ash A Landfill
Project Location: New London, CT
Project #:
Project Manager: Dallas Calmer
ALPHA Quote #:

☑ Standard ☐ RUSH (only if pre-approved)
Date Due: Time:

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

☑ Same as Client info PO #:

Regulatory Requirements

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:

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

Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Metals	Dissolved Metals	TSS	Alk, Sulf, TDS, Cl	SVOC	PAH	TOC	COD					Sample Specific Comments	
2-SW18-03	8/15/03	1025	SW		X	X	X	X	X	X	X	X						11
3-SP01-03	8/15/03	0945	SW		X	X	X	X	X	X	X	X						11
2-SW21-03	8/15/03	1055	SW		X	X	X	X	X	X	X	X						11
2-SW20-03	8/15/03	1045	SW		X	X	X	X	X	X	X	X						11
2-SW22-03	8/15/03	1105	SW		X	X	X	X	X	X	X	X						11
2-SW23-03	8/15/03	1120	SW		X	X	X	X	X	X	X	X						11
2-SW24-03	8/15/03	1150	SW		X	X	X	X	X	X	X	X						11
~~2-FB03-03~~	~~8/15/03~~	~~1300~~	~~SW~~															
	8/15/03																	
	8/15/03																	

Container Type				
Preservative				

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	8/15/03 1300	[illegible]	8/15/03 1340

Form No: 09-03 STD

DATA VALIDATION MEMORANDUM
O&M MONITORING SITES – NEW LONDON NSB
AUGUST 2003 SAMPLING ROUND (SDG 0308246 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-AUGUST 2003

DATE: 22 DECEMBER 2003

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 #:__0308246_____
EPA-NE DV TIER LEVEL:___II___
SITE NAME: New London NSB – O&M

# of SAMPLES/MATRIX:___3-GW, 2FD (1-GW and 1-SW),
VALIDATION CONTRACTOR:__ECC
VALIDATOR'S NAME: Jackson Kiker
DV Completion Date:_22_December 2003
Date Sampled__18 August 2003 _____

ANALYTICAL DATA QUALITY SUMMARY

		PAH	SVOC	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:	M	M	-
7	Internal Standards	O	O	-
8	Matrix Spike/Matrix Spike Duplicate:	O	M	O
9	Sensitivity Check:	O	O	O
10	PE Samples- Accuracy Check	M	Z	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): _SVOC LCS %R<10% for 2,4 dimethylphenol %R<10%.

AREAS OF CONCERN: (M items): _.

SVOC: SVOC surrogate %R<LCL in 3 samples. SVOC LCS %R<LCL for LCS %R<LCL for the following SVOCS: 2,4 dichlorophenol, nitrobenzene, phenol, 2-methylphenol, and 3 / 4-methylphenol, and bis(2-chloroethoxy)methane. SVOC CCV %D>MPC for hexachlorobutadiene, 4-bromophenyl ether, hexachlorobenzene, 4-chloroanaline, 3,3 dichlorobenzidiene. SVOC MS %R<LCL for 2,4 dimethyphenol

PAH; PAH LCS %R<LCL for 2-chloronaphthalene, naphthalene, acenaphthalyne, and 2-methylnaphthalene.

Metals: Method blank qualifications for Sb. Initial calibration blank: Sb, Cd, Co, Ag, and V. CCB qualifications; Sb, Cd, Co, Ag, & V.

COMMENTS; FD for surface water samples analyzed with this SDG. Surface water samples analyzed with SDG 0308146.

ECC Region I Data Review Worksheet (rv 2) **SVOCs 8270C**
Project: New London 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 (0.2, 0.1, 2.4, 0 & 0.1 ^{o}C)**	**Alpha Laboratory Westborough , MA**	**0308246**

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
2-GW43DS-03	L0308246-01
2-GW46DS-03	L0308246-02
2-SW19-03	L0308246-03
FD-081803-03	L0308246-04
2-GW42DS-03	L0308246-05
FD-081803-03 (2)	L0308246-06

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	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects 3) preserved per method (amber bottles, temperature. J, UJ, or R (function of HT and compound)	Cooler temperatures <6C. Sample preservation adequate. Sample custody transferred from Field Team Leader to lab sample courier. Unbroken Chain of Custody. Sample preservation within limits. 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)	Date sent: 08/19/03 Date extracted:08/22/03 Date Analysed:09/08/03 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 less than the MRL but greater than the MDL are qualified as estimated (J). See data summary table.	X	J	
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. No samples qualified.	X	-	
Equip Blank	< 5x (<10x common) contaminants for aq samples – for soil indicate EB (X rules don't apply)	Not collected/analyzed with this SDG	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
Surrogates	Within historical laboratory limits Qualification: >UCL J –detects, %R<10% J –detects, R –NDs, %R >10% but <LCL% J-detects, UJ NDs	%R off QC limits as listed below: NBZ<LCL for samples 01, 02 and 05. Phenol-d6<LCL for sample 02. Fluorophenol<LCL for samples 01, 02 and 05. Sample results from 01, 02 & 05 are qualified J if they are detects and UJ if they are non-detects.	X	-	
Lab Blanks (method	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	LCS %R<LCL for the following SVOCS: 2,4 dichlorophenol, nitrobenzene, phenol, 2-methylphenol, and 3 / 4-methylphenol, and bis(2-chloroethoxy)methane. 2,4 dimethylphenol %R<10%.	X	J qualify detects and UJ qualify non-detects for these SVOCs in all samples; .2,4 dichlorophenol, nitrobenzene, phenol, 2-methylphenol, and 3 / 4-methylphenol, and bis(2-chloroethoxy)methane. 2,4 dimethylphenol qualify non-detects as R	
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; Lab ID 0308246-03 MS %R<LCL for 2,4 dimethyphenol. Most likey related to instrument performance rather than matrix interference. No apparent matrix bias. .	x	2,4 dimethylphenol qualify non-detects as UJ	
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	NA	-	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
MS/MSD RPD	RPD =40% aq, <50% (S) J –detects in MS sample UJ-non detects	Within MPC limits, exceptr 3,3 dichlorobenzidiene (RPD = 44%). Precision is acceptable for project constituents of concern.	X	UJ 3,3 dichloroben zidiene in all sample.	
Tune Check	Tune check within method parameters for DFTPP	Ical tune check within limits. 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	**2-FD pairs not analyzed with this SDG**. **Surface Water FD pair:** Field sample: 2-SW19-03 (SDG 0308246-04) and field duplicate sample: FD-081803-03 (SDG 0308246-04). **Groundwater FD Pair**: Field sample: 2-GW43DS-03 –lab ID 01. Field duplicate: FD-081803-03 (2) – lab ID 02. See attached data worksheet. Bis(2-ethylhexyl)phthtalate was detected in the FD pair. The FD RPD was within MPC. Overall precision is acceptable. No samples qualified.	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 Date: 08 August 2003 RRF>0.05 all SVOCs. RSD<15% and/or COD>0.99 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 Buffy Date: 09 August 2003 4-chloroaniline and 2,4 dimethylphenol have %D>20% but less than 25%. No samples qualified.	X	_	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
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 . %D<MPC for all SVOCs, except hexachlorobutadiene, 4-bromophenyl ether, hexachlorobenzene, 4-chloroanaline, 3,3 dichlorobenzidiene	X	UJ in all samples the following SVOCs: hexachloro butadiene, 4-bromophen yl ether, hexachloro benzene, 4-chloroanali ne, 3,3 dichloroben zidiene	
Compound Quantitation	1) Check sensitivy (MDL< 1/3 PQL or per QAPP	MRL >O&M reporting limit, but the MRL is less than the selected groundwater criterion for 2-BEHP.	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 for all compounds. No apparent sample bias. Results are usable for making project decisions and have been reconciled with p roject objectives. LCS in control for target SVOC. ICAL; linear. ICV: within limits for all SVOCs CCV : in limits for site constituents of concern. Sampling error- Bis(2-ethylhexyl)phthtalate was detected in the FD pair. The FD RPD was within MPC. Overall precision is acceptable. No samples qualified.	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 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 (0.2, 0.1, 2.4, 0 & 0.1 ^{o}C)**	**Alpha Laboratory Westborough, MA**	**0308246**

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
2-GW43DS-03	L0308246-01
2-GW46DS-03	L0308246-02
2-SW19-03	L0308246-03
FD-081803-03	L0308246-04
2-GW42DS-03	L0308246-05
FD-081803-03 (2)	L0308246-06

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	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects 3) preserved per method (amber bottles, temperature. J, UJ, or R (function of HT and compound)	Cooler temperatures <6C. Sample preservation adequate. Sample custody transferred from Field Team Leader to lab sample courier. Unbroken Chain of Custody. Sample preservation within limits. No samples qualified.	X	-	
Holding Time	1) 7 Days water, 40 to analysis 2) J –detects, UJ or R –nondetects (function of time)	Date sent: 08/19/03 Date extracted:08/22/03 Date Analysed:09/06/03 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 less than the MRL but greater than the MDL are qualified as estimated (J). See data summary table.	X	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.	-	-	
Surrogates	1) Surrogate acceptance limits nitrobenzene-D5 (NBZ), 2-fluorobiphenyl (FBP), & p-Terphenly-d14 (TPH) within QAPP limits. Qualification: >UCL J –detects, %R<10% J –detects, R –NDs, %R >10% but <60% J-detects, UJ NDs	Surrogate NBZ %R <LCL for sample 02.	X	Qualify detects in sample 02 – J and qualify non-detects in sample 02 as UJ.	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED	Inven-tory	QUAL	BIAS
Lab Blanks (method	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 method limits, except for 2-chloronaphthalene, naphthalene, acenaphthalyne, and 2-methylnaphthalene, which have %R<LCL.	X	UJ non-detects for 2-chloronapht halene, acenaphthal yne, and 2-methylnaph thalene J detects (03, 04) and UJ non-detects (01, 02, 05, & 06)for naphthalen e	
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; Lab ID 0308246-03 MS %R's within limits, except for dibenzo(a,h)anthracene, which has MS %R>UCL. This PAH is non-detect in all samples. No samples qualified.	X	-	
MS/MSD RPD	RPD =40% solid, 30% aq per QAPP Table 7-3. J –detects in MS sample UJ-non detects	MS/MSD RPD <MPC. 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	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED	Inven-tory	QUAL	BIAS
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	**2-FD pairs not analyzed with this SDG**. **Surface Water FD pair:** Field sample: 2-SW19-03 (SDG 0308246-04) and field duplicate sample: FD-081803-03 (SDG 0308246-04). See attached field duplicate worksheet. All calculated FD RPDs within MPC. Overall precision is acceptable. **Groundwater FD Pair**: Field sample: 2-GW43DS-03 –lab ID 01. Field duplicate: FD-081803-03 (2) – lab ID 02. No detections in the Groundwater FD pair.	-		
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)	29 August 2003 Instrument – Mindy %RSD<20% and/or COD>0.99 ICAl linear. No samples qualified RRF>0.05 SPCC compounds not analyzed for this method. No action taken.	X	-	
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	-	
CCV	1) 20% of initial calib. Curve (8%-120%). J qualify data. 2) 20% D 3) Qualification-J detects, R or UJ NDs	%D<20% for all PAHs. No samples qualified.	X	-	
2nd Source ICV	%R (between ICV and Ical) analytes %D ≤ 15%, (+ or -) once per 5 pt cal Qualification: J detects, R or UJ NDs	ICV within limits. No samples qualified.	X	-	

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. 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)	Sensitivity acceptable, as this is the best available technology. The lab MRL is less than the O&M required RL. No action taken other than notation.	x	-	
Compound Quantitation	1) Check sensitivy (MDL< 1/3 PQL or per QAPP	Sensitivity; supports PALs in O&M manual.	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: within limits. CCV; in limits. Sampling error- **2-FD pairs not analyzed with this SDG.** **Surface Water FD pair:** Field sample: 2-SW19-03 (SDG 0308246-04) and field duplicate sample: FD-081803-03 (SDG 0308246-04). See attached field duplicate worksheet. All calculated FD RPDs within MPC. Overall precision is acceptable. **Groundwater FD Pair**: Field sample: 2-GW43DS-03 –lab ID 01. Field duplicate: FD-081803-03 (2) – lab ID 02. No detections in the Groundwater FD pair.	X	-	

(*Tier III criteria)

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

ECC Region I Data Review Worksheet (rv 2) **Metals 6010B/7000**
Project: New London 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**	**HNO3**	**5-coolers (0.2, 0.1, 2.4, 0 & 0.1 ^{o}C)**	**Alpha Laboratory Westborough , MA**	**0308246**

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
2-GW43DS-03	L0308246-01
2-GW46DS-03	L0308246-02
2-SW19-03	L0308246-03
FD-081803-03	L0308246-04
2-GW42DS-03	L0308246-05
FD-081803-03 (2)	L0308246-06

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	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects 3) preserved per method (amber bottles, temperature. J, UJ, or R (function of HT and compound)	Cooler temperatures <6C. Sample temperature preservation adequate. Sample custody transferred from Field Team Leader to lab sample courier. Unbroken Chain of Custody. 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)	Date sent: 08/19/03 Dates Analysed: 22, 27, 28 August , 02, 03 September 2003. Hg analysed on Aug26 '03. 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: (lab ID L0308246-03) for total metals and dissolved metals Lab duplicate RPDs<MPC for total and dissolved metals , except for Sb (dissolved) and Cobalt (totals)). For these metals the lab sample results were less than the PQL (MRL). Laboratory precision adequate. No samples qualified.	X	-	
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	**2-FD pairs not analyzed with this SDG**. **Surface Water FD pair:** Field sample: 2-SW19-03 (SDG 0308246-04) and field duplicate sample: FD-	-	J Field and field duplicate detects associated with FD RPDs>50%	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
		081803-03 (SDG 0308246-04). See attached sheet. 7 metals (Sb, Cd, Cu, Mo, Ag, and Zn) were detected in the total and/or dissolved metals FD sample but were not detected in the corresponding field sample. For Sb and Co the FD RPD>MPC. The metals results were all low-level results and analytical variability may be attributable for the RPD>MPC and the differences in the number of metals detected in the FD versus the field sample. Samples qualified in the FD pair only in SDG 0308246. **Groundwater FD Pair**: Field sample: 2-GW43DS-03 –lab ID 01. Field duplicate: FD-081803-03 (2) – lab ID 02. See attached data sheet. Detected in the field sample but non-detect in the field duplicate sample were the following: Dissolved: Al, Ni, Totals: Ni, Zn FD RPD>MPC for the following metals: Totals: Mn, Fe, and Al, Dissolved: V, Mo, Fe, Cr. This FD pair is associated with groundwater samples. The FD RPDs will only be applied to the FD pair. The metals results were all low-level results and analytical variability may be attributable for the RPD>MPC and the differences in the number of metals detected in the FD versus the field sample. Samples qualified in the FD pair only in SDG 0308246.		.UJ non-detects and J detects for samples that are associated with FD RPDs that were not calculated.	
% 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	-	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
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 MRL but greater than the MDL are qualified as estimated (J). See data summary table.	X	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	Method blank for total metals has detects for K, Na, Ca, and Mg none of these detections required qualification of total metal sample results. Method blank dissolved metals: Sb<0.017 [01,03,04]		U qualify Sb in sample 01, 03, and 04 dissolved metals.	
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 4) >125% J detects	Lab ID 0308246-03 MS sample for totals and dissolved metals. MS %R within MPC for all ICP metals and Hg. No apparent matrix bias. No samples qualified.	X		
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) QC, IS, RRT meet criteria, 5) %RSD < 20% 6) MDL< MQL (3x less ideal) 7) Lab fortitied blank (see VOA/SV Part II – section X). 8) *Check and recalculate %RSDs and %R fir three compounds (with 10% of lab)	Cd MRL <selected groundwater criterion, but the MRL <O&M reporting limit. Cu MRL<O&M reporting limit, and the selected groundwater criterion is <MDL but > IDL. Pb MRL>O&M reporting limit. The Pb IDL >selected groundwater criterion. Zn MRL >O&M reporting limit but <selected groundwater criterion.	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. 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 and Continuing Calibration Blanks	1) Ical blank after Ical 2) CCB every 10 samples end of run 3) Results > QL; sample results <5X ; sample result U (nd). 4) Sample results >5X blank level; no action 5) Qualifiers applied to all samples between compliant CCBs. For ICBs apply qualifier to all samples.	Initial calibration blanks has detects requiring qualification for the following elements. Sb <0.017 Cd<0.048 Co <0.0030 Ag <0.005 V <0.005	Included in inventory: Dissolved metals qualify U the following metals in the samples numbers shown: Cd; 01, 04. Co: 01-06,		

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
		Dissolved Metals CCB: Sb <0.023 Cd<0.003 Co <0.0035 Ag <0.006 Total Metals CCBs: Sb: <0.0045 Co < 0.005 Zn <0.035	Ag; 01,02, 04, 05, &06 V; 01-05 Due to ICB. Total metals: qualify U the metals in the shown samples due to ICB detections. Co; 01-06, V: 02-05 CCB (dissolved metals); qualify Uthe following metals in the samples shown: Sb; 01, 03, 04 Cd: 01, 04, Co 01, 02, 05, &06, Ag: 01, 02, 04, 05&06,, V: 01-05. CCB(total metals); qualify as U in the samples shown: Sb; 04, Co; 01-06 Zn; 03, 04, 05, &06		
Serial Dilution	1) once per digestion batch 2) Meets method limits (RPD 10%). 3) Metal results >50X MDL levels.	SD on native sample lab ID 0308246-03. Serial Dilution within limits for site COC elements. 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 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 QC limits. 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 QC limits. No samples qualified.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
Post Digestion Spike	1) 75- 125% R	PDS on native sample lab ID 0308246-03. %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	-	-	
*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. ICAl; 2-point calibration. ICV: within limits. CCV: within limits. Sample results qualified on the basis of detections in associated blanks. Post digestion spike; within limits. Serial dilution: within limits. Matrix spike within limits. No apparent matrix bias. Sampling error- Two FD pairs collected/analyzed with this SDG. The metals results were all low-level results and analytical variability may be attributable for the RPD>MPC and	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
		the differences in the number of metals detected in the FD versus the field sample. Samples qualified in the FD pair only in SDG 0308246. Sample results are usable for project decision making, as qualified.			

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

CHAIN OF CUSTODY

PAGE ____ OF ____

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

Client: ECC
Address: 50 O'Neill Blvd, Marlborough, MA 01752
Phone: 508 303 2270
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

Project Name: Area A Landfill
Project Location: New London, CT
Project #:
Project Manager: Darren Gaine
ALPHA Quote #:

☐ Standard ☐ RUSH (only applied if pre-approved)
Date Due: Time:

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

☐ Same as Client info PO #:

Regulatory Requirements

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:

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

Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Metals	Dissolved Metals	TSS	Alk, Sol, TDS, Cl	SVOC	DAH	TOC	COD					Sample Specific Comments	
2-GW43DS-03	8/18/03	1258	GW		X	X	X	X	X	X	X	X						11
2-GW46DS-03	8/18/03	1035	GW		X	X	X	X	X	X	X	X						11
2-SW19-03 MS/MSD	8/18/03	1425	SW		X	X	X	X	X	X	X	X						33
FD-081803-03	8/18/03	0000	SW		X	X	X	X	X	X	X	X						11
2-GW42DS-03	8/18/03	1308	GW		X	X	X	X	X	X	X	X						11
FD-081803-03(2)	8/18/03	0000	GW		X	X	X	X	X	X	X	X						11

Container Type															
Preservative															

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	8/19/03 1200	[illegible]	8/19/03 [illegible]

Form No: 03-02 STD

DATA VALIDATION MEMORANDUM
O&M MONITORING SITES – NEW LONDON NSB
AUGUST 2003 SAMPLING ROUND (SDG 0308333 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-AUGUST 2003

DATE: 31 DECEMBER 2003

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 #:__0308333_____
EPA-NE DV TIER LEVEL:___II___
SITE NAME: New London NSB – O&M

# of SAMPLES/MATRIX:___2-GW & 1-FD__
VALIDATION CONTRACTOR:__ECC
VALIDATOR'S NAME: Guruprasad Ranganathan
DV Completion Date:_31 December 2003
Date Sampled__20 August 2003_____

ANALYTICAL DATA QUALITY SUMMARY

		PAH	SVOC	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:	M	Z	M
9	Sensitivity Check:	O	O	M
10	PE Samples- Accuracy Check	M	Z	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): SVOC LCS %R<10% for 2,4 dimethylphenol. SVOC MS %R<10% for 2,4 dimethylphenol

AREAS OF CONCERN: (M items): _.

PAH: PAH LCS %R<LCL for 2-chloronaphthalene, naphthalene, acenaphthalyne, and 2-methylnaphthalene, which have %R<LCL. PAH MS %R<LCL for 2-chloronaphthalene and 2-methylnaphthalene

SVOC: LCS %R<LCL for 2,4 dichlorophenol, bis(2-chloroethoxy)methane, nitrobenzene, phenol, 2-methylphenol, 3-/4-methylphenol. SVOC MS %R<LCL for MS%R<LCL for bis(2-chloroethoxy)methane, Isophorone, nitrobenzene, n-nitrso-m-propylamine, dibenzofuran, 2,4 dichlorophenol, 2-nitropheno, 2-methylphenol, 3-/4-

methylphenol. SVOC MS/MSD RPD >MPC for isophorone, 2,4,6 trichlorophenol, 2,4 dimethylphenol, and 3-/4-methylphenol. SVOC CCV %D>MPC for hexachlorobutadiene, hexachlorobenzene, and 4-bromophenylether.

Metals: Preparation blank have detections of Calcium, Magnesium, Zinc, Potassium & Sodium for total metals and Sodium & Potassium for soluble metals. Compound detections in the samples were > 5x the blank results for all metals except Zinc. Zinc results were qualified U in all samples.
MS % Recoveries were < LCL for mercury.
ICBs and CCBs have detections of Mo & Ag in total metals and detections of Cr, Mo, V & Zn in soluble metals.

COMMENTS: Pb IDL >site action limit. Monitoring criterion lower than the practicable reporting limit, as documented in the O&M manual for prescribed method.

ECC Region I Data Review Worksheet (rv 2) **SVOCs 8270C**
Project: New London 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**	**-**	**6 coolers - 1.2, 1.9, 2.1, 0.6, 0.5, 1.7 °C**	**Alpha Laboratory Westborough, MA**	**0308333**

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
2-GW02S-03	L0308333-01
FD-082003-03A	L0308333-02
2-GW39DS-03	L0308333-03

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	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects 3) preserved per method (amber bottles, temperature. J, UJ, or R (function of HT and compound)	Cooler temperatures <6C. Sample preservation adequate. Sample custody transferred from Field Team Leader to lab sample courier. Unbroken Chain of Custody. Sample preservation within limits. 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)	Date sent: 08/20/03 Date extracted:08/22/03 Date Analysed: 09/08/03 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 less than the MRL but greater than the MDL are qualified J.	X	-	
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. No samples qualified.	X	-	
Equip Blank	< 5x (<10x common) contaminants for aq samples – for soil indicate EB (X rules don't apply)	Not collected/analyzed with this SDG	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
Surrogates	Within historical laboratory limits Qualification: >UCL J –detects, %R<10% J –detects, R –NDs, %R >10% but <LCL% J-detects, UJ NDs	2 surrogate %R's (NBZ & FBP) <LCL in the Matrix spike sample. No field samples qualified.	X	-	
Lab Blanks (method	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	LCS %R<LCL for the following SVOCS: 2,4 dichlorophenol, bis(2-chloroethoxy)methane, nitrobenzene, phenol, 2-methylphenol, 3-/4-methylphenol. 2,4 dimethylphenol <10%	X	Qualify UJ in all samples:. 2,4 dichlorophenol, bis(2-chloroethoxy)methane, nitrobenzene, phenol, 2-methylphenol, 3-/4-methylphenol. Qualify R in all samples 2,4 dimehtylphenol.	
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; Lab ID 0308333-01 MS%R<LCL for bis(2-chloroethoxy)methane, Isophorone, nitrobenzene, n-nitrso-m-propylamine, dibenzofuran, 2,4 dichlorophenol, 2-nitropheno, 2-methylphenol, 3-/4-methylphenol. MS %R<10% for 2,4 dimethylphenol .	x	R qualify all samples for 2,4 dimethylphenol. UJ qualify for all samples: bis(2-chloroethoxy) methane, Isophorone, nitrobenzene, n-nitrso-m-propylamine, dibenzofuran, 2,4 dichlorophenol, 2-nitropheno, 2-methylphenol, 3-/4-methylphenol.	

ECC Region I Data Review Worksheet (rv 2) **SVOCs 8270C**
Project: New London 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)	Inven-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	NA	-	-	
MS/MSD RPD	RPD =40% aq, <50% (S) J –detects in MS sample UJ-non detects	Within MPC limits, except for isophorone, 2,4,6 trichlorophenol, 2,4 dimethylphenol, and 3-/4-methylpheonl. The precision for these compounds is low and is attributable to instrument performance.	X	Qualifiy UJ in all samples: isophorone, 2,4,6 trichlorophenol, 2,4 dimethylphenol, and 3-/4-methylpheonl.	
Tune Check	Tune check within method parameters for DFTPP	Ical tune check within limits. 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: 0308333-02 Field sample:0308333-01 All non-detects in both field sample and its duplicate except bis-2-Ethyl Hexyl Phthalate – RPD 0%. Sampling precision acceptable – no samples qualified.	-	-	
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: 08 August 2003 RRF>0.05 all SVOCs. RSD<15% and/or COD>0.99 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 Buffy Date: 09 August 2003 4-chloroaniline and 2,4 dimethylphenol have %D>20% but less than 25%. No samples qualified.	X	_	

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Project: New London 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)	Inven-tory	QUAL	BIAS
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. M ust agree within 10% of lab (option if information is in data package)	CCV . %D<MPC for all SVOCs, except hexachlorobutadiene, hexachlorobenzene, and 4-bromophenylether.	X	Qualify as UJ hexachlorobutadiene, hexachlorobenzene, and 4-bromophenylether in all samples.	
Compound Quantitation	1) Check sensitivy (MDL< 1/3 PQL or per QAPP	Project target compound bis(2-ethylhexyl)phthalate has MRL >O&M limit, but below the groundwater criteria. No action taken other than notation.	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 for all compounds, except for those noted in the LCS and MS review items. No apparent sample bias. 2-BEHP Results are usable for making project decisions and have been reconciled with project objectives. Method blank; non-detect for all SVOCs. BEHP main SVOC COC was non-detect in the MB and samples. ICAL; linear. ICV: within limits. CCV : in limits except for 4 non-target compounds. Sampling error- within limits. 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 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**	**-**	**6 coolers - 1.2, 1.9, 2.1, 0.6, 0.5, 1.7 °C**	**Alpha Laboratory Westborough, MA**	**0308333**

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
2-GW02S-03	L0308333-01
FD-082003-03A	L0308333-02
2-GW39DS-03	L0308333-03

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	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects 3) preserved per method (amber bottles, temperature. J, UJ, or R (function of HT and compound)	Cooler temperatures <6C. Sample preservation adequate. Sample custody transferred from Field Team Leader to lab sample courier. Unbroken Chain of Custody. Sample preservation within limits. No samples qualified.	X	-	
Holding Time	1) 7 Days water, 40 to analysis 2) J –detects, UJ or R –nondetects (function of time)	Date sent: 08/20/03 Date extracted:08/22/03 Date Analysed: 09/09/03 All analysis within hold 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)	All results are non-detect. No samples qualified.	-	-	
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.	-	-	
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	Surrogates within QC limits. No samples qualified.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED	Inven-tory	QUAL	BIAS
Lab Blanks (method	1) < 5x (<10x common) contaminants – U 2) analytes <lab PQL (contract lab)	All method blanks were non-detects for PAHs. Note that a method blank was analyzed with the field samples, but all field sample results were non-detect. No action other than notation. 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 method limits, except for 2-chloronaphthalene, naphthalene, acenaphthalyne, and 2-methylnaphthalene, which have %R<LCL. Dibenzo(a,h)anthracene has LCS %R>UCL. All samples are non-detect for this PAH. No samples qualified for this PAH.	X	All samples qualified UJ for the following PAHs: 2-chloronaphthalene, naphthalene, acenaphthalyne, and 2-methylnaphthalene, which have %R<LCL.	
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; Lab ID 0308333-01(part of this SDG). MS %R's within limits, except for 2-chloronaphthalene and 2-methylnaphthalene which have MS %R<LCL. These PAHs have low LCS %R. Morel than likely the low MS %R is attributable to instrument performance. No apparent matrix bias.	X	UJ 2-chloronaphthalene and 2-methylnaphthalene in all samples	
MS/MSD RPD	RPD =40% solid, 30% aq per QAPP Table 7-3. J –detects in MS sample UJ-non detects	MS/MSD RPD <MPC. 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	Field duplicate: 0308333-02 Field sample:0308333-01 All non-detects in both field sample and its duplicate.	-		

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 <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)	29 August 2003 Instrument – Mindy %RSD<20% and/or COD>0.99 ICAl linear. No samples qualified RRF>0.05 SPCC compounds not analyzed for this method. No action taken.	X	-	
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	-	
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	%D<20% for all PAHs. No samples qualified.	X	-	
2nd Source ICV	%R (between ICV and Ical) analytes %D ≤ 15%, (+ or -) once per 5 pt cal Qualification: J detects, R or UJ NDs	ICV within limits. No samples qualified.	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. 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)	Sensitivity acceptable, as this is the best available technology. The lab SQL is less than the O&M required RL. No action taken other than notation.	x	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED	Inven-tory	QUAL	BIAS
Compound Quantitation	1) Check sensitivy (MDL< 1/3 PQL or per QAPP	Sensitivity; supports PALs in O&M manual.	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: within limits. CCV; in limits. Sampling error- All compounds are non-detects for both sample and its duplicate. 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) **Metals 6010B/7000**
Project: New London 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**	**HNO3**	**6 coolers - 1.2, 1.9, 2.1, 0.6, 0.5, 1.7 °C**	**Alpha Laboratory Westborough, MA**	**0308333**

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
2-GW47DS-03	L0308333-01
FD-082003-03A	L0308333-02
2-GW39DS-03	L0308333-03

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	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects 3) preserved per method (amber bottles, temperature. J, UJ, or R (function of HT and compound)	Cooler temperatures <6C. Sample temperature preservation adequate. Sample custody transferred from Field Team Leader to lab sample courier. Unbroken Chain of Custody. 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)	Date sent: 08/20/03 Date extracted:08/22/03 Date Analysed: August 27 (Hg), 28, 29 and September 04, 2003. 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: (lab ID L0308333-01) for total metals and dissolved metals. Lab duplicate RPDs<MPC for total and dissolved metals. Laboratory precision adequate. No samples qualified.	X	-	
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 with this SDG: Field duplicate; FD- 082003-03A Field sample: 2-GW-47DS-03 FD RPD>50% for Al (total), Ba (total), Ni (total), Al (dissolved), Ba (dissolved), Ni (dissolved), and V (dissolved). FD RPDs were not calculated for the following metals. For these their was a detect in one of the FD pair samples, but non-detect in the other sample;	-	See attached Field duplicate worksheet for sample qualifications.	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
		Cr (total), Cu (total), V(total), Cr(dissolved), Pb(dissolved), Ag(dissolved), Zn (dissolved).			
% 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 MRL but greater than the MDL/IDL are estimated results, and these results are qualified J. See attached data summary table for applicable results.	X	J	
Lab Blanks (method blank or preparation blank)	1) Once per sample batch 2) Results > QL; sample results <5X ; sample result U (nd) 3) Sample results >5X blank level; no action	Total metals The analyses showed detections of the following compounds in the preparation blanks along with their concentrations: Calcium – 0.084 ppm Magnesium – 0.15 ppm Zinc – 0.0033 ppm Potassium – 0.8 ppm Sodium – 0.92 ppm Concentrations < 5X the values stated above are U qualified for the aforementioned compounds. Calcium < 0.42 ppm Magnesium < 0.75 ppm Zinc < 0.0165 ppm [01, 02, 03] Potassium < 4.0 ppm Sodium < 4.6 ppm Dissolved Metals The following compounds were detected at levels stated below: Potassium - 0.42 ppm Sodium – 0.49 ppm Concentration levels < 5X the above values are qualified as non-detects (U). Potassium < 2.1 ppm Sodium < 2.45 ppm. No dissolved metal results qualified.	X	Total metals: all Zn results are U qualified.	
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 4) >125% J detects	Lab ID 0308333-01 for MS sample for totals and dissolved metals. Total Metals: MS %R< LCL, but the matrix spike was not greater than 4X the respective native metal level: Fe, Mg, and Na. No samples qualified. MS %R>UCL but the matrix spike was not greater than 4X the native element level; K. No samples qualified. The MS %R<LCL for Hg .	X	Hg sample results for total and dissolved metals – detects J qualified in samples 01 & 02, and non-detects UJ qualified	Hg potential low bias.

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
		Dissolved metals: MS %R< LCL, but the matrix spike was not greater than 4X the respective native metal level: Al, Mn, Mg, Na, & K, No samples The MS %R<LCL for Hg .		in sample 03.	
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) QC, IS, RRT meet criteria, 5) %RSD < 20% 6) MDL< MQL (3x less ideal) 7) Lab fortitied blank (see VOA/SV Part II – section X). 8) *Check and recalculate %RSDs and %R fir three compounds (with 10% of lab)	Cd MRL <selected groundwater criterion, but the MRL <O&M reporting limit. Cu MRL<O&M reporting limit, and the selected groundwater criterion is <MDL but > IDL. Pb MRL>O&M reporting limit. The Pb IDL >selected groundwater criterion. Zn MRL >O&M reporting limit but <selected groundwater criterion. No validation action taken other than documentation.	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 as negative blanks. 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	Instrument id - Trace2. 08/28/03. ICAL performed according to method. Two point calibration and check standards. The pre-analysis check standard was within limits.	X	-	
Initial and Continuing Calibration Blanks	1) Ical blank after Ical 2) CCB every 10 samples end of run 3) Results > QL; sample results <5X ; sample result U (nd) 4) Sample results >5X blank level; no action	Instrument id - Trace2. The metals detected in the respective blanks and the 5X level used to evaluate the field sample results are presented below: ICB Total metals: Sb <0.0017 Ba <0.0045 Be <0.004 Cd <0.0048 Cr <0.005 Cu <0.009 Co <0.003 Mn <0.0035 Mo <0.012 Ag <0.0055	X	Total metals results qualified U: Mo in 01, 02, & 03, Ag in 01, 02, 03, Cr in 01, and V in 01 and 03.	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
		V <0.0050 [01, 03] CCB Total Metals: Sb <0.016 Ba <0.0055 Cd <0.0030 Co <0.0035 Mn <0.0025 Mo <0.0185 [01,02,03] Ag <0.006 [01,02,03] K <1.2 Na <1.45 ICB Dissolved Metals: Sb <0.015 Ba <0.003 Be <0.0037 Cd < 0.0028 Co <0.003 Mn < 0.0035 Mo <0.013 Se < 0.13 ICB CCB dissolved metals: Sb <0.0145 Ba <0.005 Be <0.0055 Cd <0.0055 Cr <0.0040 [02] Co <0.0045 Mn <0.00055 Mo <0.017 [01,02] Se <0.00125 V < 0.00145 [03] Zn <0.0145 [02,03]		Dissolved metals qualified U: Cr result for sample 02, Mo results for 01, 02, V result in sample 03 and Zn in 02, & 03.	
Serial Dilution	1) once per digestion batch 2) Meets method limits (RPD 10%). 3) Metal results >50X MDL levels.	SD on native sample lab ID 0308333-01. Serial Dilution within limits for site COC elements. 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 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 QC limits. No samples qualified.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
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 QC limits. No samples qualified.	X	-	
Post Digestion Spike	1) 75- 125% R	PDS on native sample lab ID 0308333-01 %R's within limits for Site COCs. MS and Serial dilution within limits. There is no general matrix bias. No samples qualified.	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	-	-	
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. ICAL; 2-point calibration. ICV: within limits. CCV: within limits. Blank results: Zn results qualified based on Prep blank detections. Based on ICBs & CCBs, Mo & Ag in	X	-	Hg potential low bias

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
		total metals and Cr, Mo, V & Zn in select dissolved metal results were qualified U. Post digestion spike; within limits. Serial dilution: within limits. Matrix spike within limits except mercury. No apparent matrix bias for all other compounds. Pb IDL >site action limit. Monitoring criterion lower than the practicable reporting limit, as documented in the O&M manual for prescribed method. Sampling error- FD pair collected/analyzed with this SDG. Overall precision acceptable for target metals. Sample results are usable for project decision making.			

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

CHAIN OF CUSTODY PAGE ____ OF ____

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

Project Name: Area A Landfill
Project Location: New London, CT
Project #:
Project Manager: Darren Gainer
ALPHA Quote #:

☐ Standard ☐ RUSH (only if pre-approved)
Date Due: Time:

Client: ECC
Address: 50 O'Brien Drive
Marlborough, MA 01752
Phone: 508 229 2270
Fax:
Email:

☐ These samples have been previously analyzed by Alpha

☐ FAX
☐ ADEx
Criteria Checker: ____
(Default based on Regulatory Criteria Indicated)
Other Formats: ____
☐ EMAIL (standard pdf report)
☐ Additional Deliverables: ____
Report to: (if different than Project Manager)

☐ Same as Client info PO #:

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:

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

Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Metals	Dissolved Metals	TSS	Alk, Sulf, TDS, Cl	SVOC	PAH	TOC	COD					Sample Specific Comments	
2-GW47DS-03MS/MSD	8/20/03	0940	GW		X	X	X	X	X	X	X	X						33
FD-082003-03A	8/20/03	0000	GW		X	X	X	X	X	X	X	X						11
2-GW39DS-03	8/20/03	1442	GW		X	X	X	X	X	X	X	X						11
Container Type																		
Preservative																		

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	8/20/03 1610	[illegible]	[illegible]

Form No: 03-02 STD

DATA VALIDATION MEMORANDUM
O&M MONITORING SITES – NEW LONDON NSB
AUGUST 2003 SAMPLING ROUND 7 (SDG 0308385 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-AUGUST 2003

DATE: 31 DECEMBER 2003

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 #:__0308385_____
EPA-NE DV TIER LEVEL:___II___
SITE NAME: New London NSB – O&M

# of SAMPLES/MATRIX:___11-GW__
VALIDATION CONTRACTOR:__ECC
VALIDATOR'S NAME: Guruprasad Ranganathan
DV Completion Date:_31 December 2003
Date Sampled__19-21 August 2003 _____

ANALYTICAL DATA QUALITY SUMMARY

		PAH	SVOC	Metals
1	Preservation and HT	M	M	M
2	Instrument Performance Check	O	O	O
3	Initial Calibration:	O	O	O
4	Continuing Calibration:	O	O	O
5	Blanks:	O	O	M
6	Surrogate Compounds:	M	M	-
7	Internal Standards	O	O	-
8	Matrix Spike/Matrix Spike Duplicate:	O	M	M
9	Sensitivity Check:	O	O	M
10	PE Samples- Accuracy Check	O	M	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): VOC: MS/MSD %R for acetone <10%. Reject non-detect acetone results in all samples.

AREAS OF CONCERN: (M items):
All analytical methods: Sample cooler temperature exceeded 6 C (11 C) in one sample cooler. The samples associated with this sample cooler can not be identified. All sample results qualified.

SVOC: SVOC MS/MSD %R<LCL for 2,4 dimethylphenol. SVOC surrogate %R<LCL in two samples. SVOC LCS %R<LCL for 2,4 dimethylphenol and phenol. SVOC CCV: benzoic acid %D>MPC.
PAH: PAH surrogate %R<LCL in two samples.

Metals: Preparation blanks showed detections of Calcium, Zinc, Sodium & Potassium for total metals and Barium, Calcium, Magnesium, Zinc, Sodium & Potassium for soluble metals. Zinc and dissolved potassium had results < 5x the blank contamination levels.
MS % Recoveries < LCL for mercury. ICBs and CCBs showed detections of silver, Cobalt & Vanadiumthat required qualifications.
Pb IDL >site slected groundwater criterion.

COMMENTS: Sample dilutions necessary for metals analysis due to high sodium levels.

ECC Region I Data Review Worksheet (rv 2) **SVOCs 8270C**
Project: New London 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 1.1C, 1.1C, 1.3C, 1.5C, 1.8C, 5.1C., 2.1C, 11C**	**Alpha Laboratory Westborough, MA**	**0308385**

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
2-GW38DS-03	L0308385-01
2-GW45DS-03	L0308385-02
2-GW44DS-03	L0308385-03
2-GW12D-03	L0308385-04
2-GW37S-03	L0308385-05
2-GW42DS-03	L0308385-06
2-GW-1S-03	L0308385-07
2-GW-21S-03	L0308385-08
2-GW41DS-03	L0308385-09
2-GW40DS-03	L0308385-10
2-GW20S-03	L0308385-11

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	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects 3) preserved per method (amber bottles, temperature. J, UJ, or R (function of HT and compound)	Cooler temperatures <6C for most of the sample coolers. One sample cooler has temperature>6C. The samples in this cooler were not identified by the laboratory. All samples qualified on the basis of the temperature exceedence. Sample custody transferred from Field Team Leader to lab sample courier. Unbroken Chain of Custody. The samples were logged into the lab from two sites and all cooler temperatures were listed on one sample receipt check in form. The cooler with 11 C temperature is associated with samples from Area A. Sample preservation within limits. No samples qualified.	X	UJ all non-detects and J all detects in all samples.	
Holding Time	1) 7 Days aqueous – 14 days soil (extract 40 days) 2) J –detects, UJ or R –nondetects (function of time)	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 less than the MRL but greater than the MDL are qualified J.	X	J	

ECC Region I Data Review Worksheet (rv 2) **SVOCs 8270C**
Project: New London 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)	Inven-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. No samples qualified.	X	-	
Equip Blank	< 5x (<10x common) contaminants for aq samples – for soil indicate EB (X rules don't apply)	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 surrogate %R's are within MPC, except for surrogate %R in samples 03 and 05. Sample 03; nitrobenzene, fluorobiphenyl, and phenol %R<LCL, Sample 06: phenol, nitrobenzene and 2-fluorobiphenyl %R<LCL	X	UJ all non-detects and J all detects in samples 03 and 06	
Lab Blanks (method	1) < 5x (<10x common) contaminants – U 2) analytes <lab PQL (contract lab) 3) no phthalates >5X QL (QAPP)	Method blank non-detect for all reportable 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	LCS %R<LCL for the following SVOCS: 2,4 dimethylphenol and phenol.	X	Qualify UJ in all samples: 2,4 dimethylphenol and phenol	
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; Lab ID 0308385-06 MS %R<LCL for 2,4 dimethylphenol, .	x	Qualify as UJ MS %R<LCL for 2,4 dimethylphenol, In all samples.	
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	NA	-	-	
MS/MSD RPD	RPD =40% aq, <50% (S) J –detects in MS sample UJ-non detects	Within MPC limits no samples qualified.	X	-	
Tune Check	Tune check within method parameters for DFTPP	Ical tune check within limits. 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	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
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	FD pair not collected/analyzed with this SDG.	-	-	
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: 08 August 2003 RRF>0.05 all SVOCs. RSD<15% and/or COD>0.99 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 Buffy Date: 09 August 2003 4-chloroaniline and 2,4 dimethylphenol have %D>20% but less than 25%. 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). 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	CCV . %D<MPC for all SVOCs, except for benzoic acid. Benzoic acid is not a site target compound, and this SVOC was not reported on the Form I's.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
	(option if information is in data package)				
Compound Quantitation	1) Check sensitivy (MDL< 1/3 PQL or per QAPP	Project target compound bis(2-ethylhexyl)phthalate has MRL >O&M limit, but below the groundwater criteria. No action taken other than notation.	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 for all compounds, except for those noted in the LCS and MS review items. No apparent sample bias. Results are usable for making project decisions and have been reconciled with project objectives. Method blank; non-detect for all SVOCs. ICAL; linear. ICV: within limits. CCV : in limits except for benzoic acid. Sampling error-FD not analyzed/collected with this SDG. Sampling error not evaluated.	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 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 1.1C, 1.1C, 1.3C, 1.5C, 1.8C, 5.1C., 2.1C, 11C**	**Alpha Laboratory Westborough, MA**	**0308385**

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
2-GW38DS-03	L0308385-01
2-GW45DS-03	L0308385-02
2-GW44DS-03	L0308385-03
2-GW12D-03	L0308385-04
2-GW37S-03	L0308385-05
2-GW42DS-03	L0308385-06
2-GW-1S-03	L0308385-07
2-GW-21S-03	L0308385-08
2-GW41DS-03	L0308385-09
2-GW40DS-03	L0308385-10
2-GW20S-03	L0308385-11

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	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects 3) preserved per method (amber bottles, temperature. J, UJ, or R (function of HT and compound)	Cooler temperatures <6C for most of the sample coolers. One sample cooler has temperature>6C. The samples in this cooler were not identified by the laboratory. All samples qualified on the basis of the temperature exceedence. Sample custody transferred from Field Team Leader to lab sample courier. Unbroken Chain of Custody. The samples were logged into the lab from two sites and all cooler temperatures were listed on one sample receipt check in form. The cooler with 11 C temperature is associated with samples from Area A. Sample preservation within limits. No samples qualified.	X	UJ all non-detect and J all detects in all samples.	
Holding Time	1) 7 Days water, 40 to analysis 2) J –detects, UJ or R –nondetects (function of time)	All analysis within hold 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	-	-	

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

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED	Inven-tory	QUAL	BIAS
Results > Cal Range or <Cal Range	1) >Upper Cal Range J-detects - ensure instrument blank performed 2) <PQL but >MDL – J –detects (estimated)	All sample results were non-detect or no samples exceeded the calibration range. No samples qualified on the basis of exceeding the calibration range.	X	-	
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.	-	-	
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 %R's are within MPC, except for surrogate %R in samples 03 and 05. Sample 03; nitrobenzene %R<LCL, Sample 06: nitrobenzene and fluorobiphenyl %R<LCL	X	UJ all non-detects in samples 03 and 06 and J all detects in sample 06.	
Lab Blanks (method	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 method limits, except for dibenzo(a,h)anthracene which has LCS %R>UCL. 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; Lab ID 0308385-06-01. (MS %R's within limits, except for dibenzo(a,h)anthracene, which has MS %R>UCL. All samples non-detect for this PAH. No samples qualified	X	-	
MS/MSD RPD	RPD =40% solid, 30% aq per QAPP Table 7-3. J –detects in MS sample UJ-non detects	MS/MSD RPD <MPC. 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	FD pair not collected/analyzed with this SDG.	-		

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 <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)	29 August 2003 Instrument – Mindy %RSD<20% and/or COD>0.99 ICAl linear. No samples qualified RRF>0.05 SPCC compounds not analyzed for this method. No action taken.	X	-	
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	-	
CCV	1) 20% of initial calib. Curve (80%-120%) 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	%D<20% for all PAHs. No samples qualified.	X	-	
2nd Source ICV	%R (between ICV and Ical) analytes %D ≤ 15%, (+ or -) once per 5 pt cal Qualification: J detects, R or UJ NDs	ICV within limits. No samples qualified.	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. 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)	Sensitivity acceptable. The lab MRL is less than the O&M required RL. No action taken other than notation.	x	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED	Inven-tory	QUAL	BIAS
Compound Quantitation	1) Check sensitivy (MDL< 1/3 PQL or per QAPP	Sensitivity; supports PALs in O&M manual.	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: within limits. CCV; in limits. Sampling error- FD not collected/analyxed with this SDG.	X	-	

(*Tier III criteria)

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

ECC Region I Data Review Worksheet (rv 2) **Metals 6010B/7000**
Project: New London 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**	**HNO3**	**8-coolers 1.1, 1,1, 1,3, 1.5, 1.8, 5.1, 2.1 & 11 °C**	**Alpha Laboratory Westborough , MA**	**0308385**

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
2-GW38DS-03	L0308385-01
2-GW45DS-03	L0308385-02
2-GW44DS-03	L0308385-03
2-GW12D-03	L0308385-04
2-GW37S-03	L0308385-05
2-GW42DS-03	L0308385-06
2-GW-1S-03	L0308385-07
2-GW-21S-03	L0308385-08
2-GW41DS-03	L0308385-09
2-GW40DS-03	L0308385-10
2-GW20S-03	L0308385-11

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	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects 3) preserved per method (amber bottles, temperature. J, UJ, or R (function of HT and compound)	Cooler temperatures >6C in one of the 8 coolers. Since the samples in that particular cooler could not be identified, all the samples in this SDG are qualified. Sample custody transferred from Field Team Leader to lab sample courier. Unbroken Chain of Custody. All detects qualified J and all non-detects are qualified UJ.	X	All detects qualified J and all non-detects are qualified UJ.	
Holding Time	1) 180 days (6010), Hg 28 Days to analysis 2) J –detects, UJ or R –nondetects (function of time)	Date sent: 08/21/03 Date Analysed: 09/05/ 03 and Hg on 08/29/03. Sample prepared/analyzed within holding times. 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: (lab ID L0308385-06) for total metals and dissolved metals. Lab duplicate RPDs<MPC for total and dissolved metals except dissolved Cr. Laboratory precision adequate for other compounds. Cr results qualified with J for detects and UJ for non-detects.	X	Cr results qualified with J for detects and UJ for non-detects.	
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	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
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 not analyzed with this SDG.	-	-	
% 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 MRL but greater than the MDL are estimated values and are qualified J. See attached data summary table.	x	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	Total metals: Ca 0.037 ppm Zn 0.0049 ppm (<0.0245) K 0.45 ppm Na 0.46 ppm Dissolved metals: Ba 0.00047 ppm Ca 0.029 ppm Mg 0.029 ppm Zn 0.0022 ppm (<0.011) K 0.96 ppm (<4.8) Na 0.96 ppm Results < 5x the above concentrations are qualified U.	X	All samples except 06 for total Zn, all samples 06 & 011 for dissolved Zn and sample 07 for dissolved K 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 4) >125% J detects	Lab ID 0308385-06 for MS sample for totals and dissolved metals. Hg MS %R<LCL in the total and dissolved metals MS samples. Dissolved Se MS %R< MPC, but the matrix spike was not greater than 4X the native field sample level. No samples qualified.	X	Hg total and dissolved results qualified UJ.	
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) QC, IS, RRT meet criteria, 5) %RSD < 20% 6) MDL< MQL (3x less ideal) 7) Lab fortitied blank (see VOA/SV Part II – section X). 8) *Check and recalculate %RSDs and %R fir three compounds (with 10% of lab)	Pb MRL greater than the O&M reporting limit. Pb IDL > selected groundwater criterion. Samples 02, 03, 06, 08, & 10 were diluted by 5X due to the high sodium levels. Sample dilution has raised the MRL to be greater than the O&M reporting limit in these samples. For the target site metals, As, Be, Cd, Cr, Cu, and Zn the IDL is less than the selected groundwater criterion. No action other than notation.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
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. No samples were qualified due to negative blank detections.	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	Instrument id – Trace3. 09/05/03. ICAL performed according to method. Two point calibration and check standards. The pre-analysis check standard was within limits.	X	-	
Initial and Continuing Calibration Blanks	1) Ical blank after Ical 2) CCB every 10 samples end of run 3) Results > QL; sample results <5X ; sample result U (nd) 4) Sample results >5X blank level; no action	Total and dissolved metals both run in the same batch. Instrument id – Trace3. ICB Ba 0.0006 ppm Be 0.00068 ppm[all samples] Cd 0.00062 ppm[all samples] Co 0.0006 ppm (<0.003) [01 through 011 except 04 & 05 for both total & dissolved] Mn 0.0006 ppm V 0.0009 ppm (<0.0045)[01 through 011 except 09 & 010 for both total & dissolved] Na 0.06 ppm CCB Ba 0.0005 ppm Cd 0.00055 ppm Mg 0.01 ppm Mn 0.0006 ppm Ag 0.0007 ppm (<0.0035) [01 through 011 except 06 for dissolved Ag and all samples for total Ag] K 0.21 ppm Na 0.35 ppm	X	Dissolved metals: All samples except 06 in Ag, all samples except 04 & 05 in Co and all samples except 09 & 010 in V qualified U. Total metals: All samples in Ag, all samples except 04 & 05 in Co and all samples except 09 & 010 in V qualified U. Be & Cd qualified U for all samples for both total and dissolved metals.	
Serial Dilution	1) once per digestion batch 2) Meets method limits (RPD 10%). 3) Metal results >50X MDL levels.	SD on native sample lab ID 0308385-01. Serial Dilution within limits for site COC elements. No apparent matrix bias.	x	-	

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 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 QC limits. 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 QC limits. No samples qualified.	X	-	
Post Digestion Spike	1) 75- 125% R	PDS on native sample lab ID 0308385-06 %R's within limits for Site COCs. Serial dilution within limits. There is no apparent matrix bias.	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	All detects qualified J and all non-detects qualified UJ due to temperature exceedance in one of the coolers. Laboratory accuracy is acceptable. Accuracy is shown by the LCS being within limits. The ICS-A, and ICS-AB were within limits for all elements. Laboratory precision acceptable for all compounds except Cr, whose lab duplicate results were outside QC limits. ICAL; 2-point calibration. ICV: within limits. CCV: within limits. Post digestion spike; within limits. Serial dilution: within limits. Matrix spike within limits except Hg. No apparent matrix bias for other compounds. Blank contamination: Prep blanks – Zn results and dissolved K results were qualified. ICBs & CCBs – Ag, Co & V samples were qualified Sampling error- FD pair not collected/analyzed with this SDG. Sample results are usable for project decision making.	X	-	

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

CHAIN OF CUSTODY page 2 of 2

ALPHA
Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client: ECL
Address: 50 O[illegible] Drive
Marlborough, MA 01752
Phone: 508 229 2270
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

Project Name: Area A Landfill
Project Location: New London, CT
Project #:
Project Manager: Darren Gaines
ALPHA Quote #:

☑ Standard ☐ RUSH (only if pre-approved)
Date Due: Time:

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

☐ Same as Client Info | PO #:

State /Fed.	Program	Criteria

Other Project Specific Requirements/Comments: MW 38DS contained no groundwater after a 24-hour recharge period. Partial sample collected.

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

Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Metals	Dissolved Metals *	TSS	Air Sep TOC	SVOC	VPH	TOC	COD					Sample Specific Comments	
2 ECL 38DS-03	8/20/03	1335	GW		X	X		X	X	X	X	X					* Dissolved metals are Field Filtered	8
2-GW45DS-03	8/19/03	1436	GW		X	X	X	X	X	X	X	X						11
2-GW44DS-03	8/19/03	1617	GW		X	X	X	X	X	X	X	X						11
2-GW12D-03	8/20/03	1315	GW		X	X	X	X	X	X	X	X						11
2 GW37S-03	8/20/03	1522	GW		X	X	X	X	X	X	X	X						11
2-GW42DS-03 MS/MSD	8/18/03	1308	GW		X	X	X	X	X	X	X	X						22
2-GW1S-03	8/21/03	0915	GW		X	X	X	X	X	X	X	X						11
2-GW21S-03	8/21/03	1115	GW		X	X	X	X	X	X	X	X						11
2-GW41DS-03	8/21/03	0908	GW		X	X	X	X	X	X	X	X						11
2-GW40DS-03	8/19/03	1610	GW		X	X	X	X	X	X	X	X						11
2-GW20S-03	8/21/03	1343	GW		X	X	X	X	X	X	X	X						11
Container Type																		
Preservative																		

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	8/21/03 17:35	[signature]	8/21/03 17:35

Form No. 02-02 STD

DATA SUMMARY TABLE
ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2LMW20S	4/15/2003	L0303389-02	8270C	1,2,4-Trichlorobenzene	5	UJ	5	1	0.743	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	Hexachlorobenzene	5	UJ	5	1	1.21	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	Bis(2-chloroethyl)ether	5	UJ	5	1	1.34	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	1,2-Dichlorobenzene	5	UJ	5	1	1.02	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	1,3-Dichlorobenzene	5	UJ	5	1	1.05	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	1,4-Dichlorobenzene	5	UJ	5	1	1.06	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	3,3'-Dichlorobenzidine	50	UJ	50	1	3.18	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	2,4-Dinitrotoluene	6	UJ	6	1	1.45	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	2,6-Dinitrotoluene	5	UJ	5	1	1.46	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	4-Chlorophenyl phenyl ether	5	UJ	5	1	0.86	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	4-Bromophenyl phenyl ether	5	UJ	5	1	1.06	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	Bis(2-chloroisopropyl)ether	5	UJ	5	1	2.3	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	Bis(2-chloroethoxy)methane	5	UJ	5	1	1.15	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	Hexachlorobutadiene	10	UJ	10	1	0.63	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	Hexachlorocyclopentadiene	10	UJ	10	1	0.45	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	Hexachloroethane	5	UJ	5	1	0.67	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	Isophorone	5	UJ	5	1	0.8	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	Nitrobenzene	5	UJ	5	1	0.69	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	NDPA/DPA	15	UJ	15	1	1.47	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	n-Nitrosodi-n-propylamine	5	UJ	5	1	0.64	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	Butyl benzyl phthalate	5	UJ	5	1	0.78	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	Di-n-butylphthalate	5	UJ	5	1	1.32	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	Di-n-octylphthalate	5	UJ	5	1	1.47	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	Diethyl phthalate	5	UJ	5	1	1.24	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	Dimethyl phthalate	5	UJ	5	1	1.26	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	4-Chloroaniline	5	UJ	5	1	3.15	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	2-Nitroaniline	5	UJ	5	1	1.08	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	3-Nitroaniline	5	UJ	5	1	3.72	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	4-Nitroaniline	7	UJ	7	1	2.67	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	Dibenzofuran	5	UJ	5	1	2.49	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	2,4,6-Trichlorophenol	5	UJ	5	1	2.14	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	p-Chloro-m-cresol	5	UJ	5	1	1.52	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	2-Chlorophenol	6	UJ	6	1	2.72	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	2,4-Dichlorophenol	10	UJ	10	1	2.24	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	2,4-Dimethylphenol	10	UJ	10	1	2.59	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	2-Nitrophenol	20	UJ	20	1	2.9	ug/l
2LMW20S	4/15/2003	L0303389-02	2320B	Alkalinity, Total	34		2	1	2	mg CaCO3/L
2LMW20S	4/15/2003	L0303389-02	8270C	4-Nitrophenol	10	UJ	10	1	1.94	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	2,4-Dinitrophenol	20	UJ	20	1	2.33	ug/l
2LMW20S	4/15/2003	L0303389-02	2340B	Hardness	53		1.7	1	0.66	mg CaCO3/L
2LMW20S	4/15/2003	L0303389-02	9251	Chloride	55		1	1	1	mg/l
2LMW20S	4/15/2003	L0303389-02	9060	Total Organic Carbon	2.1		0.5	1	0.5	mg/l

DATA SUMMARY TABLE
ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2LMW20S	4/15/2003	L0303389-02	8270C	4,6-Dinitro-o-cresol	20	UJ	20	1	2.3	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	Pentachlorophenol	20	UJ	20	1	2.44	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	Phenol	7	UJ	7	1	1.11	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	2-Methylphenol	6	UJ	6	1	1.97	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	3-Methylphenol/4-Methylphenol	6	UJ	6	1	1.9	ug/l
2LMW20S	4/15/2003	L0303389-02	6010B	Barium, Dissolved	0.02		0.01	1	0.0002	mg/l
2LMW20S	4/15/2003	L0303389-02	8270C	2,4,5-Trichlorophenol	5	UJ	5	1	2.05	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	Carbazole	2	UJ	2	1	1.59	ug/l
2LMW20S	4/15/2003	L0303389-02	6010B	Iron, Dissolved	0.16		0.05	1	0.027	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Manganese, Dissolved	0.07		0.01	1	0.0002	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Calcium, Dissolved	18		0.5	1	0.0013	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Magnesium, Dissolved	2		0.5	1	0.0045	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Potassium, Dissolved	3.2		2	1	0.2702	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Sodium, Dissolved	45		1	1	0.5148	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Aluminum, Total	0.11		0.1	1	0.0192	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Barium, Total	0.02		0.01	1	0.0002	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Iron, Total	0.32		0.05	1	0.027	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Manganese, Total	0.06		0.01	1	0.0002	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Zinc, Total	0.05		0.05	1	0.0007	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Calcium, Total	16		0.5	1	0.0013	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Magnesium, Total	1.8		0.5	1	0.0045	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Potassium, Total	2.8		2	1	0.2702	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Sodium, Total	40		1	1	0.5148	mg/l
2LMW20S	4/15/2003	L0303389-02	2540C	Solids, Total Dissolved	170		10	1	10	mg/l
2LMW20S	4/15/2003	L0303389-02	8270C-M	Acenaphthene	0.1	U	0.1	1	0.1	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C-M	2-Chloronaphthalene	0.1	UJ	0.1	1	0.1	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C-M	Fluoranthene	0.1	U	0.1	1	0.1	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C-M	Naphthalene	0.1	U	0.1	1	0.1	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C-M	Benzo(a)anthracene	0.1	U	0.1	1	0.1	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C-M	Benzo(a)pyrene	0.1	U	0.1	1	0.1	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C-M	Benzo(b)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C-M	Benzo(k)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C-M	Chrysene	0.1	U	0.1	1	0.1	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C-M	Acenaphthylene	0.1	U	0.1	1	0.1	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C-M	Anthracene	0.1	U	0.1	1	0.1	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C-M	Benzo(ghi)perylene	0.1	U	0.1	1	0.1	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C-M	Fluorene	0.1	U	0.1	1	0.1	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C-M	Phenanthrene	0.1	U	0.1	1	0.1	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C-M	Dibenzo(a,h)anthracene	0.1	U	0.1	1	0.1	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C-M	Indeno(1,2,3-cd)Pyrene	0.1	U	0.1	1	0.1	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C-M	Pyrene	0.1	U	0.1	1	0.1	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C-M	2-Methylnaphthalene	0.2	U	0.2	1	0.2	ug/l

DATA SUMMARY TABLE
ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2LMW20S	4/15/2003	L0303389-02	8270C-M	Nitrobenzene-d5	65			1		%
2LMW20S	4/15/2003	L0303389-02	8270C-M	2-Fluorobiphenyl	67			1		%
2LMW20S	4/15/2003	L0303389-02	8270C-M	4-Terphenyl-d14	108			1		%
2LMW20S	4/15/2003	L0303389-02	8270C	Bis(2-ethylhexyl)phthalate	12	U	5	1	1.5	ug/l
2LMW20S	4/15/2003	L0303389-02	8270C	2-Fluorophenol	28			1		%
2LMW20S	4/15/2003	L0303389-02	8270C	Phenol-d6	20			1		%
2LMW20S	4/15/2003	L0303389-02	8270C	Nitrobenzene-d5	56			1		%
2LMW20S	4/15/2003	L0303389-02	8270C	2-Fluorobiphenyl	55			1		%
2LMW20S	4/15/2003	L0303389-02	8270C	2,4,6-Tribromophenol	34			1		%
2LMW20S	4/15/2003	L0303389-02	8270C	4-Terphenyl-d14	86			1		%
2LMW20S	4/15/2003	L0303389-02	9038	Sulfate	10	U	10	1	10	mg/l
2LMW20S	4/15/2003	L0303389-02	5220D	Chemical Oxygen Demand	20	U	20	1	20	mg/l
2LMW20S	4/15/2003	L0303389-02	2540D	Solids, Total Suspended	5	U	5	1	5	mg/l
2LMW20S	4/15/2003	L0303389-02	7470A	Mercury, Total	0.0002	U	0.0002	1	0.000012	mg/l
2LMW20S	4/15/2003	L0303389-02	7470A	Mercury, Dissolved	0.0002	U	0.0002	1	0.000012	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Aluminum, Dissolved	0.1	U	0.1	1	0.0192	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Antimony, Dissolved	0.05	U	0.05	1	0.0023	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Arsenic, Dissolved	0.004	U	0.004	1	0.002	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Beryllium, Dissolved	0.004	U	0.004	1	0.0008	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Cadmium, Dissolved	0.005	U	0.005	1	0.0002	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Chromium, Dissolved	0.01	U	0.01	1	0.0006	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Cobalt, Dissolved	0.02	U	0.02	1	0.0005	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Copper, Dissolved	0.01	U	0.01	1	0.0012	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Lead, Dissolved	0.01	U	0.01	1	0.0011	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Nickel, Dissolved	0.025	U	0.025	1	0.0009	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Selenium, Dissolved	0.01	U	0.01	1	0.0018	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Silver, Dissolved	0.01	U	0.01	1	0.0007	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Thallium, Dissolved	0.02	U	0.02	1	0.0026	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Vanadium, Dissolved	0.01	U	0.01	1	0.0009	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Zinc, Dissolved	0.05	U	0.05	1	0.0007	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Antimony, Total	0.05	U	0.05	1	0.0023	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Arsenic, Total	0.004	U	0.004	1	0.002	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Beryllium, Total	0.004	U	0.004	1	0.0008	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Cadmium, Total	0.005	U	0.005	1	0.0002	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Chromium, Total	0.01	U	0.01	1	0.0006	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Cobalt, Total	0.02	U	0.02	1	0.0005	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Copper, Total	0.01	U	0.01	1	0.0012	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Lead, Total	0.01	U	0.01	1	0.0011	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Nickel, Total	0.025	U	0.025	1	0.0009	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Selenium, Total	0.01	U	0.01	1	0.0018	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Silver, Total	0.01	U	0.01	1	0.0007	mg/l
2LMW20S	4/15/2003	L0303389-02	6010B	Thallium, Total	0.02	U	0.02	1	0.0026	mg/l

DATA SUMMARY TABLE
ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2LMW20S	4/15/2003	L0303389-02	6010B	Vanadium, Total	0.01	U	0.01	1	0.0009	mg/l
2SP01-01	4/3/2003	L0303029-04	9038	Sulfate	12		10	1	10	mg/l
2SP01-01	4/3/2003	L0303029-04	9060	Total Organic Carbon	3.4		2	4	0.5	mg/l
2SP01-01	4/3/2003	L0303029-04	9251	Chloride	210		10	10	1	mg/l
2SP01-01	4/3/2003	L0303029-04	2320B	Alkalinity, Total	63		2	1	2	mg CaCO3/L
2SP01-01	4/3/2003	L0303029-04	2340B	Hardness	100		1.7	1	0.66	mg CaCO3/L
2SP01-01	4/3/2003	L0303029-04	2540C	Solids, Total Dissolved	480		10	1	10	mg/l
2SP01-01	4/3/2003	L0303029-04	2540D	Solids, Total Suspended	13		5	1	5	mg/l
2SP01-01	4/3/2003	L0303029-04	5220D	Chemical Oxygen Demand	20	U	20	1	20	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Aluminum, Dissolved	0.1	U	0.1	1	0.0192	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Aluminum, Total	0.1	U	0.1	1	0.0192	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Antimony, Dissolved	0.05	U	0.05	1	0.0023	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Antimony, Total	0.05	U	0.05	1	0.0023	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Arsenic, Dissolved	0.004	U	0.004	1	0.002	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Arsenic, Total	0.004	U	0.004	1	0.002	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Barium, Dissolved	0.06		0.01	1	0.0002	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Barium, Total	0.06		0.01	1	0.0002	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Beryllium, Dissolved	0.004	U	0.004	1	0.0008	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Beryllium, Total	0.004	U	0.004	1	0.0008	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Cadmium, Dissolved	0.005	U	0.005	1	0.0002	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Cadmium, Total	0.005	U	0.005	1	0.0002	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Calcium, Dissolved	22		0.5	1	0.0013	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Calcium, Total	22		0.5	1	0.0013	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Chromium, Dissolved	0.01	U	0.01	1	0.0006	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Chromium, Total	0.01	U	0.01	1	0.0006	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Cobalt, Dissolved	0.02	U	0.02	1	0.0005	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Cobalt, Total	0.02	U	0.02	1	0.0005	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Copper, Dissolved	0.01	U	0.01	1	0.0012	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Copper, Total	0.01	U	0.01	1	0.0012	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Iron, Dissolved	7.3	J	0.05	1	0.027	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Iron, Total	9.3	J	0.05	1	0.027	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Lead, Dissolved	0.01	U	0.01	1	0.0011	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Lead, Total	0.01	U	0.01	1	0.0011	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Magnesium, Dissolved	12		0.5	1	0.0045	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Magnesium, Total	11		0.5	1	0.0045	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Manganese, Dissolved	1.2		0.01	1	0.0002	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Manganese, Total	1.2		0.01	1	0.0002	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Nickel, Dissolved	0.025	U	0.025	1	0.0009	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Nickel, Total	0.025	U	0.025	1	0.0009	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Potassium, Dissolved	6.6		2	1	0.2702	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Potassium, Total	5.5		2	1	0.2702	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Selenium, Dissolved	0.01	U	0.01	1	0.0018	mg/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2SP01-01	4/3/2003	L0303029-04	6010B	Selenium, Total	0.01	U	0.01	1	0.0018	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Silver, Dissolved	0.01	JU	0.01	1	0.0007	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Silver, Total	0.01	UJ	0.01	1	0.0007	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Sodium, Dissolved	130	J	1	1	0.5148	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Sodium, Total	120	J	1	1	0.5148	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Thallium, Dissolved	0.02	U	0.02	1	0.0026	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Thallium, Total	0.02	U	0.02	1	0.0026	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Vanadium, Dissolved	0.01	U	0.01	1	0.0009	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Vanadium, Total	0.01	U	0.01	1	0.0009	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Zinc, Dissolved	0.05	U	0.05	1	0.0007	mg/l
2SP01-01	4/3/2003	L0303029-04	6010B	Zinc, Total	0.05	U	0.05	1	0.0007	mg/l
2SP01-01	4/3/2003	L0303029-04	7470A	Mercury, Dissolved	0.0002	U	0.0002	1	0.000012	mg/l
2SP01-01	4/3/2003	L0303029-04	7470A	Mercury, Total	0.0002	U	0.0002	1	0.000012	mg/l
2SP01-01	4/3/2003	L0303029-04	8270C	1,2,4-Trichlorobenzene	5	U	5	1	0.743	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	1,2-Dichlorobenzene	5	U	5	1	1.02	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	1,3-Dichlorobenzene	5	U	5	1	1.05	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	1,4-Dichlorobenzene	5	U	5	1	1.06	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	2,4,5-Trichlorophenol	5	U	5	1	2.05	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	2,4,6-Tribromophenol	78			1		%
2SP01-01	4/3/2003	L0303029-04	8270C	2,4,6-Trichlorophenol	5	U	5	1	2.14	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	2,4-Dichlorophenol	10	U	10	1	2.24	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	2,4-Dimethylphenol	10	U	10	1	2.59	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	2,4-Dinitrophenol	20	U	20	1	2.33	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	2,4-Dinitrotoluene	6	U	6	1	1.45	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	2,6-Dinitrotoluene	5	U	5	1	1.46	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	2-Chlorophenol	6	U	6	1	2.72	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	2-Fluorobiphenyl	72			1		%
2SP01-01	4/3/2003	L0303029-04	8270C	2-Fluorophenol	37			1		%
2SP01-01	4/3/2003	L0303029-04	8270C	2-Methylphenol	6	U	6	1	1.97	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	2-Nitroaniline	5	U	5	1	1.08	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	2-Nitrophenol	20	U	20	1	2.9	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	3,3'-Dichlorobenzidine	50	U	50	1	3.18	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	3-Methylphenol/4-Methylphenol	6	U	6	1	1.9	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	3-Nitroaniline	5	U	5	1	3.72	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	4,6-Dinitro-o-cresol	20	U	20	1	2.3	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	4-Bromophenyl phenyl ether	5	U	5	1	1.06	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	4-Chloroaniline	5	U	5	1	3.15	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	4-Chlorophenyl phenyl ether	5	U	5	1	0.86	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	4-Nitroaniline	7	U	7	1	2.67	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	4-Nitrophenol	10	U	10	1	1.94	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	4-Terphenyl-d14	81			1		%
2SP01-01	4/3/2003	L0303029-04	8270C	Bis(2-chloroethoxy)methane	5	U	5	1	1.15	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2SP01-01	4/3/2003	L0303029-04	8270C	Bis(2-chloroethyl)ether	5	U	5	1	1.34	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	Bis(2-chloroisopropyl)ether	5	U	5	1	2.3	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	Bis(2-ethylhexyl)phthalate	5	U	5	1	1.5	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	Butyl benzyl phthalate	5	U	5	1	0.78	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	Carbazole	2	U	2	1	1.59	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	Dibenzofuran	5	U	5	1	2.49	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	Diethyl phthalate	5	U	5	1	1.24	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	Dimethyl phthalate	5	U	5	1	1.26	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	Di-n-butylphthalate	5	U	5	1	1.32	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	Di-n-octylphthalate	5	U	5	1	1.47	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	Hexachlorobenzene	5	U	5	1	1.21	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	Hexachlorobutadiene	10	U	10	1	0.63	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	Hexachlorocyclopentadiene	10	U	10	1	0.45	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	Hexachloroethane	5	U	5	1	0.67	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	Isophorone	5	U	5	1	0.8	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	NDPA/DPA	15	U	15	1	1.47	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	Nitrobenzene	5	U	5	1	0.69	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	Nitrobenzene-d5	70			1		%
2SP01-01	4/3/2003	L0303029-04	8270C	n-Nitrosodi-n-propylamine	5	U	5	1	0.64	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	p-Chloro-m-cresol	5	U	5	1	1.52	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	Pentachlorophenol	20	U	20	1	2.44	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	Phenol	7	UJ	7	1	1.11	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C	Phenol-d6	28			1		%
2SP01-01	4/3/2003	L0303029-04	8270C-M	2-Chloronaphthalene	0.1	U	0.1	1	0.1	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C-M	2-Fluorobiphenyl	86			1		%
2SP01-01	4/3/2003	L0303029-04	8270C-M	2-Methylnaphthalene	0.2	UJ	0.2	1	0.2	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C-M	4-Terphenyl-d14	83			1		%
2SP01-01	4/3/2003	L0303029-04	8270C-M	Acenaphthene	0.1	U	0.1	1	0.1	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C-M	Acenaphthylene	0.1	U	0.1	1	0.1	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C-M	Anthracene	0.1	U	0.1	1	0.1	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C-M	Benzo(a)pyrene	0.1	U	0.1	1	0.1	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C-M	Benzo(b)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C-M	Benzo(ghi)perylene	0.1	U	0.1	1	0.1	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C-M	Benzo(k)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C-M	Chrysene	0.1	U	0.1	1	0.1	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C-M	Dibenzo(a,h)anthracene	0.1	U	0.1	1	0.1	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C-M	Fluoranthene	0.1	U	0.1	1	0.1	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C-M	Fluorene	0.1	U	0.1	1	0.1	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C-M	Indeno(1,2,3-cd)Pyrene	0.1	U	0.1	1	0.1	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C-M	Naphthalene	0.1	U	0.1	1	0.1	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C-M	Nitrobenzene-d5	71			1		%
2SP01-01	4/3/2003	L0303029-04	8270C-M	Phenanthrene	0.1	U	0.1	1	0.1	ug/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2SP01-01	4/3/2003	L0303029-04	8270C-M	Pyrene	0.1	U	0.1	1	0.1	ug/l
2SP01-01	4/3/2003	L0303029-04	8270C-M	Benzo(a)anthracene	0.1	U	0.1	1	0.1	ug/l
2-SW18-01	4/11/2003	L0303295-06	9038	Sulfate	10	U	10	1	10	mg/l
2-SW18-01	4/11/2003	L0303295-06	2320B	Alkalinity, Total	48		2	1	2	mg CaCO3/L
2-SW18-01	4/11/2003	L0303295-06	5220D	Chemical Oxygen Demand	20	U	20	1	20	mg/l
2-SW18-01	4/11/2003	L0303295-06	2540D	Solids, Total Suspended	6.7		5	1	5	mg/l
2-SW18-01	4/11/2003	L0303295-06	9251	Chloride	83		1	1	1	mg/l
2-SW18-01	4/11/2003	L0303295-06	9060	Total Organic Carbon	2.9		0.5	1	0.5	mg/l
2-SW18-01	4/11/2003	L0303295-06	7470A	Mercury, Total	0.0002	J	0.0002	1	0.000012	mg/l
2-SW18-01	4/11/2003	L0303295-06	7470A	Mercury, Dissolved	0.0002	U	0.0002	1	0.000012	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Aluminum, Dissolved	0.1	U	0.1	1	0.0192	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Antimony, Dissolved	0.05	U	0.05	1	0.0023	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Arsenic, Dissolved	0.004	U	0.004	1	0.002	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Barium, Dissolved	0.03		0.01	1	0.0002	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Beryllium, Dissolved	0.004	U	0.004	1	0.0008	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Cadmium, Dissolved	0.005	U	0.005	1	0.0002	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Calcium, Dissolved	18		0.5	1	0.0013	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Chromium, Dissolved	0.01	U	0.01	1	0.0006	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Cobalt, Dissolved	0.02	U	0.02	1	0.0005	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Copper, Dissolved	0.01	U	0.01	1	0.0012	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Iron, Dissolved	1.2		0.05	1	0.027	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Lead, Dissolved	0.01	U	0.01	1	0.0011	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Magnesium, Dissolved	3.7		0.5	1	0.0045	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Manganese, Dissolved	0.15		0.01	1	0.0002	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Nickel, Dissolved	0.025	U	0.025	1	0.0009	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Selenium, Dissolved	0.01	U	0.01	1	0.0018	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Silver, Dissolved	0.01	U	0.01	1	0.0007	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Thallium, Dissolved	0.02	U	0.02	1	0.0026	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Vanadium, Dissolved	0.01	U	0.01	1	0.0009	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Zinc, Dissolved	0.05	U	0.05	1	0.0007	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Potassium, Dissolved	3.8		2	1	0.2702	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Sodium, Dissolved	53		1	1	0.5148	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Hardness	60		1.7	1	1.66	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Aluminum, Total	0.1	U	0.1	1	0.0192	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Antimony, Total	0.05	U	0.05	1	0.0023	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Arsenic, Total	0.004	U	0.004	1	0.002	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Barium, Total	0.03		0.01	1	0.0002	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Beryllium, Total	0.004	U	0.004	1	0.0008	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Cadmium, Total	0.005	U	0.005	1	0.0002	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Calcium, Total	18		0.5	1	0.0013	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Chromium, Total	0.01	U	0.01	1	0.0006	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Cobalt, Total	0.02	U	0.02	1	0.0005	mg/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW18-01	4/11/2003	L0303295-06	6010B	Copper, Total	0.01	U	0.01	1	0.0012	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Iron, Total	2.7		0.05	1	0.027	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Lead, Total	0.01	U	0.01	1	0.0011	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Magnesium, Total	3.7		0.5	1	0.0045	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Manganese, Total	0.15		0.01	1	0.0002	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Nickel, Total	0.025	U	0.025	1	0.0009	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Selenium, Total	0.01	U	0.01	1	0.0018	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Silver, Total	0.01	U	0.01	1	0.0007	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Thallium, Total	0.02	U	0.02	1	0.0026	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Vanadium, Total	0.01	U	0.01	1	0.0009	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Zinc, Total	0.05	U	0.05	1	0.0007	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Potassium, Total	3.5		2	1	0.2702	mg/l
2-SW18-01	4/11/2003	L0303295-06	6010B	Sodium, Total	52		1	1	0.5148	mg/l
2-SW18-01	4/11/2003	L0303295-06	2540C	Solids, Total Dissolved	220		10	1	10	mg/l
2-SW18-01	4/11/2003	L0303295-06	8270C-M	Acenaphthene	0.1	U	0.1	1	0.1	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C-M	2-Chloronaphthalene	0.1	U	0.1	1	0.1	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C-M	Fluoranthene	0.1	U	0.1	1	0.1	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C-M	Naphthalene	0.1	U	0.1	1	0.1	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C-M	Benzo(a)anthracene	0.1	U	0.1	1	0.1	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C-M	Benzo(a)pyrene	0.1	U	0.1	1	0.1	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C-M	Benzo(b)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C-M	Benzo(k)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C-M	Chrysene	0.1	U	0.1	1	0.1	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C-M	Acenaphthylene	0.1	U	0.1	1	0.1	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C-M	Anthracene	0.1	U	0.1	1	0.1	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C-M	Benzo(ghi)perylene	0.1	U	0.1	1	0.1	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C-M	Fluorene	0.1	U	0.1	1	0.1	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C-M	Phenanthrene	0.1	U	0.1	1	0.1	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C-M	Dibenzo(a,h)anthracene	0.1	U	0.1	1	0.1	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C-M	Indeno(1,2,3-cd)Pyrene	0.1	U	0.1	1	0.1	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C-M	Pyrene	0.1	U	0.1	1	0.1	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C-M	2-Methylnaphthalene	0.2	U	0.2	1	0.2	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C-M	Nitrobenzene-d5	71			1		%
2-SW18-01	4/11/2003	L0303295-06	8270C-M	2-Fluorobiphenyl	73			1		%
2-SW18-01	4/11/2003	L0303295-06	8270C-M	4-Terphenyl-d14	112			1		%
2-SW18-01	4/11/2003	L0303295-06	8270C	1,2,4-Trichlorobenzene	5	UJ	5	1	0.743	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	Hexachlorobenzene	5	UJ	5	1	1.21	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	Bis(2-chloroethyl)ether	5	UJ	5	1	1.34	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	1,2-Dichlorobenzene	5	UJ	5	1	1.02	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	1,3-Dichlorobenzene	5	UJ	5	1	1.05	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	1,4-Dichlorobenzene	5	UJ	5	1	1.06	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	3,3'-Dichlorobenzidine	50	UJ	50	1	3.18	ug/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW18-01	4/11/2003	L0303295-06	8270C	2,4-Dinitrotoluene	6	UJ	6	1	1.45	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	2,6-Dinitrotoluene	5	UJ	5	1	1.46	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	4-Chlorophenyl phenyl ether	5	UJ	5	1	0.86	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	4-Bromophenyl phenyl ether	5	UJ	5	1	1.06	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	Bis(2-chloroisopropyl)ether	5	UJ	5	1	2.3	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	Bis(2-chloroethoxy)methane	5	UJ	5	1	1.15	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	Hexachlorobutadiene	10	UJ	10	1	0.63	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	Hexachlorocyclopentadiene	10	UJ	10	1	0.45	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	Hexachloroethane	5	UJ	5	1	0.67	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	Isophorone	5	UJ	5	1	0.8	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	Nitrobenzene	5	UJ	5	1	0.69	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	NDPA/DPA	15	UJ	15	1	1.47	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	n-Nitrosodi-n-propylamine	5	UJ	5	1	0.64	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	Bis(2-ethylhexyl)phthalate	6.8	U	6.8	1	1.5	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	Butyl benzyl phthalate	5	UJ	5	1	0.78	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	Di-n-butylphthalate	5	UJ	5	1	1.32	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	Di-n-octylphthalate	5	UJ	5	1	1.47	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	Diethyl phthalate	5	UJ	5	1	1.24	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	Dimethyl phthalate	5	UJ	5	1	1.26	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	4-Chloroaniline	5	UJ	5	1	3.15	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	2-Nitroaniline	5	UJ	5	1	1.08	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	3-Nitroaniline	5	UJ	5	1	3.72	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	4-Nitroaniline	7	UJ	7	1	2.67	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	Dibenzofuran	5	UJ	5	1	2.49	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	2,4,6-Trichlorophenol	5	UJ	5	1	2.14	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	p-Chloro-m-cresol	5	UJ	5	1	1.52	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	2-Chlorophenol	6	UJ	6	1	2.72	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	2,4-Dichlorophenol	10	UJ	10	1	2.24	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	2,4-Dimethylphenol	10	UJ	10	1	2.59	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	2-Nitrophenol	20	UJ	20	1	2.9	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	4-Nitrophenol	10	UJ	10	1	1.94	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	2,4-Dinitrophenol	20	UJ	20	1	2.33	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	4,6-Dinitro-o-cresol	20	UJ	20	1	2.3	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	Pentachlorophenol	20	UJ	20	1	2.44	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	Phenol	7	UJ	7	1	1.11	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	2-Methylphenol	6	UJ	6	1	1.97	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	3-Methylphenol/4-Methylphenol	6	UJ	6	1	1.9	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	2,4,5-Trichlorophenol	5	UJ	5	1	2.05	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	Carbazole	2	UJ	2	1	1.59	ug/l
2-SW18-01	4/11/2003	L0303295-06	8270C	2-Fluorophenol	36			1		%
2-SW18-01	4/11/2003	L0303295-06	8270C	Phenol-d6	28			1		%
2-SW18-01	4/11/2003	L0303295-06	8270C	Nitrobenzene-d5	74			1		%

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW18-01	4/11/2003	L0303295-06	8270C	2-Fluorobiphenyl	68			1		%
2-SW18-01	4/11/2003	L0303295-06	8270C	2,4,6-Tribromophenol	38			1		%
2-SW18-01	4/11/2003	L0303295-06	8270C	4-Terphenyl-d14	104			1		%
2-SW19-01	4/8/2003	L0303197-03	9038	Sulfate	10	ND	10	1	10	mg/l
2-SW19-01	4/8/2003	L0303197-03	2320B	Alkalinity, Total	73		2	1	2	mg CaCO3/L
2-SW19-01	4/8/2003	L0303197-03	5220D	Chemical Oxygen Demand	32		20	1	20	mg/l
2-SW19-01	4/8/2003	L0303197-03	2540D	Solids, Total Suspended	24		5	1	5	mg/l
2-SW19-01	4/8/2003	L0303197-03	2340B	Hardness	85		1.7	1	0.66	mg CaCO3/L
2-SW19-01	4/8/2003	L0303197-03	9251	Chloride	96		5	5	1	mg/l
2-SW19-01	4/8/2003	L0303197-03	9060	Total Organic Carbon	7.3		5	10	0.5	mg/l
2-SW19-01	4/8/2003	L0303197-03	7470A	Mercury, Total	0.0002	J	0.0002	1	0.000012	mg/l
2-SW19-01	4/8/2003	L0303197-03	7470A	Mercury, Dissolved	0.0002	ND	0.0002	1	0.000012	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Aluminum, Dissolved	0.1	ND	0.1	1	0.0192	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Antimony, Dissolved	0.05	ND	0.05	1	0.0023	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Arsenic, Dissolved	0.004	ND	0.004	1	0.002	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Barium, Dissolved	0.04		0.01	1	0.0002	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Beryllium, Dissolved	0.004	ND	0.004	1	0.0008	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Cadmium, Dissolved	0.005	ND	0.005	1	0.0002	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Chromium, Dissolved	0.01	ND	0.01	1	0.0006	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Cobalt, Dissolved	0.02	ND	0.02	1	0.0005	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Copper, Dissolved	0.01	ND	0.01	1	0.0012	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Iron, Dissolved	5.9		0.05	1	0.027	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Lead, Dissolved	0.01	ND	0.01	1	0.0011	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Manganese, Dissolved	0.22		0.01	1	0.0002	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Nickel, Dissolved	0.025	ND	0.025	1	0.0009	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Selenium, Dissolved	0.01	ND	0.01	1	0.0018	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Silver, Dissolved	0.01	ND	0.01	1	0.0007	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Thallium, Dissolved	0.02	ND	0.02	1	0.0026	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Vanadium, Dissolved	0.01	ND	0.01	1	0.0009	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Zinc, Dissolved	0.06		0.05	1	0.0007	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Calcium, Dissolved	27		0.5	1	0.0013	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Magnesium, Dissolved	4.3		0.5	1	0.0045	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Potassium, Dissolved	4.7		2	1	0.2702	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Sodium, Dissolved	60		1	1	0.5148	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Aluminum, Total	0.1	ND	0.1	1	0.0192	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Antimony, Total	0.05	ND	0.05	1	0.0023	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Arsenic, Total	0.004	ND	0.004	1	0.002	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Barium, Total	0.04		0.01	1	0.0002	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Beryllium, Total	0.004	ND	0.004	1	0.0008	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Cadmium, Total	0.005	ND	0.005	1	0.0002	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Chromium, Total	0.01	ND	0.01	1	0.0006	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Cobalt, Total	0.02	ND	0.02	1	0.0005	mg/l

DATA SUMMARY TABLE
ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW19-01	4/8/2003	L0303197-03	6010B	Copper, Total	0.01	ND	0.01	1	0.0012	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Iron, Total	10		0.05	1	0.027	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Lead, Total	0.01	ND	0.01	1	0.0011	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Manganese, Total	0.23		0.01	1	0.0002	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Nickel, Total	0.025	ND	0.025	1	0.0009	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Selenium, Total	0.01	ND	0.01	1	0.0018	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Silver, Total	0.01	ND	0.01	1	0.0007	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Thallium, Total	0.02	ND	0.02	1	0.0026	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Vanadium, Total	0.01	ND	0.01	1	0.0009	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Zinc, Total	0.12		0.05	1	0.0007	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Calcium, Total	27		0.5	1	0.0013	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Magnesium, Total	4.3		0.5	1	0.0045	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Potassium, Total	4.3		2	1	0.2702	mg/l
2-SW19-01	4/8/2003	L0303197-03	6010B	Sodium, Total	60		1	1	0.5148	mg/l
2-SW19-01	4/8/2003	L0303197-03	2540C	Solids, Total Dissolved	270		10	1	10	mg/l
2-SW19-01	4/8/2003	L0303197-03	8270C-M	Acenaphthene	1.6		0.1	1	0.1	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C-M	2-Chloronaphthalene	0.1	ND	0.1	1	0.1	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C-M	Fluoranthene	0.12		0.1	1	0.1	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C-M	Naphthalene	4.6		0.1	1	0.1	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C-M	Benzo(a)anthracene	0.1	ND	0.1	1	0.1	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C-M	Benzo(a)pyrene	0.1	ND	0.1	1	0.1	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C-M	Benzo(b)fluoranthene	0.1	ND	0.1	1	0.1	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C-M	Benzo(k)fluoranthene	0.1	ND	0.1	1	0.1	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C-M	Chrysene	0.1	ND	0.1	1	0.1	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C-M	Acenaphthylene	0.1	ND	0.1	1	0.1	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C-M	Anthracene	0.1	ND	0.1	1	0.1	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C-M	Benzo(ghi)perylene	0.1	ND	0.1	1	0.1	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C-M	Fluorene	0.85		0.1	1	0.1	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C-M	Phenanthrene	0.48		0.1	1	0.1	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C-M	Dibenzo(a,h)anthracene	0.1	ND	0.1	1	0.1	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C-M	Indeno(1,2,3-cd)Pyrene	0.1	ND	0.1	1	0.1	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C-M	Pyrene	0.1	ND	0.1	1	0.1	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C-M	2-Methylnaphthalene	0.83		0.2	1	0.2	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C-M	Nitrobenzene-d5	70			1		%
2-SW19-01	4/8/2003	L0303197-03	8270C-M	2-Fluorobiphenyl	72			1		%
2-SW19-01	4/8/2003	L0303197-03	8270C-M	4-Terphenyl-d14	88			1		%
2-SW19-01	4/8/2003	L0303197-03	8270C	1,2,4-Trichlorobenzene	5	ND	5	1	0.743	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	Hexachlorobenzene	5	ND	5	1	1.21	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	Bis(2-chloroethyl)ether	5	ND	5	1	1.34	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	1,2-Dichlorobenzene	5	ND	5	1	1.02	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	1,3-Dichlorobenzene	5	ND	5	1	1.05	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	1,4-Dichlorobenzene	5	ND	5	1	1.06	ug/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW19-01	4/8/2003	L0303197-03	8270C	3,3'-Dichlorobenzidine	50	ND	50	1	3.18	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	2,4-Dinitrotoluene	6	ND	6	1	1.45	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	2,6-Dinitrotoluene	5	ND	5	1	1.46	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	4-Chlorophenyl phenyl ether	5	ND	5	1	0.86	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	4-Bromophenyl phenyl ether	5	ND	5	1	1.06	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	Bis(2-chloroisopropyl)ether	5	ND	5	1	2.3	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	Bis(2-chloroethoxy)methane	5	ND	5	1	1.15	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	Hexachlorobutadiene	10	ND	10	1	0.63	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	Hexachlorocyclopentadiene	10	ND	10	1	0.45	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	Hexachloroethane	5	ND	5	1	0.67	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	Isophorone	5	ND	5	1	0.8	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	Nitrobenzene	5	ND	5	1	0.69	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	NDPA/DPA	15	ND	15	1	1.47	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	n-Nitrosodi-n-propylamine	5	ND	5	1	0.64	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	Bis(2-ethylhexyl)phthalate	5	ND	5	1	1.5	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	Butyl benzyl phthalate	5	ND	5	1	0.78	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	Di-n-butylphthalate	5	ND	5	1	1.32	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	Di-n-octylphthalate	5	ND	5	1	1.47	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	Diethyl phthalate	5	ND	5	1	1.24	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	Dimethyl phthalate	5	ND	5	1	1.26	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	4-Chloroaniline	5	ND	5	1	3.15	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	2-Nitroaniline	5	ND	5	1	1.08	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	3-Nitroaniline	5	ND	5	1	3.72	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	4-Nitroaniline	7	ND	7	1	2.67	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	Dibenzofuran	5	ND	5	1	2.49	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	2,4,6-Trichlorophenol	5	ND	5	1	2.14	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	p-Chloro-m-cresol	5	ND	5	1	1.52	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	2-Chlorophenol	6	ND	6	1	2.72	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	2,4-Dichlorophenol	10	ND	10	1	2.24	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	2,4-Dimethylphenol	10	ND	10	1	2.59	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	2-Nitrophenol	20	ND	20	1	2.9	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	4-Nitrophenol	10	ND	10	1	1.94	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	2,4-Dinitrophenol	20	ND	20	1	2.33	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	4,6-Dinitro-o-cresol	20	ND	20	1	2.3	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	Pentachlorophenol	20	ND	20	1	2.44	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	Phenol	7	ND	7	1	1.11	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	2-Methylphenol	6	ND	6	1	1.97	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	3-Methylphenol/4-Methylphenol	6	ND	6	1	1.9	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	2,4,5-Trichlorophenol	5	ND	5	1	2.05	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	Carbazole	2	ND	2	1	1.59	ug/l
2-SW19-01	4/8/2003	L0303197-03	8270C	2-Fluorophenol	36			1		%
2-SW19-01	4/8/2003	L0303197-03	8270C	Phenol-d6	24			1		%

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW19-01	4/8/2003	L0303197-03	8270C	Nitrobenzene-d5	68			1		%
2-SW19-01	4/8/2003	L0303197-03	8270C	2-Fluorobiphenyl	65			1		%
2-SW19-01	4/8/2003	L0303197-03	8270C	2,4,6-Tribromophenol	38			1		%
2-SW19-01	4/8/2003	L0303197-03	8270C	4-Terphenyl-d14	77			1		%
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	9038	Sulfate	11		10	1	10	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	2320B	Alkalinity, Total	32		2	1	2	mg CaCO3/L
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	5220D	Chemical Oxygen Demand	20	U	20	1	20	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	2540D	Solids, Total Suspended	5	U	5	1	5	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	9251	Chloride	71		1	1	1	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	9060	Total Organic Carbon	2.8		0.5	1	0.5	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	7470A	Mercury, Total	0.0002	J	0.0002	1	0.000012	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	7470A	Mercury, Dissolved	0.0002	U	0.0002	1	0.000012	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Aluminum, Dissolved	0.1	U	0.1	1	0.0192	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Antimony, Dissolved	0.05	U	0.05	1	0.0023	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Arsenic, Dissolved	0.004	U	0.004	1	0.002	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Barium, Dissolved	0.02		0.01	1	0.0002	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Beryllium, Dissolved	0.004	U	0.004	1	0.0008	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Cadmium, Dissolved	0.005	U	0.005	1	0.0002	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Calcium, Dissolved	14		0.5	1	0.0013	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Chromium, Dissolved	0.01	U	0.01	1	0.0006	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Cobalt, Dissolved	0.02	U	0.02	1	0.0005	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Copper, Dissolved	0.01	U	0.01	1	0.0012	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Iron, Dissolved	0.67		0.05	1	0.027	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Lead, Dissolved	0.01	U	0.01	1	0.0011	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Magnesium, Dissolved	3.2		0.5	1	0.0045	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Manganese, Dissolved	0.08		0.01	1	0.0002	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Nickel, Dissolved	0.025	U	0.025	1	0.0009	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Selenium, Dissolved	0.01	U	0.01	1	0.0018	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Silver, Dissolved	0.01	U	0.01	1	0.0007	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Thallium, Dissolved	0.02	U	0.02	1	0.0026	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Vanadium, Dissolved	0.01	U	0.01	1	0.0009	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Zinc, Dissolved	0.05	U	0.05	1	0.0007	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Potassium, Dissolved	3.3		2	1	0.2702	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Sodium, Dissolved	45		1	1	0.5148	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Hardness	49		1.7	1	1.66	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Aluminum, Total	0.1	U	0.1	1	0.0192	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Antimony, Total	0.05	U	0.05	1	0.0023	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Arsenic, Total	0.004	U	0.004	1	0.002	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Barium, Total	0.02		0.01	1	0.0002	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Beryllium, Total	0.004	U	0.004	1	0.0008	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Cadmium, Total	0.005	U	0.005	1	0.0002	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Calcium, Total	14		0.5	1	0.0013	mg/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Chromium, Total	0.01	U	0.01	1	0.0006	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Cobalt, Total	0.02	U	0.02	1	0.0005	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Copper, Total	0.01	U	0.01	1	0.0012	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Iron, Total	1.1		0.05	1	0.027	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Lead, Total	0.01	U	0.01	1	0.0011	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Magnesium, Total	3.2		0.5	1	0.0045	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Manganese, Total	0.08		0.01	1	0.0002	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Nickel, Total	0.025	U	0.025	1	0.0009	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Selenium, Total	0.01	U	0.01	1	0.0018	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Silver, Total	0.01	U	0.01	1	0.0007	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Thallium, Total	0.02	U	0.02	1	0.0026	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Vanadium, Total	0.01	U	0.01	1	0.0009	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Zinc, Total	0.05	U	0.05	1	0.0007	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Potassium, Total	2.8		2	1	0.2702	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	6010B	Sodium, Total	44		1	1	0.5148	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	2540C	Solids, Total Dissolved	190		10	1	10	mg/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C-M	Acenaphthene	0.1	U	0.1	1	0.1	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C-M	2-Chloronaphthalene	0.1	U	0.1	1	0.1	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C-M	Fluoranthene	0.1	U	0.1	1	0.1	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C-M	Naphthalene	0.1	U	0.1	1	0.1	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C-M	Benzo(a)anthracene	0.1	U	0.1	1	0.1	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C-M	Benzo(a)pyrene	0.1	U	0.1	1	0.1	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C-M	Benzo(b)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C-M	Benzo(k)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C-M	Chrysene	0.1	U	0.1	1	0.1	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C-M	Acenaphthylene	0.1	U	0.1	1	0.1	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C-M	Anthracene	0.1	U	0.1	1	0.1	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C-M	Benzo(ghi)perylene	0.1	U	0.1	1	0.1	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C-M	Fluorene	0.1	U	0.1	1	0.1	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C-M	Phenanthrene	0.1	U	0.1	1	0.1	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C-M	Dibenzo(a,h)anthracene	0.1	U	0.1	1	0.1	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C-M	Indeno(1,2,3-cd)Pyrene	0.1	U	0.1	1	0.1	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C-M	Pyrene	0.1	U	0.1	1	0.1	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C-M	2-Methylnaphthalene	0.2	U	0.2	1	0.2	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C-M	Nitrobenzene-d5	80			1		%
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C-M	2-Fluorobiphenyl	79			1		%
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C-M	4-Terphenyl-d14	101			1		%
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	1,2,4-Trichlorobenzene	5	UJ	5	1	0.743	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	Hexachlorobenzene	5	UJ	5	1	1.21	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	Bis(2-chloroethyl)ether	5	UJ	5	1	1.34	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	1,2-Dichlorobenzene	5	UJ	5	1	1.02	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	1,3-Dichlorobenzene	5	UJ	5	1	1.05	ug/l

DATA SUMMARY TABLE
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AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	1,4-Dichlorobenzene	5	UJ	5	1	1.06	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	3,3'-Dichlorobenzidine	50	UJ	50	1	3.18	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	2,4-Dinitrotoluene	6	UJ	6	1	1.45	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	2,6-Dinitrotoluene	5	UJ	5	1	1.46	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	4-Chlorophenyl phenyl ether	5	UJ	5	1	0.86	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	4-Bromophenyl phenyl ether	5	UJ	5	1	1.06	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	Bis(2-chloroisopropyl)ether	5	UJ	5	1	2.3	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	Bis(2-chloroethoxy)methane	5	UJ	5	1	1.15	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	Hexachlorobutadiene	10	UJ	10	1	0.63	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	Hexachlorocyclopentadiene	10	UJ	10	1	0.45	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	Hexachloroethane	5	UJ	5	1	0.67	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	Isophorone	5	UJ	5	1	0.8	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	Nitrobenzene	5	UJ	5	1	0.69	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	NDPA/DPA	15	UJ	15	1	1.47	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	n-Nitrosodi-n-propylamine	5	UJ	5	1	0.64	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	Bis(2-ethylhexyl)phthalate	7.2	U	7.2	1	1.5	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	Butyl benzyl phthalate	5	UJ	5	1	0.78	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	Di-n-butylphthalate	5	UJ	5	1	1.32	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	Di-n-octylphthalate	5	UJ	5	1	1.47	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	Diethyl phthalate	5	UJ	5	1	1.24	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	Dimethyl phthalate	5	UJ	5	1	1.26	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	4-Chloroaniline	5	UJ	5	1	3.15	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	2-Nitroaniline	5	UJ	5	1	1.08	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	3-Nitroaniline	5	UJ	5	1	3.72	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	4-Nitroaniline	7	UJ	7	1	2.67	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	Dibenzofuran	5	UJ	5	1	2.49	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	2,4,6-Trichlorophenol	5	UJ	5	1	2.14	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	p-Chloro-m-cresol	5	UJ	5	1	1.52	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	2-Chlorophenol	6	UJ	6	1	2.72	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	2,4-Dichlorophenol	10	UJ	10	1	2.24	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	2,4-Dimethylphenol	10	UJ	10	1	2.59	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	2-Nitrophenol	20	UJ	20	1	2.9	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	4-Nitrophenol	10	UJ	10	1	1.94	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	2,4-Dinitrophenol	20	UJ	20	1	2.33	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	4,6-Dinitro-o-cresol	20	UJ	20	1	2.3	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	Pentachlorophenol	20	UJ	20	1	2.44	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	Phenol	7	UJ	7	1	1.11	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	2-Methylphenol	6	UJ	6	1	1.97	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	3-Methylphenol/4-Methylphenol	6	UJ	6	1	1.9	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	2,4,5-Trichlorophenol	5	UJ	5	1	2.05	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	Carbazole	2	UJ	2	1	1.59	ug/l
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	2-Fluorophenol	34			1		%

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	Phenol-d6	30			1		%
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	Nitrobenzene-d5	85			1		%
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	2-Fluorobiphenyl	76			1		%
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	2,4,6-Tribromophenol	26			1		%
2-SW21-01 MS/MSD	4/11/2003	L0303295-01	8270C	4-Terphenyl-d14	98			1		%
2-SW22-01	4/11/2003	L0303295-02	9038	Sulfate	12		10	1	10	mg/l
2-SW22-01	4/11/2003	L0303295-02	2320B	Alkalinity, Total	66		2	1	2	mg CaCO3/L
2-SW22-01	4/11/2003	L0303295-02	5220D	Chemical Oxygen Demand	23		20	1	20	mg/l
2-SW22-01	4/11/2003	L0303295-02	2540D	Solids, Total Suspended	28		5	1	5	mg/l
2-SW22-01	4/11/2003	L0303295-02	9251	Chloride	74		1	1	1	mg/l
2-SW22-01	4/11/2003	L0303295-02	9060	Total Organic Carbon	3.8		0.5	1	0.5	mg/l
2-SW22-01	4/11/2003	L0303295-02	7470A	Mercury, Total	0.0002	J	0.0002	1	0.000012	mg/l
2-SW22-01	4/11/2003	L0303295-02	7470A	Mercury, Dissolved	0.0002	U	0.0002	1	0.000012	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Aluminum, Dissolved	0.1	U	0.1	1	0.0192	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Antimony, Dissolved	0.05	U	0.05	1	0.0023	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Arsenic, Dissolved	0.004	U	0.004	1	0.002	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Barium, Dissolved	0.05		0.01	1	0.0002	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Beryllium, Dissolved	0.004	U	0.004	1	0.0008	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Cadmium, Dissolved	0.005	U	0.005	1	0.0002	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Calcium, Dissolved	25		0.5	1	0.0013	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Chromium, Dissolved	0.01	U	0.01	1	0.0006	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Cobalt, Dissolved	0.02	U	0.02	1	0.0005	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Copper, Dissolved	0.01	U	0.01	1	0.0012	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Iron, Dissolved	2.6		0.05	1	0.027	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Lead, Dissolved	0.01	U	0.01	1	0.0011	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Magnesium, Dissolved	3.9		0.5	1	0.0045	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Manganese, Dissolved	0.29		0.01	1	0.0002	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Nickel, Dissolved	0.025	U	0.025	1	0.0009	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Selenium, Dissolved	0.01	U	0.01	1	0.0018	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Silver, Dissolved	0.01	U	0.01	1	0.0007	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Thallium, Dissolved	0.02	U	0.02	1	0.0026	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Vanadium, Dissolved	0.01	U	0.01	1	0.0009	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Zinc, Dissolved	0.06		0.05	1	0.0007	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Potassium, Dissolved	4		2	1	0.2702	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Sodium, Dissolved	46		1	1	0.5148	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Hardness	83		1.7	1	1.66	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Aluminum, Total	0.13		0.1	1	0.0192	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Antimony, Total	0.05	U	0.05	1	0.0023	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Arsenic, Total	0.004	U	0.004	1	0.002	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Barium, Total	0.05		0.01	1	0.0002	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Beryllium, Total	0.004	U	0.004	1	0.0008	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Cadmium, Total	0.005	U	0.005	1	0.0002	mg/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW22-01	4/11/2003	L0303295-02	6010B	Calcium, Total	26		0.5	1	0.0013	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Chromium, Total	0.01	U	0.01	1	0.0006	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Cobalt, Total	0.02	U	0.02	1	0.0005	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Copper, Total	0.01	U	0.01	1	0.0012	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Iron, Total	8.3		0.05	1	0.027	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Lead, Total	0.01	U	0.01	1	0.0011	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Magnesium, Total	4.1		0.5	1	0.0045	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Manganese, Total	0.3		0.01	1	0.0002	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Nickel, Total	0.025	U	0.025	1	0.0009	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Selenium, Total	0.01	U	0.01	1	0.0018	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Silver, Total	0.01	U	0.01	1	0.0007	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Thallium, Total	0.02	U	0.02	1	0.0026	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Vanadium, Total	0.01	U	0.01	1	0.0009	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Zinc, Total	0.08		0.05	1	0.0007	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Potassium, Total	4		2	1	0.2702	mg/l
2-SW22-01	4/11/2003	L0303295-02	6010B	Sodium, Total	47		1	1	0.5148	mg/l
2-SW22-01	4/11/2003	L0303295-02	2540C	Solids, Total Dissolved	230		10	1	10	mg/l
2-SW22-01	4/11/2003	L0303295-02	8270C-M	Acenaphthene	0.1	U	0.1	1	0.1	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C-M	2-Chloronaphthalene	0.1	U	0.1	1	0.1	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C-M	Fluoranthene	0.1	U	0.1	1	0.1	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C-M	Naphthalene	0.1	U	0.1	1	0.1	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C-M	Benzo(a)anthracene	0.1	U	0.1	1	0.1	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C-M	Benzo(a)pyrene	0.1	U	0.1	1	0.1	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C-M	Benzo(b)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C-M	Benzo(k)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C-M	Chrysene	0.1	U	0.1	1	0.1	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C-M	Acenaphthylene	0.1	U	0.1	1	0.1	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C-M	Anthracene	0.1	U	0.1	1	0.1	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C-M	Benzo(ghi)perylene	0.1	U	0.1	1	0.1	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C-M	Fluorene	0.1	U	0.1	1	0.1	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C-M	Phenanthrene	0.1	U	0.1	1	0.1	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C-M	Dibenzo(a,h)anthracene	0.1	U	0.1	1	0.1	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C-M	Indeno(1,2,3-cd)Pyrene	0.1	U	0.1	1	0.1	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C-M	Pyrene	0.1	U	0.1	1	0.1	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C-M	2-Methylnaphthalene	0.2	U	0.2	1	0.2	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C-M	Nitrobenzene-d5	67			1		%
2-SW22-01	4/11/2003	L0303295-02	8270C-M	2-Fluorobiphenyl	67			1		%
2-SW22-01	4/11/2003	L0303295-02	8270C-M	4-Terphenyl-d14	106			1		%
2-SW22-01	4/11/2003	L0303295-02	8270C	1,2,4-Trichlorobenzene	5	UJ	5	1	0.743	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	Hexachlorobenzene	5	UJ	5	1	1.21	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	Bis(2-chloroethyl)ether	5	UJ	5	1	1.34	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	1,2-Dichlorobenzene	5	UJ	5	1	1.02	ug/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW22-01	4/11/2003	L0303295-02	8270C	1,3-Dichlorobenzene	5	UJ	5	1	1.05	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	1,4-Dichlorobenzene	5	UJ	5	1	1.06	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	3,3'-Dichlorobenzidine	50	UJ	50	1	3.18	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	2,4-Dinitrotoluene	6	UJ	6	1	1.45	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	2,6-Dinitrotoluene	5	UJ	5	1	1.46	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	4-Chlorophenyl phenyl ether	5	UJ	5	1	0.86	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	4-Bromophenyl phenyl ether	5	UJ	5	1	1.06	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	Bis(2-chloroisopropyl)ether	5	UJ	5	1	2.3	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	Bis(2-chloroethoxy)methane	5	UJ	5	1	1.15	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	Hexachlorobutadiene	10	UJ	10	1	0.63	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	Hexachlorocyclopentadiene	10	UJ	10	1	0.45	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	Hexachloroethane	5	UJ	5	1	0.67	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	Isophorone	5	UJ	5	1	0.8	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	Nitrobenzene	5	UJ	5	1	0.69	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	NDPA/DPA	15	UJ	15	1	1.47	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	n-Nitrosodi-n-propylamine	5	UJ	5	1	0.64	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	Bis(2-ethylhexyl)phthalate	6.7	U	6.7	1	1.5	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	Butyl benzyl phthalate	5	UJ	5	1	0.78	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	Di-n-butylphthalate	5	UJ	5	1	1.32	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	Di-n-octylphthalate	5	UJ	5	1	1.47	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	Diethyl phthalate	5	UJ	5	1	1.24	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	Dimethyl phthalate	5	UJ	5	1	1.26	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	4-Chloroaniline	5	UJ	5	1	3.15	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	2-Nitroaniline	5	UJ	5	1	1.08	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	3-Nitroaniline	5	UJ	5	1	3.72	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	4-Nitroaniline	7	UJ	7	1	2.67	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	Dibenzofuran	5	UJ	5	1	2.49	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	2,4,6-Trichlorophenol	5	UJ	5	1	2.14	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	p-Chloro-m-cresol	5	UJ	5	1	1.52	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	2-Chlorophenol	6	UJ	6	1	2.72	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	2,4-Dichlorophenol	10	UJ	10	1	2.24	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	2,4-Dimethylphenol	10	UJ	10	1	2.59	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	2-Nitrophenol	20	UJ	20	1	2.9	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	4-Nitrophenol	10	UJ	10	1	1.94	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	2,4-Dinitrophenol	20	UJ	20	1	2.33	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	4,6-Dinitro-o-cresol	20	UJ	20	1	2.3	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	Pentachlorophenol	20	UJ	20	1	2.44	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	Phenol	7	UJ	7	1	1.11	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	2-Methylphenol	6	UJ	6	1	1.97	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	3-Methylphenol/4-Methylphenol	6	UJ	6	1	1.9	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	2,4,5-Trichlorophenol	5	UJ	5	1	2.05	ug/l
2-SW22-01	4/11/2003	L0303295-02	8270C	Carbazole	2	UJ	2	1	1.59	ug/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW22-01	4/11/2003	L0303295-02	8270C	2-Fluorophenol	36			1		%
2-SW22-01	4/11/2003	L0303295-02	8270C	Phenol-d6	27			1		%
2-SW22-01	4/11/2003	L0303295-02	8270C	Nitrobenzene-d5	68			1		%
2-SW22-01	4/11/2003	L0303295-02	8270C	2-Fluorobiphenyl	63			1		%
2-SW22-01	4/11/2003	L0303295-02	8270C	2,4,6-Tribromophenol	35			1		%
2-SW22-01	4/11/2003	L0303295-02	8270C	4-Terphenyl-d14	100			1		%
2-SW23-01	4/11/2003	L0303295-03	9038	Sulfate	10	U	10	1	10	mg/l
2-SW23-01	4/11/2003	L0303295-03	2320B	Alkalinity, Total	47		2	1	2	mg CaCO3/L
2-SW23-01	4/11/2003	L0303295-03	5220D	Chemical Oxygen Demand	20	U	20	1	20	mg/l
2-SW23-01	4/11/2003	L0303295-03	2540D	Solids, Total Suspended	9.5		5	1	5	mg/l
2-SW23-01	4/11/2003	L0303295-03	9251	Chloride	53		1	1	1	mg/l
2-SW23-01	4/11/2003	L0303295-03	9060	Total Organic Carbon	3.5		0.5	1	0.5	mg/l
2-SW23-01	4/11/2003	L0303295-03	7470A	Mercury, Total	0.0002	J	0.0002	1	0.000012	mg/l
2-SW23-01	4/11/2003	L0303295-03	7470A	Mercury, Dissolved	0.0002	U	0.0002	1	0.000012	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Aluminum, Dissolved	0.1	U	0.1	1	0.0192	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Antimony, Dissolved	0.05	U	0.05	1	0.0023	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Arsenic, Dissolved	0.004	U	0.004	1	0.002	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Barium, Dissolved	0.04		0.01	1	0.0002	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Beryllium, Dissolved	0.004	U	0.004	1	0.0008	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Cadmium, Dissolved	0.005	U	0.005	1	0.0002	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Calcium, Dissolved	17		0.5	1	0.0013	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Chromium, Dissolved	0.01	U	0.01	1	0.0006	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Cobalt, Dissolved	0.02	U	0.02	1	0.0005	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Copper, Dissolved	0.01	U	0.01	1	0.0012	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Iron, Dissolved	6.4		0.05	1	0.027	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Lead, Dissolved	0.01	U	0.01	1	0.0011	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Magnesium, Dissolved	3.1		0.5	1	0.0045	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Manganese, Dissolved	0.34		0.01	1	0.0002	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Nickel, Dissolved	0.025	U	0.025	1	0.0009	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Selenium, Dissolved	0.01	U	0.01	1	0.0018	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Silver, Dissolved	0.01	U	0.01	1	0.0007	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Thallium, Dissolved	0.02	U	0.02	1	0.0026	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Vanadium, Dissolved	0.01	U	0.01	1	0.0009	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Zinc, Dissolved	0.25		0.05	1	0.0007	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Potassium, Dissolved	3		2	1	0.2702	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Sodium, Dissolved	37		1	1	0.5148	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Hardness	37		1.7	1	1.66	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Aluminum, Total	0.1	U	0.1	1	0.0192	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Antimony, Total	0.05	U	0.05	1	0.0023	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Arsenic, Total	0.004	U	0.004	1	0.002	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Barium, Total	0.03		0.01	1	0.0002	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Beryllium, Total	0.004	U	0.004	1	0.0008	mg/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW23-01	4/11/2003	L0303295-03	6010B	Cadmium, Total	0.005	U	0.005	1	0.0002	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Calcium, Total	11		0.5	1	0.0013	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Chromium, Total	0.01	U	0.01	1	0.0006	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Cobalt, Total	0.02	U	0.02	1	0.0005	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Copper, Total	0.01	U	0.01	1	0.0012	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Iron, Total	2.9		0.05	1	0.027	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Lead, Total	0.01	U	0.01	1	0.0011	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Magnesium, Total	2.1		0.5	1	0.0045	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Manganese, Total	0.22		0.01	1	0.0002	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Nickel, Total	0.025	U	0.025	1	0.0009	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Selenium, Total	0.01	U	0.01	1	0.0018	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Silver, Total	0.01	U	0.01	1	0.0007	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Thallium, Total	0.02	U	0.02	1	0.0026	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Vanadium, Total	0.01	U	0.01	1	0.0009	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Zinc, Total	0.49		0.05	1	0.0007	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Potassium, Total	2		2	1	0.2702	mg/l
2-SW23-01	4/11/2003	L0303295-03	6010B	Sodium, Total	22		1	1	0.5148	mg/l
2-SW23-01	4/11/2003	L0303295-03	2540C	Solids, Total Dissolved	160		10	1	10	mg/l
2-SW23-01	4/11/2003	L0303295-03	8270C-M	Acenaphthene	0.1	U	0.1	1	0.1	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C-M	2-Chloronaphthalene	0.1	U	0.1	1	0.1	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C-M	Fluoranthene	0.1	U	0.1	1	0.1	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C-M	Naphthalene	0.1	U	0.1	1	0.1	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C-M	Benzo(a)anthracene	0.1	U	0.1	1	0.1	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C-M	Benzo(a)pyrene	0.1	U	0.1	1	0.1	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C-M	Benzo(b)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C-M	Benzo(k)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C-M	Chrysene	0.1	U	0.1	1	0.1	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C-M	Acenaphthylene	0.1	U	0.1	1	0.1	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C-M	Anthracene	0.1	U	0.1	1	0.1	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C-M	Benzo(ghi)perylene	0.1	U	0.1	1	0.1	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C-M	Fluorene	0.1	U	0.1	1	0.1	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C-M	Phenanthrene	0.1	U	0.1	1	0.1	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C-M	Dibenzo(a,h)anthracene	0.1	U	0.1	1	0.1	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C-M	Indeno(1,2,3-cd)Pyrene	0.1	U	0.1	1	0.1	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C-M	Pyrene	0.1	U	0.1	1	0.1	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C-M	2-Methylnaphthalene	0.2	U	0.2	1	0.2	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C-M	Nitrobenzene-d5	77			1		%
2-SW23-01	4/11/2003	L0303295-03	8270C-M	2-Fluorobiphenyl	78			1		%
2-SW23-01	4/11/2003	L0303295-03	8270C-M	4-Terphenyl-d14	91			1		%
2-SW23-01	4/11/2003	L0303295-03	8270C	1,2,4-Trichlorobenzene	5	UJ	5	1	0.743	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	Hexachlorobenzene	5	UJ	5	1	1.21	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	Bis(2-chloroethyl)ether	5	UJ	5	1	1.34	ug/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW23-01	4/11/2003	L0303295-03	8270C	1,2-Dichlorobenzene	5	UJ	5	1	1.02	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	1,3-Dichlorobenzene	5	UJ	5	1	1.05	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	1,4-Dichlorobenzene	5	UJ	5	1	1.06	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	3,3'-Dichlorobenzidine	50	UJ	50	1	3.18	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	2,4-Dinitrotoluene	6	UJ	6	1	1.45	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	2,6-Dinitrotoluene	5	UJ	5	1	1.46	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	4-Chlorophenyl phenyl ether	5	UJ	5	1	0.86	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	4-Bromophenyl phenyl ether	5	UJ	5	1	1.06	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	Bis(2-chloroisopropyl)ether	5	UJ	5	1	2.3	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	Bis(2-chloroethoxy)methane	5	UJ	5	1	1.15	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	Hexachlorobutadiene	10	UJ	10	1	0.63	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	Hexachlorocyclopentadiene	10	UJ	10	1	0.45	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	Hexachloroethane	5	UJ	5	1	0.67	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	Isophorone	5	UJ	5	1	0.8	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	Nitrobenzene	5	UJ	5	1	0.69	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	NDPA/DPA	15	UJ	15	1	1.47	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	n-Nitrosodi-n-propylamine	5	UJ	5	1	0.64	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	Bis(2-ethylhexyl)phthalate	5.9	U	5.9	1	1.5	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	Butyl benzyl phthalate	5	UJ	5	1	0.78	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	Di-n-butylphthalate	5	UJ	5	1	1.32	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	Di-n-octylphthalate	5	UJ	5	1	1.47	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	Diethyl phthalate	5	UJ	5	1	1.24	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	Dimethyl phthalate	5	UJ	5	1	1.26	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	4-Chloroaniline	5	UJ	5	1	3.15	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	2-Nitroaniline	5	UJ	5	1	1.08	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	3-Nitroaniline	5	UJ	5	1	3.72	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	4-Nitroaniline	7	UJ	7	1	2.67	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	Dibenzofuran	5	UJ	5	1	2.49	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	2,4,6-Trichlorophenol	5	UJ	5	1	2.14	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	p-Chloro-m-cresol	5	UJ	5	1	1.52	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	2-Chlorophenol	6	UJ	6	1	2.72	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	2,4-Dichlorophenol	10	UJ	10	1	2.24	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	2,4-Dimethylphenol	10	UJ	10	1	2.59	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	2-Nitrophenol	20	UJ	20	1	2.9	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	4-Nitrophenol	10	UJ	10	1	1.94	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	2,4-Dinitrophenol	20	UJ	20	1	2.33	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	4,6-Dinitro-o-cresol	20	UJ	20	1	2.3	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	Pentachlorophenol	20	UJ	20	1	2.44	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	Phenol	7	UJ	7	1	1.11	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	2-Methylphenol	6	UJ	6	1	1.97	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	3-Methylphenol/4-Methylphenol	6	UJ	6	1	1.9	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	2,4,5-Trichlorophenol	5	UJ	5	1	2.05	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW23-01	4/11/2003	L0303295-03	8270C	Carbazole	2	UJ	2	1	1.59	ug/l
2-SW23-01	4/11/2003	L0303295-03	8270C	2-Fluorophenol	40			1		%
2-SW23-01	4/11/2003	L0303295-03	8270C	Phenol-d6	32			1		%
2-SW23-01	4/11/2003	L0303295-03	8270C	Nitrobenzene-d5	84			1		%
2-SW23-01	4/11/2003	L0303295-03	8270C	2-Fluorobiphenyl	76			1		%
2-SW23-01	4/11/2003	L0303295-03	8270C	2,4,6-Tribromophenol	33			1		%
2-SW23-01	4/11/2003	L0303295-03	8270C	4-Terphenyl-d14	90			1		%
2-SW24-01	4/11/2003	L0303295-04	9038	Sulfate	10	U	10	1	10	mg/l
2-SW24-01	4/11/2003	L0303295-04	2320B	Alkalinity, Total	78		2	1	2	mg CaCO3/L
2-SW24-01	4/11/2003	L0303295-04	5220D	Chemical Oxygen Demand	30		20	1	20	mg/l
2-SW24-01	4/11/2003	L0303295-04	2540D	Solids, Total Suspended	58		5	1	5	mg/l
2-SW24-01	4/11/2003	L0303295-04	9251	Chloride	310		10	10	1	mg/l
2-SW24-01	4/11/2003	L0303295-04	9060	Total Organic Carbon	6.2		2.5	5	0.5	mg/l
2-SW24-01	4/11/2003	L0303295-04	7470A	Mercury, Total	0.0002	J	0.0002	1	0.000012	mg/l
2-SW24-01	4/11/2003	L0303295-04	7470A	Mercury, Dissolved	0.0002	U	0.0002	1	0.000012	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Aluminum, Dissolved	0.1	U	0.1	1	0.0192	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Antimony, Dissolved	0.05	U	0.05	1	0.0023	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Arsenic, Dissolved	0.004	U	0.004	1	0.002	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Barium, Dissolved	0.14		0.01	1	0.0002	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Beryllium, Dissolved	0.004	U	0.004	1	0.0008	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Cadmium, Dissolved	0.005	U	0.005	1	0.0002	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Calcium, Dissolved	18		0.5	1	0.0013	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Chromium, Dissolved	0.01	U	0.01	1	0.0006	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Cobalt, Dissolved	0.02	U	0.02	1	0.0005	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Copper, Dissolved	0.01	U	0.01	1	0.0012	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Iron, Dissolved	22		0.05	1	0.027	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Lead, Dissolved	0.01	U	0.01	1	0.0011	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Magnesium, Dissolved	16		0.5	1	0.0045	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Manganese, Dissolved	1.1		0.01	1	0.0002	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Nickel, Dissolved	0.025	U	0.025	1	0.0009	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Selenium, Dissolved	0.01	U	0.01	1	0.0018	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Silver, Dissolved	0.01	U	0.01	1	0.0007	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Thallium, Dissolved	0.02	U	0.02	1	0.0026	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Vanadium, Dissolved	0.01	U	0.01	1	0.0009	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Zinc, Dissolved	0.05	U	0.05	1	0.0007	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Potassium, Dissolved	7.4		2	1	0.2702	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Sodium, Dissolved	170		1	1	0.5148	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Hardness	120		1.7	1	1.66	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Aluminum, Total	0.14	J	0.1	1	0.0192	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Antimony, Total	0.05	U	0.05	1	0.0023	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Arsenic, Total	0.004	J	0.004	1	0.002	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Barium, Total	0.16		0.01	1	0.0002	mg/l

DATA SUMMARY TABLE
ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW24-01	4/11/2003	L0303295-04	6010B	Beryllium, Total	0.004	U	0.004	1	0.0008	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Cadmium, Total	0.005	U	0.005	1	0.0002	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Calcium, Total	18		0.5	1	0.0013	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Chromium, Total	0.01	U	0.01	1	0.0006	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Cobalt, Total	0.02	U	0.02	1	0.0005	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Copper, Total	0.01	U	0.01	1	0.0012	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Iron, Total	28		0.05	1	0.027	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Lead, Total	0.01	U	0.01	1	0.0011	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Magnesium, Total	17		0.5	1	0.0045	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Manganese, Total	1.2		0.01	1	0.0002	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Nickel, Total	0.025	U	0.025	1	0.0009	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Selenium, Total	0.01	U	0.01	1	0.0018	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Silver, Total	0.01	U	0.01	1	0.0007	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Thallium, Total	0.02	U	0.02	1	0.0026	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Vanadium, Total	0.01	U	0.01	1	0.0009	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Zinc, Total	0.05	UJ	0.05	1	0.0007	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Potassium, Total	7.7		2	1	0.2702	mg/l
2-SW24-01	4/11/2003	L0303295-04	6010B	Sodium, Total	190		1	1	0.5148	mg/l
2-SW24-01	4/11/2003	L0303295-04	2540C	Solids, Total Dissolved	620		10	1	10	mg/l
2-SW24-01	4/11/2003	L0303295-04	8270C-M	Acenaphthene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C-M	2-Chloronaphthalene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C-M	Fluoranthene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C-M	Naphthalene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C-M	Benzo(a)anthracene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C-M	Benzo(a)pyrene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C-M	Benzo(b)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C-M	Benzo(k)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C-M	Chrysene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C-M	Acenaphthylene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C-M	Anthracene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C-M	Benzo(ghi)perylene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C-M	Fluorene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C-M	Phenanthrene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C-M	Dibenzo(a,h)anthracene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C-M	Indeno(1,2,3-cd)Pyrene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C-M	Pyrene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C-M	2-Methylnaphthalene	0.2	U	0.2	1	0.2	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C-M	Nitrobenzene-d5	76			1		%
2-SW24-01	4/11/2003	L0303295-04	8270C-M	2-Fluorobiphenyl	75			1		%
2-SW24-01	4/11/2003	L0303295-04	8270C-M	4-Terphenyl-d14	103			1		%
2-SW24-01	4/11/2003	L0303295-04	8270C	1,2,4-Trichlorobenzene	5	UJ	5	1	0.743	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	Hexachlorobenzene	5	UJ	5	1	1.21	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW24-01	4/11/2003	L0303295-04	8270C	Bis(2-chloroethyl)ether	5	UJ	5	1	1.34	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	1,2-Dichlorobenzene	5	UJ	5	1	1.02	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	1,3-Dichlorobenzene	5	UJ	5	1	1.05	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	1,4-Dichlorobenzene	5	UJ	5	1	1.06	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	3,3'-Dichlorobenzidine	50	UJ	50	1	3.18	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	2,4-Dinitrotoluene	6	UJ	6	1	1.45	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	2,6-Dinitrotoluene	5	UJ	5	1	1.46	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	4-Chlorophenyl phenyl ether	5	UJ	5	1	0.86	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	4-Bromophenyl phenyl ether	5	UJ	5	1	1.06	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	Bis(2-chloroisopropyl)ether	5	UJ	5	1	2.3	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	Bis(2-chloroethoxy)methane	5	UJ	5	1	1.15	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	Hexachlorobutadiene	10	UJ	10	1	0.63	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	Hexachlorocyclopentadiene	10	UJ	10	1	0.45	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	Hexachloroethane	5	UJ	5	1	0.67	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	Isophorone	5	UJ	5	1	0.8	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	Nitrobenzene	5	UJ	5	1	0.69	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	NDPA/DPA	15	UJ	15	1	1.47	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	n-Nitrosodi-n-propylamine	5	UJ	5	1	0.64	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	Bis(2-ethylhexyl)phthalate	6.2	U	6.2	1	1.5	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	Butyl benzyl phthalate	5	UJ	5	1	0.78	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	Di-n-butylphthalate	5	UJ	5	1	1.32	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	Di-n-octylphthalate	5	UJ	5	1	1.47	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	Diethyl phthalate	5	UJ	5	1	1.24	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	Dimethyl phthalate	5	UJ	5	1	1.26	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	4-Chloroaniline	5	UJ	5	1	3.15	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	2-Nitroaniline	5	UJ	5	1	1.08	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	3-Nitroaniline	5	UJ	5	1	3.72	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	4-Nitroaniline	7	UJ	7	1	2.67	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	Dibenzofuran	5	UJ	5	1	2.49	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	2,4,6-Trichlorophenol	5	UJ	5	1	2.14	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	p-Chloro-m-cresol	5	UJ	5	1	1.52	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	2-Chlorophenol	6	UJ	6	1	2.72	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	2,4-Dichlorophenol	10	UJ	10	1	2.24	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	2,4-Dimethylphenol	10	UJ	10	1	2.59	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	2-Nitrophenol	20	UJ	20	1	2.9	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	4-Nitrophenol	10	UJ	10	1	1.94	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	2,4-Dinitrophenol	20	UJ	20	1	2.33	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	4,6-Dinitro-o-cresol	20	UJ	20	1	2.3	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	Pentachlorophenol	20	UJ	20	1	2.44	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	Phenol	7	UJ	7	1	1.11	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	2-Methylphenol	6	UJ	6	1	1.97	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	3-Methylphenol/4-Methylphenol	6	UJ	6	1	1.9	ug/l

DATA SUMMARY TABLE
ANNUAL GROUNDWATER MONITORING REPORT
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW24-01	4/11/2003	L0303295-04	8270C	2,4,5-Trichlorophenol	5	UJ	5	1	2.05	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	Carbazole	2	UJ	2	1	1.59	ug/l
2-SW24-01	4/11/2003	L0303295-04	8270C	2-Fluorophenol	38			1		%
2-SW24-01	4/11/2003	L0303295-04	8270C	Phenol-d6	29			1		%
2-SW24-01	4/11/2003	L0303295-04	8270C	Nitrobenzene-d5	74			1		%
2-SW24-01	4/11/2003	L0303295-04	8270C	2-Fluorobiphenyl	66			1		%
2-SW24-01	4/11/2003	L0303295-04	8270C	2,4,6-Tribromophenol	33			1		%
2-SW24-01	4/11/2003	L0303295-04	8270C	4-Terphenyl-d14	93			1		%
2-SW24-01D	4/11/2003	L0303295-05	9038	Sulfate	10	U	10	1	10	mg/l
2-SW24-01D	4/11/2003	L0303295-05	2320B	Alkalinity, Total	72		2	1	2	mg CaCO3/L
2-SW24-01D	4/11/2003	L0303295-05	5220D	Chemical Oxygen Demand	20	U	20	1	20	mg/l
2-SW24-01D	4/11/2003	L0303295-05	2540D	Solids, Total Suspended	31		5	1	5	mg/l
2-SW24-01D	4/11/2003	L0303295-05	9251	Chloride	240		10	10	1	mg/l
2-SW24-01D	4/11/2003	L0303295-05	9060	Total Organic Carbon	5		2.5	5	0.5	mg/l
2-SW24-01D	4/11/2003	L0303295-05	7470A	Mercury, Total	0.0002	J	0.0002	1	0.000012	mg/l
2-SW24-01D	4/11/2003	L0303295-05	7470A	Mercury, Dissolved	0.0002	U	0.0002	1	0.000012	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Aluminum, Dissolved	0.1	U	0.1	1	0.0192	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Antimony, Dissolved	0.05	U	0.05	1	0.0023	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Arsenic, Dissolved	0.004	U	0.004	1	0.002	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Barium, Dissolved	0.14		0.01	1	0.0002	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Beryllium, Dissolved	0.004	U	0.004	1	0.0008	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Cadmium, Dissolved	0.005	U	0.005	1	0.0002	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Calcium, Dissolved	18		0.5	1	0.0013	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Chromium, Dissolved	0.01	U	0.01	1	0.0006	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Cobalt, Dissolved	0.02	U	0.02	1	0.0005	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Copper, Dissolved	0.01	U	0.01	1	0.0012	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Iron, Dissolved	22		0.05	1	0.027	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Lead, Dissolved	0.01	U	0.01	1	0.0011	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Magnesium, Dissolved	16		0.5	1	0.0045	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Manganese, Dissolved	1.2		0.01	1	0.0002	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Nickel, Dissolved	0.025	U	0.025	1	0.0009	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Selenium, Dissolved	0.01	U	0.01	1	0.0018	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Silver, Dissolved	0.01	U	0.01	1	0.0007	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Thallium, Dissolved	0.02	U	0.02	1	0.0026	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Vanadium, Dissolved	0.01	U	0.01	1	0.0009	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Zinc, Dissolved	0.05	U	0.05	1	0.0007	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Potassium, Dissolved	7.2		2	1	0.2702	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Sodium, Dissolved	170		1	1	0.5148	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Hardness	87		1.7	1	1.66	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Aluminum, Total	0.1	UJ	0.1	1	0.0192	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Antimony, Total	0.05	U	0.05	1	0.0023	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Arsenic, Total	0.004	UJ	0.004	1	0.002	mg/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW24-01D	4/11/2003	L0303295-05	6010B	Barium, Total	0.11		0.01	1	0.0002	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Beryllium, Total	0.004	U	0.004	1	0.0008	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Cadmium, Total	0.005	U	0.005	1	0.0002	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Calcium, Total	16		0.5	1	0.0013	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Chromium, Total	0.01	U	0.01	1	0.0006	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Cobalt, Total	0.02	U	0.02	1	0.0005	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Copper, Total	0.01	U	0.01	1	0.0012	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Iron, Total	17		0.05	1	0.027	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Lead, Total	0.01	U	0.01	1	0.0011	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Magnesium, Total	12		0.5	1	0.0045	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Manganese, Total	0.9		0.01	1	0.0002	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Nickel, Total	0.025	U	0.025	1	0.0009	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Selenium, Total	0.01	U	0.01	1	0.0018	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Silver, Total	0.01	U	0.01	1	0.0007	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Thallium, Total	0.02	U	0.02	1	0.0026	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Vanadium, Total	0.01	U	0.01	1	0.0009	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Zinc, Total	0.1	J	0.05	1	0.0007	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Potassium, Total	5.6		2	1	0.2702	mg/l
2-SW24-01D	4/11/2003	L0303295-05	6010B	Sodium, Total	120		1	1	0.5148	mg/l
2-SW24-01D	4/11/2003	L0303295-05	2540C	Solids, Total Dissolved	490		10	1	10	mg/l
2-SW24-01D	4/11/2003	L0303295-05	8270C-M	Acenaphthene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C-M	2-Chloronaphthalene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C-M	Fluoranthene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C-M	Naphthalene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C-M	Benzo(a)anthracene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C-M	Benzo(a)pyrene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C-M	Benzo(b)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C-M	Benzo(k)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C-M	Chrysene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C-M	Acenaphthylene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C-M	Anthracene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C-M	Benzo(ghi)perylene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C-M	Fluorene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C-M	Phenanthrene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C-M	Dibenzo(a,h)anthracene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C-M	Indeno(1,2,3-cd)Pyrene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C-M	Pyrene	0.1	U	0.1	1	0.1	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C-M	2-Methylnaphthalene	0.2	U	0.2	1	0.2	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C-M	Nitrobenzene-d5	90			1		%
2-SW24-01D	4/11/2003	L0303295-05	8270C-M	2-Fluorobiphenyl	89			1		%
2-SW24-01D	4/11/2003	L0303295-05	8270C-M	4-Terphenyl-d14	109			1		%
2-SW24-01D	4/11/2003	L0303295-05	8270C	1,2,4-Trichlorobenzene	5	UJ	5	1	0.743	ug/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW24-01D	4/11/2003	L0303295-05	8270C	Hexachlorobenzene	5	UJ	5	1	1.21	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	Bis(2-chloroethyl)ether	5	UJ	5	1	1.34	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	1,2-Dichlorobenzene	5	UJ	5	1	1.02	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	1,3-Dichlorobenzene	5	UJ	5	1	1.05	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	1,4-Dichlorobenzene	5	UJ	5	1	1.06	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	3,3'-Dichlorobenzidine	50	UJ	50	1	3.18	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	2,4-Dinitrotoluene	6	UJ	6	1	1.45	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	2,6-Dinitrotoluene	5	UJ	5	1	1.46	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	4-Chlorophenyl phenyl ether	5	UJ	5	1	0.86	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	4-Bromophenyl phenyl ether	5	UJ	5	1	1.06	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	Bis(2-chloroisopropyl)ether	5	UJ	5	1	2.3	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	Bis(2-chloroethoxy)methane	5	UJ	5	1	1.15	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	Hexachlorobutadiene	10	UJ	10	1	0.63	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	Hexachlorocyclopentadiene	10	UJ	10	1	0.45	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	Hexachloroethane	5	UJ	5	1	0.67	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	Isophorone	5	UJ	5	1	0.8	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	Nitrobenzene	5	UJ	5	1	0.69	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	NDPA/DPA	15	UJ	15	1	1.47	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	n-Nitrosodi-n-propylamine	5	UJ	5	1	0.64	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	Bis(2-ethylhexyl)phthalate	6.3	U	6.3	1	1.5	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	Butyl benzyl phthalate	5	UJ	5	1	0.78	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	Di-n-butylphthalate	5	UJ	5	1	1.32	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	Di-n-octylphthalate	5	UJ	5	1	1.47	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	Diethyl phthalate	5	UJ	5	1	1.24	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	Dimethyl phthalate	5	UJ	5	1	1.26	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	4-Chloroaniline	5	UJ	5	1	3.15	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	2-Nitroaniline	5	UJ	5	1	1.08	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	3-Nitroaniline	5	UJ	5	1	3.72	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	4-Nitroaniline	7	UJ	7	1	2.67	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	Dibenzofuran	5	UJ	5	1	2.49	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	2,4,6-Trichlorophenol	5	UJ	5	1	2.14	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	p-Chloro-m-cresol	5	UJ	5	1	1.52	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	2-Chlorophenol	6	UJ	6	1	2.72	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	2,4-Dichlorophenol	10	UJ	10	1	2.24	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	2,4-Dimethylphenol	10	UJ	10	1	2.59	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	2-Nitrophenol	20	UJ	20	1	2.9	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	4-Nitrophenol	10	UJ	10	1	1.94	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	2,4-Dinitrophenol	20	UJ	20	1	2.33	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	4,6-Dinitro-o-cresol	20	UJ	20	1	2.3	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	Pentachlorophenol	20	UJ	20	1	2.44	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	Phenol	7	UJ	7	1	1.11	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	2-Methylphenol	6	UJ	6	1	1.97	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW24-01D	4/11/2003	L0303295-05	8270C	3-Methylphenol/4-Methylphenol	6	UJ	6	1	1.9	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	2,4,5-Trichlorophenol	5	UJ	5	1	2.05	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	Carbazole	2	UJ	2	1	1.59	ug/l
2-SW24-01D	4/11/2003	L0303295-05	8270C	2-Fluorophenol	39			1		%
2-SW24-01D	4/11/2003	L0303295-05	8270C	Phenol-d6	32			1		%
2-SW24-01D	4/11/2003	L0303295-05	8270C	Nitrobenzene-d5	91			1		%
2-SW24-01D	4/11/2003	L0303295-05	8270C	2-Fluorobiphenyl	82			1		%
2-SW24-01D	4/11/2003	L0303295-05	8270C	2,4,6-Tribromophenol	31			1		%
2-SW24-01D	4/11/2003	L0303295-05	8270C	4-Terphenyl-d14	103			1		%
2WMW21S	4/15/2003	L0303389-04	8270C	1,2,4-Trichlorobenzene	5	UJ	5	1	0.743	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	Hexachlorobenzene	5	UJ	5	1	1.21	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	Bis(2-chloroethyl)ether	5	UJ	5	1	1.34	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	1,2-Dichlorobenzene	5	UJ	5	1	1.02	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	1,3-Dichlorobenzene	5	UJ	5	1	1.05	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	1,4-Dichlorobenzene	5	UJ	5	1	1.06	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	3,3'-Dichlorobenzidine	50	UJ	50	1	3.18	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	2,4-Dinitrotoluene	6	UJ	6	1	1.45	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	2,6-Dinitrotoluene	5	UJ	5	1	1.46	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	4-Chlorophenyl phenyl ether	5	UJ	5	1	0.86	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	4-Bromophenyl phenyl ether	5	UJ	5	1	1.06	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	Bis(2-chloroisopropyl)ether	5	UJ	5	1	2.3	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	Bis(2-chloroethoxy)methane	5	UJ	5	1	1.15	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	Hexachlorobutadiene	10	UJ	10	1	0.63	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	Hexachlorocyclopentadiene	10	UJ	10	1	0.45	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	Hexachloroethane	5	UJ	5	1	0.67	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	Isophorone	5	UJ	5	1	0.8	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	Nitrobenzene	5	UJ	5	1	0.69	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	NDPA/DPA	15	UJ	15	1	1.47	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	n-Nitrosodi-n-propylamine	5	UJ	5	1	0.64	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	Butyl benzyl phthalate	5	UJ	5	1	0.78	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	Di-n-butylphthalate	5	UJ	5	1	1.32	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	Di-n-octylphthalate	5	UJ	5	1	1.47	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	Diethyl phthalate	5	UJ	5	1	1.24	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	Dimethyl phthalate	5	UJ	5	1	1.26	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	4-Chloroaniline	5	UJ	5	1	3.15	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	2-Nitroaniline	5	UJ	5	1	1.08	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	3-Nitroaniline	5	UJ	5	1	3.72	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	4-Nitroaniline	7	UJ	7	1	2.67	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	Dibenzofuran	5	UJ	5	1	2.49	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	2,4,6-Trichlorophenol	5	UJ	5	1	2.14	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	p-Chloro-m-cresol	5	UJ	5	1	1.52	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	2-Chlorophenol	6	UJ	6	1	2.72	ug/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2WMW21S	4/15/2003	L0303389-04	8270C	2,4-Dichlorophenol	10	UJ	10	1	2.24	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	2,4-Dimethylphenol	10	UJ	10	1	2.59	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	2-Nitrophenol	20	UJ	20	1	2.9	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	4-Nitrophenol	10	UJ	10	1	1.94	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	2,4-Dinitrophenol	20	UJ	20	1	2.33	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	4,6-Dinitro-o-cresol	20	UJ	20	1	2.3	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	Pentachlorophenol	20	UJ	20	1	2.44	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	Phenol	7	UJ	7	1	1.11	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	2-Methylphenol	6	UJ	6	1	1.97	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	3-Methylphenol/4-Methylphenol	6	UJ	6	1	1.9	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	2,4,5-Trichlorophenol	5	UJ	5	1	2.05	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	Carbazole	2	UJ	2	1	1.59	ug/l
2WMW21S	4/15/2003	L0303389-04	2320B	Alkalinity, Total	1700		5	2.5	2	mg CaCO3/L
2WMW21S	4/15/2003	L0303389-04	5220D	Chemical Oxygen Demand	740		40	2	20	mg/l
2WMW21S	4/15/2003	L0303389-04	2540D	Solids, Total Suspended	29		5	1	5	mg/l
2WMW21S	4/15/2003	L0303389-04	2340B	Hardness	4100		1.7	1	0.66	mg CaCO3/L
2WMW21S	4/15/2003	L0303389-04	9251	Chloride	9800		200	200	1	mg/l
2WMW21S	4/15/2003	L0303389-04	9060	Total Organic Carbon	49		20	40	0.5	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Barium, Dissolved	0.08		0.01	1	0.0002	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Iron, Dissolved	0.24		0.05	1	0.027	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Manganese, Dissolved	0.05		0.01	1	0.0002	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Vanadium, Dissolved	0.01		0.01	1	0.0009	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Calcium, Dissolved	270		10	1	0.0013	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Magnesium, Dissolved	800		10	1	0.0045	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Potassium, Dissolved	250		40	1	0.2702	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Sodium, Dissolved	6600		20	1	0.5148	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Barium, Total	0.08		0.01	1	0.0002	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Iron, Total	1.5		0.05	1	0.027	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Vanadium, Total	0.01		0.01	1	0.0009	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Calcium, Total	270		10	1	0.0013	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Magnesium, Total	830		10	1	0.0045	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Potassium, Total	280		40	1	0.2702	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Sodium, Total	6800		20	1	0.5148	mg/l
2WMW21S	4/15/2003	L0303389-04	2540C	Solids, Total Dissolved	18000		20	2	10	mg/l
2WMW21S	4/15/2003	L0303389-04	8270C-M	Acenaphthene	0.1	U	0.1	1	0.1	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C-M	2-Chloronaphthalene	0.1	UJ	0.1	1	0.1	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C-M	Fluoranthene	0.1	U	0.1	1	0.1	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C-M	Naphthalene	0.1	U	0.1	1	0.1	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C-M	Benzo(a)anthracene	0.1	U	0.1	1	0.1	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C-M	Benzo(a)pyrene	0.1	U	0.1	1	0.1	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C-M	Benzo(b)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C-M	Benzo(k)fluoranthene	0.1	U	0.1	1	0.1	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2WMW21S	4/15/2003	L0303389-04	8270C-M	Chrysene	0.1	U	0.1	1	0.1	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C-M	Acenaphthylene	0.1	U	0.1	1	0.1	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C-M	Anthracene	0.1	U	0.1	1	0.1	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C-M	Benzo(ghi)perylene	0.1	U	0.1	1	0.1	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C-M	Fluorene	0.1	U	0.1	1	0.1	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C-M	Phenanthrene	0.1	U	0.1	1	0.1	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C-M	Dibenzo(a,h)anthracene	0.1	U	0.1	1	0.1	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C-M	Indeno(1,2,3-cd)Pyrene	0.1	U	0.1	1	0.1	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C-M	Pyrene	0.1	U	0.1	1	0.1	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C-M	2-Methylnaphthalene	0.2	U	0.2	1	0.2	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C-M	Nitrobenzene-d5	68			1		%
2WMW21S	4/15/2003	L0303389-04	8270C-M	2-Fluorobiphenyl	85			1		%
2WMW21S	4/15/2003	L0303389-04	8270C-M	4-Terphenyl-d14	104			1		%
2WMW21S	4/15/2003	L0303389-04	8270C	Bis(2-ethylhexyl)phthalate	19	U	5	1	1.5	ug/l
2WMW21S	4/15/2003	L0303389-04	8270C	2-Fluorophenol	31			1		%
2WMW21S	4/15/2003	L0303389-04	8270C	Phenol-d6	25			1		%
2WMW21S	4/15/2003	L0303389-04	8270C	Nitrobenzene-d5	55			1		%
2WMW21S	4/15/2003	L0303389-04	8270C	2-Fluorobiphenyl	65			1		%
2WMW21S	4/15/2003	L0303389-04	8270C	2,4,6-Tribromophenol	41			1		%
2WMW21S	4/15/2003	L0303389-04	8270C	4-Terphenyl-d14	75			1		%
2WMW21S	4/15/2003	L0303389-04	9038	Sulfate	10	U	10	1	10	mg/l
2WMW21S	4/15/2003	L0303389-04	7470A	Mercury, Total	0.0002	U	0.0002	1	0.000012	mg/l
2WMW21S	4/15/2003	L0303389-04	7470A	Mercury, Dissolved	0.0002	U	0.0002	1	0.000012	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Aluminum, Dissolved	0.1	U	0.1	1	0.0192	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Antimony, Dissolved	0.05	U	0.05	1	0.0023	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Arsenic, Dissolved	0.004	U	0.004	1	0.002	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Beryllium, Dissolved	0.004	U	0.004	1	0.0008	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Cadmium, Dissolved	0.005	U	0.005	1	0.0002	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Chromium, Dissolved	0.01	U	0.01	1	0.0006	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Cobalt, Dissolved	0.02	U	0.02	1	0.0005	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Copper, Dissolved	0.01	U	0.01	1	0.0012	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Lead, Dissolved	0.01	U	0.01	1	0.0011	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Nickel, Dissolved	0.025	U	0.025	1	0.0009	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Selenium, Dissolved	0.01	U	0.01	1	0.0018	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Silver, Dissolved	0.01	U	0.01	1	0.0007	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Thallium, Dissolved	0.02	U	0.02	1	0.0026	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Zinc, Dissolved	0.05	U	0.05	1	0.0007	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Aluminum, Total	0.1	U	0.1	1	0.0192	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Antimony, Total	0.05	U	0.05	1	0.0023	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Arsenic, Total	0.004	U	0.004	1	0.002	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Beryllium, Total	0.004	U	0.004	1	0.0008	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Cadmium, Total	0.005	U	0.005	1	0.0002	mg/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2WMW21S	4/15/2003	L0303389-04	6010B	Chromium, Total	0.01	U	0.01	1	0.0006	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Cobalt, Total	0.02	U	0.02	1	0.0005	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Copper, Total	0.01	U	0.01	1	0.0012	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Lead, Total	0.01	U	0.01	1	0.0011	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Manganese, Total	0.01	U	0.01	1	0.0002	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Nickel, Total	0.025	U	0.025	1	0.0009	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Selenium, Total	0.01	U	0.01	1	0.0018	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Silver, Total	0.01	U	0.01	1	0.0007	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Thallium, Total	0.02	U	0.02	1	0.0026	mg/l
2WMW21S	4/15/2003	L0303389-04	6010B	Zinc, Total	0.05	U	0.05	1	0.0007	mg/l
2WMW38DS	4/3/2003	L0303029-01	9060	Total Organic Carbon	10		2	4	0.5	mg/l
2WMW38DS	4/3/2003	L0303029-01	6010B	Aluminum, Total	0.14		0.1	1	0.0192	mg/l
2WMW38DS	4/3/2003	L0303029-01	6010B	Antimony, Total	0.05	U	0.05	1	0.0023	mg/l
2WMW38DS	4/3/2003	L0303029-01	6010B	Arsenic, Total	0.004	U	0.004	1	0.002	mg/l
2WMW38DS	4/3/2003	L0303029-01	6010B	Barium, Total	0.01	U	0.01	1	0.0002	mg/l
2WMW38DS	4/3/2003	L0303029-01	6010B	Beryllium, Total	0.004	U	0.004	1	0.0008	mg/l
2WMW38DS	4/3/2003	L0303029-01	6010B	Cadmium, Total	0.005	U	0.005	1	0.0002	mg/l
2WMW38DS	4/3/2003	L0303029-01	6010B	Calcium, Total	48		0.5	1	0.0013	mg/l
2WMW38DS	4/3/2003	L0303029-01	6010B	Chromium, Total	0.01	U	0.01	1	0.0006	mg/l
2WMW38DS	4/3/2003	L0303029-01	6010B	Cobalt, Total	0.02	U	0.02	1	0.0005	mg/l
2WMW38DS	4/3/2003	L0303029-01	6010B	Copper, Total	0.01	U	0.01	1	0.0012	mg/l
2WMW38DS	4/3/2003	L0303029-01	6010B	Iron, Total	1.4		0.05	1	0.027	mg/l
2WMW38DS	4/3/2003	L0303029-01	6010B	Lead, Total	0.01	U	0.01	1	0.0011	mg/l
2WMW38DS	4/3/2003	L0303029-01	6010B	Magnesium, Total	12		0.5	1	0.0045	mg/l
2WMW38DS	4/3/2003	L0303029-01	6010B	Manganese, Total	0.37		0.01	1	0.0002	mg/l
2WMW38DS	4/3/2003	L0303029-01	6010B	Nickel, Total	0.025	U	0.025	1	0.0009	mg/l
2WMW38DS	4/3/2003	L0303029-01	6010B	Potassium, Total	8.6		2	1	0.2702	mg/l
2WMW38DS	4/3/2003	L0303029-01	6010B	Selenium, Total	0.01	U	0.01	1	0.0018	mg/l
2WMW38DS	4/3/2003	L0303029-01	6010B	Silver, Total	0.01	UJ	0.01	1	0.0007	mg/l
2WMW38DS	4/3/2003	L0303029-01	6010B	Sodium, Total	99		1	1	0.5148	mg/l
2WMW38DS	4/3/2003	L0303029-01	6010B	Thallium, Total	0.02	U	0.02	1	0.0026	mg/l
2WMW38DS	4/3/2003	L0303029-01	6010B	Vanadium, Total	0.01	U	0.01	1	0.0009	mg/l
2WMW38DS	4/3/2003	L0303029-01	6010B	Zinc, Total	0.05	U	0.05	1	0.0007	mg/l
2WMW38DS	4/3/2003	L0303029-01	7470A	Mercury, Total	0.0002	U	0.0002	1	0.000012	mg/l
2WMW38DS	4/3/2003	L0303029-01	8270C	1,2,4-Trichlorobenzene	4.9	U	4.9	0.9	0.743	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	1,2-Dichlorobenzene	4.9	U	4.9	0.9	1.02	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	1,3-Dichlorobenzene	4.9	U	4.9	0.9	1.05	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	1,4-Dichlorobenzene	4.9	U	4.9	0.9	1.06	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	2,4,5-Trichlorophenol	4.9	U	4.9	0.9	2.05	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	2,4,6-Tribromophenol	82			0.9		%
2WMW38DS	4/3/2003	L0303029-01	8270C	2,4,6-Trichlorophenol	4.9	U	4.9	0.9	2.14	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	2,4-Dichlorophenol	9.8	U	9.8	0.9	2.24	ug/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2WMW38DS	4/3/2003	L0303029-01	8270C	2,4-Dimethylphenol	9.8	U	9.8	0.9	2.59	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	2,4-Dinitrophenol	20	U	20	0.9	2.33	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	2,4-Dinitrotoluene	5.9	U	5.9	0.9	1.45	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	2,6-Dinitrotoluene	4.9	U	4.9	0.9	1.46	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	2-Chlorophenol	5.9	U	5.9	0.9	2.72	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	2-Fluorobiphenyl	78			0.9		%
2WMW38DS	4/3/2003	L0303029-01	8270C	2-Fluorophenol	46			0.9		%
2WMW38DS	4/3/2003	L0303029-01	8270C	2-Methylphenol	5.9	UJ	5.9	0.9	1.97	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	2-Nitroaniline	4.9	U	4.9	0.9	1.08	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	2-Nitrophenol	20	U	20	0.9	2.9	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	3,3'-Dichlorobenzidine	49	U	49	0.9	3.18	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	3-Methylphenol/4-Methylphenol	5.9	U	5.9	0.9	1.9	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	3-Nitroaniline	4.9	U	4.9	0.9	3.72	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	4,6-Dinitro-o-cresol	20	U	20	0.9	2.3	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	4-Bromophenyl phenyl ether	4.9	U	4.9	0.9	1.06	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	4-Chloroaniline	4.9	U	4.9	0.9	3.15	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	4-Chlorophenyl phenyl ether	4.9	U	4.9	0.9	0.86	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	4-Nitroaniline	6.8	U	6.8	0.9	2.67	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	4-Nitrophenol	9.8	U	9.8	0.9	1.94	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	4-Terphenyl-d14	82			0.9		%
2WMW38DS	4/3/2003	L0303029-01	8270C	Bis(2-chloroethoxy)methane	4.9	U	4.9	0.9	1.15	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	Bis(2-chloroethyl)ether	4.9	U	4.9	0.9	1.34	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	Bis(2-chloroisopropyl)ether	4.9	U	4.9	0.9	2.3	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	Bis(2-ethylhexyl)phthalate	4.9	U	4.9	0.9	1.5	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	Butyl benzyl phthalate	4.9	U	4.9	0.9	0.78	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	Carbazole	2	U	2	0.9	1.59	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	Dibenzofuran	4.9	U	4.9	0.9	2.49	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	Diethyl phthalate	4.9	U	4.9	0.9	1.24	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	Dimethyl phthalate	4.9	U	4.9	0.9	1.26	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	Di-n-butylphthalate	4.9	U	4.9	0.9	1.32	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	Di-n-octylphthalate	4.9	U	4.9	0.9	1.47	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	Hexachlorobenzene	4.9	U	4.9	0.9	1.21	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	Hexachlorobutadiene	9.8	U	9.8	0.9	0.63	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	Hexachlorocyclopentadiene	9.8	U	9.8	0.9	0.45	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	Hexachloroethane	4.9	U	4.9	0.9	0.67	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	Isophorone	4.9	U	4.9	0.9	0.8	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	NDPA/DPA	15	U	15	0.9	1.47	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	Nitrobenzene	4.9	U	4.9	0.9	0.69	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	Nitrobenzene-d5	79			0.9		%
2WMW38DS	4/3/2003	L0303029-01	8270C	n-Nitrosodi-n-propylamine	4.9	U	4.9	0.9	0.64	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	p-Chloro-m-cresol	4.9	U	4.9	0.9	1.52	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	Pentachlorophenol	20	U	20	0.9	2.44	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2WMW38DS	4/3/2003	L0303029-01	8270C	Phenol	6.8	UJ	6.8	0.9	1.11	ug/l
2WMW38DS	4/3/2003	L0303029-01	8270C	Phenol-d6	33			0.9		%
2WMW38DS	4/8/2003	L0303151-01	9038	Sulfate	10		10	1	10	mg/l
2WMW38DS	4/8/2003	L0303151-01	2320B	Alkalinity, Total	270		2	1	2	mg CaCO3/L
2WMW38DS	4/8/2003	L0303151-01	5220D	Chemical Oxygen Demand	28		20	1	20	mg/l
2WMW38DS	4/8/2003	L0303151-01	2540D	Solids, Total Suspended	10	U	10	2	5	mg/l
2WMW38DS	4/8/2003	L0303151-01	2340B	Hardness	190		1.7	1	0.66	mg CaCO3/L
2WMW38DS	4/8/2003	L0303151-01	9251	Chloride	130		5	5	1	mg/l
2WMW38DS	4/8/2003	L0303151-01	7470A	Mercury, Dissolved	0.0002	U	0.0002	1	0.000012	mg/l
2WMW38DS	4/8/2003	L0303151-01	6010B	Aluminum, Dissolved	0.1	U	0.1	1	0.0192	mg/l
2WMW38DS	4/8/2003	L0303151-01	6010B	Antimony, Dissolved	0.05	U	0.05	1	0.0023	mg/l
2WMW38DS	4/8/2003	L0303151-01	6010B	Arsenic, Dissolved	0.004		0.004	1	0.002	mg/l
2WMW38DS	4/8/2003	L0303151-01	6010B	Barium, Dissolved	0.01	U	0.01	1	0.0002	mg/l
2WMW38DS	4/8/2003	L0303151-01	6010B	Beryllium, Dissolved	0.004	U	0.004	1	0.0008	mg/l
2WMW38DS	4/8/2003	L0303151-01	6010B	Cadmium, Dissolved	0.005	U	0.005	1	0.0002	mg/l
2WMW38DS	4/8/2003	L0303151-01	6010B	Chromium, Dissolved	0.01	U	0.01	1	0.0006	mg/l
2WMW38DS	4/8/2003	L0303151-01	6010B	Cobalt, Dissolved	0.02	U	0.02	1	0.0005	mg/l
2WMW38DS	4/8/2003	L0303151-01	6010B	Copper, Dissolved	0.01	U	0.01	1	0.0012	mg/l
2WMW38DS	4/8/2003	L0303151-01	6010B	Iron, Dissolved	0.13		0.05	1	0.027	mg/l
2WMW38DS	4/8/2003	L0303151-01	6010B	Lead, Dissolved	0.01	U	0.01	1	0.0011	mg/l
2WMW38DS	4/8/2003	L0303151-01	6010B	Manganese, Dissolved	0.01		0.01	1	0.0002	mg/l
2WMW38DS	4/8/2003	L0303151-01	6010B	Nickel, Dissolved	0.025	U	0.025	1	0.0009	mg/l
2WMW38DS	4/8/2003	L0303151-01	6010B	Selenium, Dissolved	0.01	U	0.01	1	0.0018	mg/l
2WMW38DS	4/8/2003	L0303151-01	6010B	Silver, Dissolved	0.01	U	0.01	1	0.0007	mg/l
2WMW38DS	4/8/2003	L0303151-01	6010B	Thallium, Dissolved	0.02	U	0.02	1	0.0026	mg/l
2WMW38DS	4/8/2003	L0303151-01	6010B	Vanadium, Dissolved	0.01	U	0.01	1	0.0009	mg/l
2WMW38DS	4/8/2003	L0303151-01	6010B	Zinc, Dissolved	0.05	U	0.05	1	0.0007	mg/l
2WMW38DS	4/8/2003	L0303151-01	6010B	Calcium, Dissolved	44		0.5	1	0.0013	mg/l
2WMW38DS	4/8/2003	L0303151-01	6010B	Magnesium, Dissolved	17		0.5	1	0.0045	mg/l
2WMW38DS	4/8/2003	L0303151-01	6010B	Potassium, Dissolved	14		2	1	0.2702	mg/l
2WMW38DS	4/8/2003	L0303151-01	6010B	Sodium, Dissolved	140		1	1	0.5148	mg/l
2WMW38DS	4/8/2003	L0303151-01	2540C	Solids, Total Dissolved	590		10	1	10	mg/l
2WMW38DS	4/8/2003	L0303151-01	8270C-M	Acenaphthene	0.1	U	0.1	0.95	0.1	ug/l
2WMW38DS	4/8/2003	L0303151-01	8270C-M	2-Chloronaphthalene	0.1	U	0.1	0.95	0.1	ug/l
2WMW38DS	4/8/2003	L0303151-01	8270C-M	Fluoranthene	0.1	UJ	0.1	0.95	0.1	ug/l
2WMW38DS	4/8/2003	L0303151-01	8270C-M	Naphthalene	0.1	U	0.1	0.95	0.1	ug/l
2WMW38DS	4/8/2003	L0303151-01	8270C-M	Benzo(a)anthracene	0.1	U	0.1	0.95	0.1	ug/l
2WMW38DS	4/8/2003	L0303151-01	8270C-M	Benzo(a)pyrene	0.1	U	0.1	0.95	0.1	ug/l
2WMW38DS	4/8/2003	L0303151-01	8270C-M	Benzo(b)fluoranthene	0.1	U	0.1	0.95	0.1	ug/l
2WMW38DS	4/8/2003	L0303151-01	8270C-M	Benzo(k)fluoranthene	0.1	U	0.1	0.95	0.1	ug/l
2WMW38DS	4/8/2003	L0303151-01	8270C-M	Chrysene	0.1	U	0.1	0.95	0.1	ug/l
2WMW38DS	4/8/2003	L0303151-01	8270C-M	Acenaphthylene	0.1	U	0.1	0.95	0.1	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2WMW38DS	4/8/2003	L0303151-01	8270C-M	Anthracene	0.1	U	0.1	0.95	0.1	ug/l
2WMW38DS	4/8/2003	L0303151-01	8270C-M	Benzo(ghi)perylene	0.1	U	0.1	0.95	0.1	ug/l
2WMW38DS	4/8/2003	L0303151-01	8270C-M	Fluorene	0.1	U	0.1	0.95	0.1	ug/l
2WMW38DS	4/8/2003	L0303151-01	8270C-M	Phenanthrene	0.1	U	0.1	0.95	0.1	ug/l
2WMW38DS	4/8/2003	L0303151-01	8270C-M	Dibenzo(a,h)anthracene	0.1	U	0.1	0.95	0.1	ug/l
2WMW38DS	4/8/2003	L0303151-01	8270C-M	Indeno(1,2,3-cd)Pyrene	0.1	U	0.1	0.95	0.1	ug/l
2WMW38DS	4/8/2003	L0303151-01	8270C-M	Pyrene	0.1	U	0.1	0.95	0.1	ug/l
2WMW38DS	4/8/2003	L0303151-01	8270C-M	2-Methylnaphthalene	0.2	UJ	0.2	0.95	0.2	ug/l
2WMW38DS	4/8/2003	L0303151-01	8270C-M	Nitrobenzene-d5	67			0.95		%
2WMW38DS	4/8/2003	L0303151-01	8270C-M	2-Fluorobiphenyl	76			0.95		%
2WMW38DS	4/8/2003	L0303151-01	8270C-M	4-Terphenyl-d14	89			0.95		%
2WMW39DS	4/3/2003	L0303029-02	8270C-M	Benzo(a)anthracene	0.1	U	0.1	1	0.1	ug/l
2WMW39DS	4/3/2003	L0303029-02	9038	Sulfate	10	U	10	1	10	mg/l
2WMW39DS	4/3/2003	L0303029-02	9060	Total Organic Carbon	4.1		2	4	0.5	mg/l
2WMW39DS	4/3/2003	L0303029-02	9251	Chloride	400		10	10	1	mg/l
2WMW39DS	4/3/2003	L0303029-02	2320B	Alkalinity, Total	270		2	1	2	mg CaCO3/L
2WMW39DS	4/3/2003	L0303029-02	2340B	Hardness	130		1.7	1	0.66	mg CaCO3/L
2WMW39DS	4/3/2003	L0303029-02	2540C	Solids, Total Dissolved	920		10	1	10	mg/l
2WMW39DS	4/3/2003	L0303029-02	2540D	Solids, Total Suspended	8.6		5	1	5	mg/l
2WMW39DS	4/3/2003	L0303029-02	5220D	Chemical Oxygen Demand	20	U	20	1	20	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Aluminum, Dissolved	0.1	U	0.1	1	0.0192	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Aluminum, Total	0.1	U	0.1	1	0.0192	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Antimony, Dissolved	0.05	U	0.05	1	0.0023	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Antimony, Total	0.05	U	0.05	1	0.0023	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Arsenic, Dissolved	0.004	U	0.004	1	0.002	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Arsenic, Total	0.004	U	0.004	1	0.002	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Barium, Dissolved	0.05		0.01	1	0.0002	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Barium, Total	0.07		0.01	1	0.0002	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Beryllium, Dissolved	0.004	U	0.004	1	0.0008	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Beryllium, Total	0.004	U	0.004	1	0.0008	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Cadmium, Dissolved	0.005	U	0.005	1	0.0002	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Cadmium, Total	0.005	U	0.005	1	0.0002	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Calcium, Dissolved	39		0.5	1	0.0013	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Calcium, Total	37		0.5	1	0.0013	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Chromium, Dissolved	0.01	U	0.01	1	0.0006	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Chromium, Total	0.01	U	0.01	1	0.0006	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Cobalt, Dissolved	0.02	U	0.02	1	0.0005	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Cobalt, Total	0.02	U	0.02	1	0.0005	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Copper, Dissolved	0.01	U	0.01	1	0.0012	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Copper, Total	0.01	U	0.01	1	0.0012	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Iron, Dissolved	1.8		0.05	1	0.027	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Iron, Total	22		0.05	1	0.027	mg/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2WMW39DS	4/3/2003	L0303029-02	6010B	Lead, Dissolved	0.01	U	0.01	1	0.0011	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Lead, Total	0.01	U	0.01	1	0.0011	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Magnesium, Dissolved	13		0.5	1	0.0045	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Magnesium, Total	10		0.5	1	0.0045	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Manganese, Dissolved	0.7		0.01	1	0.0002	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Manganese, Total	0.74		0.01	1	0.0002	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Nickel, Dissolved	0.025	U	0.025	1	0.0009	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Nickel, Total	0.025	U	0.025	1	0.0009	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Potassium, Dissolved	17		2	1	0.2702	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Potassium, Total	12		2	1	0.2702	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Selenium, Dissolved	0.01	U	0.01	1	0.0018	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Selenium, Total	0.01	U	0.01	1	0.0018	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Silver, Dissolved	0.01	UJ	0.01	1	0.0007	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Silver, Total	0.01	UJ	0.01	1	0.0007	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Sodium, Dissolved	280		1	1	0.5148	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Sodium, Total	220		1	1	0.5148	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Thallium, Dissolved	0.02	U	0.02	1	0.0026	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Thallium, Total	0.02	U	0.02	1	0.0026	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Vanadium, Dissolved	0.01	U	0.01	1	0.0009	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Vanadium, Total	0.01	U	0.01	1	0.0009	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Zinc, Dissolved	0.05	U	0.05	1	0.0007	mg/l
2WMW39DS	4/3/2003	L0303029-02	6010B	Zinc, Total	0.05	U	0.05	1	0.0007	mg/l
2WMW39DS	4/3/2003	L0303029-02	7470A	Mercury, Dissolved	0.0002	U	0.0002	1	0.000012	mg/l
2WMW39DS	4/3/2003	L0303029-02	7470A	Mercury, Total	0.0002	U	0.0002	1	0.000012	mg/l
2WMW39DS	4/3/2003	L0303029-02	8270C	1,2,4-Trichlorobenzene	5	U	5	1	0.743	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	1,2-Dichlorobenzene	5	U	5	1	1.02	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	1,3-Dichlorobenzene	5	U	5	1	1.05	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	1,4-Dichlorobenzene	5	U	5	1	1.06	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	2,4,5-Trichlorophenol	5	U	5	1	2.05	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	2,4,6-Tribromophenol	84			1		%
2WMW39DS	4/3/2003	L0303029-02	8270C	2,4,6-Trichlorophenol	5	U	5	1	2.14	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	2,4-Dichlorophenol	10	U	10	1	2.24	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	2,4-Dimethylphenol	10	U	10	1	2.59	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	2,4-Dinitrophenol	20	U	20	1	2.33	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	2,4-Dinitrotoluene	6	U	6	1	1.45	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	2,6-Dinitrotoluene	5	U	5	1	1.46	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	2-Chlorophenol	6	U	6	1	2.72	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	2-Fluorobiphenyl	78			1		%
2WMW39DS	4/3/2003	L0303029-02	8270C	2-Fluorophenol	44			1		%
2WMW39DS	4/3/2003	L0303029-02	8270C	2-Methylphenol	6	UJ	6	1	1.97	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	2-Nitroaniline	5	U	5	1	1.08	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	2-Nitrophenol	20	U	20	1	2.9	ug/l

DATA SUMMARY TABLE
ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2WMW39DS	4/3/2003	L0303029-02	8270C	3,3'-Dichlorobenzidine	50	U	50	1	3.18	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	3-Methylphenol/4-Methylphenol	6	U	6	1	1.9	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	3-Nitroaniline	5	U	5	1	3.72	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	4,6-Dinitro-o-cresol	20	U	20	1	2.3	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	4-Bromophenyl phenyl ether	5	U	5	1	1.06	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	4-Chloroaniline	5	U	5	1	3.15	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	4-Chlorophenyl phenyl ether	5	U	5	1	0.86	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	4-Nitroaniline	7	U	7	1	2.67	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	4-Nitrophenol	10	U	10	1	1.94	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	4-Terphenyl-d14	89			1		%
2WMW39DS	4/3/2003	L0303029-02	8270C	Bis(2-chloroethoxy)methane	5	U	5	1	1.15	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	Bis(2-chloroethyl)ether	5	U	5	1	1.34	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	Bis(2-chloroisopropyl)ether	5	U	5	1	2.3	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	Bis(2-ethylhexyl)phthalate	5	U	5	1	1.5	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	Butyl benzyl phthalate	5	U	5	1	0.78	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	Carbazole	2	U	2	1	1.59	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	Dibenzofuran	5	U	5	1	2.49	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	Diethyl phthalate	5	U	5	1	1.24	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	Dimethyl phthalate	5	U	5	1	1.26	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	Di-n-butylphthalate	5	U	5	1	1.32	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	Di-n-octylphthalate	5	U	5	1	1.47	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	Hexachlorobenzene	5	U	5	1	1.21	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	Hexachlorobutadiene	10	U	10	1	0.63	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	Hexachlorocyclopentadiene	10	U	10	1	0.45	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	Hexachloroethane	5	U	5	1	0.67	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	Isophorone	5	U	5	1	0.8	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	NDPA/DPA	15	U	15	1	1.47	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	Nitrobenzene	5	U	5	1	0.69	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	Nitrobenzene-d5	79			1		%
2WMW39DS	4/3/2003	L0303029-02	8270C	n-Nitrosodi-n-propylamine	5	U	5	1	0.64	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	p-Chloro-m-cresol	5	U	5	1	1.52	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	Pentachlorophenol	20	U	20	1	2.44	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	Phenol	7	UJ	7	1	1.11	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C	Phenol-d6	30			1		%
2WMW39DS	4/3/2003	L0303029-02	8270C-M	2-Chloronaphthalene	0.1	U	0.1	1	0.1	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C-M	2-Fluorobiphenyl	82			1		%
2WMW39DS	4/3/2003	L0303029-02	8270C-M	2-Methylnaphthalene	0.2	UJ	0.2	1	0.2	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C-M	4-Terphenyl-d14	82			1		%
2WMW39DS	4/3/2003	L0303029-02	8270C-M	Acenaphthene	0.1	U	0.1	1	0.1	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C-M	Acenaphthylene	0.1	U	0.1	1	0.1	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C-M	Anthracene	0.1	U	0.1	1	0.1	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C-M	Benzo(a)pyrene	0.1	U	0.1	1	0.1	ug/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2WMW39DS	4/3/2003	L0303029-02	8270C-M	Benzo(b)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C-M	Benzo(ghi)perylene	0.1	U	0.1	1	0.1	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C-M	Benzo(k)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C-M	Chrysene	0.1	U	0.1	1	0.1	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C-M	Dibenzo(a,h)anthracene	0.1	U	0.1	1	0.1	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C-M	Fluoranthene	0.1	U	0.1	1	0.1	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C-M	Fluorene	0.1	U	0.1	1	0.1	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C-M	Indeno(1,2,3-cd)Pyrene	0.1	U	0.1	1	0.1	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C-M	Naphthalene	0.1	U	0.1	1	0.1	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C-M	Nitrobenzene-d5	71			1		%
2WMW39DS	4/3/2003	L0303029-02	8270C-M	Phenanthrene	0.1	U	0.1	1	0.1	ug/l
2WMW39DS	4/3/2003	L0303029-02	8270C-M	Pyrene	0.1	U	0.1	1	0.1	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C-M	Benzo(a)anthracene	0.1	U	0.1	1	0.1	ug/l
2WMW40DS	4/3/2003	L0303029-03	9038	Sulfate	310		100	10	10	mg/l
2WMW40DS	4/3/2003	L0303029-03	9060	Total Organic Carbon	34		10	20	0.5	mg/l
2WMW40DS	4/3/2003	L0303029-03	9251	Chloride	7100		100	100	1	mg/l
2WMW40DS	4/3/2003	L0303029-03	2320B	Alkalinity, Total	1500		5	2.5	2	mg CaCO3/L
2WMW40DS	4/3/2003	L0303029-03	2340B	Hardness	2700		1.7	1	0.66	mg CaCO3/L
2WMW40DS	4/3/2003	L0303029-03	2540C	Solids, Total Dissolved	15000		10	1	10	mg/l
2WMW40DS	4/3/2003	L0303029-03	2540D	Solids, Total Suspended	11		10	2	5	mg/l
2WMW40DS	4/3/2003	L0303029-03	5220D	Chemical Oxygen Demand	700		20	1	20	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Aluminum, Dissolved	0.1	U	0.1	1	0.0192	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Aluminum, Total	0.1	U	0.1	1	0.0192	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Antimony, Dissolved	0.05	U	0.05	1	0.0023	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Antimony, Total	0.05	U	0.05	1	0.0023	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Arsenic, Dissolved	0.006		0.004	1	0.002	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Arsenic, Total	0.008		0.004	1	0.002	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Barium, Dissolved	0.04		0.01	1	0.0002	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Barium, Total	0.05		0.01	1	0.0002	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Beryllium, Dissolved	0.004	U	0.004	1	0.0008	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Beryllium, Total	0.004	U	0.004	1	0.0008	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Cadmium, Dissolved	0.005	U	0.005	1	0.0002	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Cadmium, Total	0.005	U	0.005	1	0.0002	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Calcium, Dissolved	140		10	1	0.0013	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Calcium, Total	180		10	1	0.0013	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Chromium, Dissolved	0.01	U	0.01	1	0.0006	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Chromium, Total	0.01	U	0.01	1	0.0006	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Cobalt, Dissolved	0.02	U	0.02	1	0.0005	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Cobalt, Total	0.02	U	0.02	1	0.0005	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Copper, Dissolved	0.01	U	0.01	1	0.0012	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Copper, Total	0.01	U	0.01	1	0.0012	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Iron, Dissolved	0.05	U	0.05	1	0.027	mg/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2WMW40DS	4/3/2003	L0303029-03	6010B	Iron, Total	0.59		0.05	1	0.027	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Lead, Dissolved	0.01	U	0.01	1	0.0011	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Lead, Total	0.01	U	0.01	1	0.0011	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Magnesium, Dissolved	450		10	1	0.0045	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Magnesium, Total	560		10	1	0.0045	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Manganese, Dissolved	0.06		0.01	1	0.0002	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Manganese, Total	0.05		0.01	1	0.0002	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Nickel, Dissolved	0.025	U	0.025	1	0.0009	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Nickel, Total	0.025	U	0.025	1	0.0009	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Potassium, Dissolved	160		40	1	0.2702	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Potassium, Total	200		40	1	0.2702	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Selenium, Dissolved	0.01	U	0.01	1	0.0018	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Selenium, Total	0.01	U	0.01	1	0.0018	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Silver, Dissolved	0.01	UJ	0.01	1	0.0007	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Silver, Total	0.01	UJ	0.01	1	0.0007	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Sodium, Dissolved	3900		20	1	0.5148	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Sodium, Total	4900		20	1	0.5148	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Thallium, Dissolved	0.02	U	0.02	1	0.0026	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Thallium, Total	0.02	U	0.02	1	0.0026	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Vanadium, Dissolved	0.01	U	0.01	1	0.0009	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Vanadium, Total	0.01	U	0.01	1	0.0009	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Zinc, Dissolved	0.05	U	0.05	1	0.0007	mg/l
2WMW40DS	4/3/2003	L0303029-03	6010B	Zinc, Total	0.05	U	0.05	1	0.0007	mg/l
2WMW40DS	4/3/2003	L0303029-03	7470A	Mercury, Dissolved	0.0002	U	0.0002	1	0.000012	mg/l
2WMW40DS	4/3/2003	L0303029-03	7470A	Mercury, Total	0.0002	U	0.0002	1	0.000012	mg/l
2WMW40DS	4/3/2003	L0303029-03	8270C	1,2,4-Trichlorobenzene	5	U	5	1	0.743	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	1,2-Dichlorobenzene	5	U	5	1	1.02	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	1,3-Dichlorobenzene	5	U	5	1	1.05	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	1,4-Dichlorobenzene	5	U	5	1	1.06	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	2,4,5-Trichlorophenol	5	U	5	1	2.05	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	2,4,6-Tribromophenol	85			1		%
2WMW40DS	4/3/2003	L0303029-03	8270C	2,4,6-Trichlorophenol	5	U	5	1	2.14	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	2,4-Dichlorophenol	10	U	10	1	2.24	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	2,4-Dimethylphenol	10	U	10	1	2.59	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	2,4-Dinitrophenol	20	U	20	1	2.33	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	2,4-Dinitrotoluene	6	U	6	1	1.45	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	2,6-Dinitrotoluene	5	U	5	1	1.46	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	2-Chlorophenol	6	U	6	1	2.72	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	2-Fluorobiphenyl	74			1		%
2WMW40DS	4/3/2003	L0303029-03	8270C	2-Fluorophenol	39			1		%
2WMW40DS	4/3/2003	L0303029-03	8270C	2-Methylphenol	6	UJ	6	1	1.97	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	2-Nitroaniline	5	U	5	1	1.08	ug/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2WMW40DS	4/3/2003	L0303029-03	8270C	2-Nitrophenol	20	U	20	1	2.9	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	3,3'-Dichlorobenzidine	50	U	50	1	3.18	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	3-Methylphenol/4-Methylphenol	6	U	6	1	1.9	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	3-Nitroaniline	5	U	5	1	3.72	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	4,6-Dinitro-o-cresol	20	U	20	1	2.3	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	4-Bromophenyl phenyl ether	5	U	5	1	1.06	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	4-Chloroaniline	5	U	5	1	3.15	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	4-Chlorophenyl phenyl ether	5	U	5	1	0.86	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	4-Nitroaniline	7	U	7	1	2.67	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	4-Nitrophenol	10	U	10	1	1.94	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	4-Terphenyl-d14	76			1		%
2WMW40DS	4/3/2003	L0303029-03	8270C	Bis(2-chloroethoxy)methane	5	U	5	1	1.15	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	Bis(2-chloroethyl)ether	5	U	5	1	1.34	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	Bis(2-chloroisopropyl)ether	5	U	5	1	2.3	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	Bis(2-ethylhexyl)phthalate	5	U	5	1	1.5	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	Butyl benzyl phthalate	5	U	5	1	0.78	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	Carbazole	2	U	2	1	1.59	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	Dibenzofuran	5	U	5	1	2.49	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	Diethyl phthalate	5	U	5	1	1.24	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	Dimethyl phthalate	5	U	5	1	1.26	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	Di-n-butylphthalate	5	U	5	1	1.32	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	Di-n-octylphthalate	5	U	5	1	1.47	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	Hexachlorobenzene	5	U	5	1	1.21	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	Hexachlorobutadiene	10	U	10	1	0.63	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	Hexachlorocyclopentadiene	10	U	10	1	0.45	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	Hexachloroethane	5	U	5	1	0.67	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	Isophorone	5	U	5	1	0.8	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	NDPA/DPA	15	U	15	1	1.47	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	Nitrobenzene	5	U	5	1	0.69	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	Nitrobenzene-d5	66			1		%
2WMW40DS	4/3/2003	L0303029-03	8270C	n-Nitrosodi-n-propylamine	5	U	5	1	0.64	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	p-Chloro-m-cresol	5	U	5	1	1.52	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	Pentachlorophenol	20	U	20	1	2.44	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	Phenol	7	UJ	7	1	1.11	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C	Phenol-d6	30			1		%
2WMW40DS	4/3/2003	L0303029-03	8270C-M	2-Chloronaphthalene	0.1	U	0.1	1	0.1	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C-M	2-Fluorobiphenyl	89			1		%
2WMW40DS	4/3/2003	L0303029-03	8270C-M	2-Methylnaphthalene	0.2	UJ	0.2	1	0.2	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C-M	4-Terphenyl-d14	84			1		%
2WMW40DS	4/3/2003	L0303029-03	8270C-M	Acenaphthene	0.1	U	0.1	1	0.1	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C-M	Acenaphthylene	0.1	U	0.1	1	0.1	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C-M	Anthracene	0.1	U	0.1	1	0.1	ug/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2WMW40DS	4/3/2003	L0303029-03	8270C-M	Benzo(a)pyrene	0.1	U	0.1	1	0.1	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C-M	Benzo(b)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C-M	Benzo(ghi)perylene	0.1	U	0.1	1	0.1	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C-M	Benzo(k)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C-M	Chrysene	0.1	U	0.1	1	0.1	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C-M	Dibenzo(a,h)anthracene	0.1	U	0.1	1	0.1	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C-M	Fluoranthene	0.1	U	0.1	1	0.1	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C-M	Fluorene	0.1	U	0.1	1	0.1	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C-M	Indeno(1,2,3-cd)Pyrene	0.1	U	0.1	1	0.1	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C-M	Naphthalene	0.1	U	0.1	1	0.1	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C-M	Nitrobenzene-d5	69			1		%
2WMW40DS	4/3/2003	L0303029-03	8270C-M	Phenanthrene	0.1	U	0.1	1	0.1	ug/l
2WMW40DS	4/3/2003	L0303029-03	8270C-M	Pyrene	0.1	U	0.1	1	0.1	ug/l
2WMW41DS	4/4/2003	L0303053-01	9038	Sulfate	10	U	10	1	10	mg/l
2WMW41DS	4/4/2003	L0303053-01	9060	Total Organic Carbon	66		10	20	0.5	mg/l
2WMW41DS	4/4/2003	L0303053-01	9251	Chloride	4400		100	100	1	mg/l
2WMW41DS	4/4/2003	L0303053-01	2320B	Alkalinity, Total	1500		5	2.5	2	mg CaCO3/L
2WMW41DS	4/4/2003	L0303053-01	2340B	Hardness	1900		1.7	1	0.66	mg CaCO3/L
2WMW41DS	4/4/2003	L0303053-01	2540C	Solids, Total Dissolved	9600		10	1	10	mg/l
2WMW41DS	4/4/2003	L0303053-01	2540D	Solids, Total Suspended	16		5	1	5	mg/l
2WMW41DS	4/4/2003	L0303053-01	5220D	Chemical Oxygen Demand	340		20	1	20	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Aluminum, Dissolved	0.1	U	0.1	1	0.0192	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Aluminum, Total	0.16	J	0.1	1	0.0192	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Antimony, Dissolved	0.05	U	0.05	1	0.0023	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Antimony, Total	0.05	U	0.05	1	0.0023	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Arsenic, Dissolved	0.004		0.004	1	0.002	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Arsenic, Total	0.004		0.004	1	0.002	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Barium, Dissolved	0.04		0.01	1	0.0002	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Barium, Total	0.04		0.01	1	0.0002	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Beryllium, Dissolved	0.004	U	0.004	1	0.0008	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Beryllium, Total	0.004	U	0.004	1	0.0008	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Cadmium, Dissolved	0.005	U	0.005	1	0.0002	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Cadmium, Total	0.005	U	0.005	1	0.0002	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Calcium, Dissolved	130		5	1	0.0013	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Calcium, Total	140		5	1	0.0013	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Chromium, Dissolved	0.01	U	0.01	1	0.0006	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Chromium, Total	0.01		0.01	1	0.0006	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Cobalt, Dissolved	0.02	U	0.02	1	0.0005	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Cobalt, Total	0.02	U	0.02	1	0.0005	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Copper, Dissolved	0.01	U	0.01	1	0.0012	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Copper, Total	0.01	U	0.01	1	0.0012	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Iron, Dissolved	2.4		0.05	1	0.027	mg/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2WMW41DS	4/4/2003	L0303053-01	6010B	Iron, Total	2.9		0.05	1	0.027	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Lead, Dissolved	0.01	U	0.01	1	0.0011	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Lead, Total	0.01	U	0.01	1	0.0011	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Magnesium, Dissolved	360		5	1	0.0045	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Magnesium, Total	370		5	1	0.0045	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Manganese, Dissolved	0.23		0.01	1	0.0002	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Manganese, Total	0.22		0.01	1	0.0002	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Nickel, Dissolved	0.025	U	0.025	1	0.0009	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Nickel, Total	0.025	U	0.025	1	0.0009	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Potassium, Dissolved	130		20	1	0.2702	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Potassium, Total	140		20	1	0.2702	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Selenium, Dissolved	0.01	U	0.01	1	0.0018	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Selenium, Total	0.01	U	0.01	1	0.0018	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Silver, Dissolved	0.01	U	0.01	1	0.0007	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Silver, Total	0.01	U	0.01	1	0.0007	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Sodium, Dissolved	3000		10	1	0.5148	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Sodium, Total	3100		10	1	0.5148	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Thallium, Dissolved	0.02	U	0.02	1	0.0026	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Thallium, Total	0.02	U	0.02	1	0.0026	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Vanadium, Dissolved	0.01	U	0.01	1	0.0009	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Vanadium, Total	0.01	U	0.01	1	0.0009	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Zinc, Dissolved	0.05	U	0.05	1	0.0007	mg/l
2WMW41DS	4/4/2003	L0303053-01	6010B	Zinc, Total	0.05	U	0.05	1	0.0007	mg/l
2WMW41DS	4/4/2003	L0303053-01	7470A	Mercury, Dissolved	0.0002	U	0.0002	1	0.000012	mg/l
2WMW41DS	4/4/2003	L0303053-01	7470A	Mercury, Total	0.0002	U	0.0002	1	0.000012	mg/l
2WMW41DS	4/4/2003	L0303053-01	8270C	1,2,4-Trichlorobenzene	5	U	5	1	0.743	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	1,2-Dichlorobenzene	5	U	5	1	1.02	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	1,3-Dichlorobenzene	5	U	5	1	1.05	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	1,4-Dichlorobenzene	5	U	5	1	1.06	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	2,4,5-Trichlorophenol	5	U	5	1	2.05	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	2,4,6-Tribromophenol	84			1		%
2WMW41DS	4/4/2003	L0303053-01	8270C	2,4,6-Trichlorophenol	5	U	5	1	2.14	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	2,4-Dichlorophenol	10	U	10	1	2.24	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	2,4-Dimethylphenol	10	U	10	1	2.59	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	2,4-Dinitrophenol	20	U	20	1	2.33	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	2,4-Dinitrotoluene	6	U	6	1	1.45	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	2,6-Dinitrotoluene	5	U	5	1	1.46	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	2-Chlorophenol	6	U	6	1	2.72	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	2-Fluorobiphenyl	67			1		%
2WMW41DS	4/4/2003	L0303053-01	8270C	2-Fluorophenol	35			1		%
2WMW41DS	4/4/2003	L0303053-01	8270C	2-Methylphenol	6	U	6	1	1.97	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	2-Nitroaniline	5	U	5	1	1.08	ug/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2WMW41DS	4/4/2003	L0303053-01	8270C	2-Nitrophenol	20	U	20	1	2.9	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	3,3'-Dichlorobenzidine	50	U	50	1	3.18	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	3-Methylphenol/4-Methylphenol	6	U	6	1	1.9	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	3-Nitroaniline	5	U	5	1	3.72	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	4,6-Dinitro-o-cresol	20	U	20	1	2.3	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	4-Bromophenyl phenyl ether	5	U	5	1	1.06	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	4-Chloroaniline	5	U	5	1	3.15	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	4-Chlorophenyl phenyl ether	5	U	5	1	0.86	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	4-Nitroaniline	7	U	7	1	2.67	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	4-Nitrophenol	10	U	10	1	1.94	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	4-Terphenyl-d14	77			1		%
2WMW41DS	4/4/2003	L0303053-01	8270C	Bis(2-chloroethoxy)methane	5	U	5	1	1.15	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	Bis(2-chloroethyl)ether	5	U	5	1	1.34	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	Bis(2-chloroisopropyl)ether	5	U	5	1	2.3	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	Bis(2-ethylhexyl)phthalate	5	U	5	1	1.5	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	Butyl benzyl phthalate	5	U	5	1	0.78	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	Carbazole	2	U	2	1	1.59	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	Dibenzofuran	5	U	5	1	2.49	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	Diethyl phthalate	5	U	5	1	1.24	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	Dimethyl phthalate	5	U	5	1	1.26	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	Di-n-butylphthalate	5	U	5	1	1.32	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	Di-n-octylphthalate	5	U	5	1	1.47	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	Hexachlorobenzene	5	U	5	1	1.21	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	Hexachlorobutadiene	10	U	10	1	0.63	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	Hexachlorocyclopentadiene	10	U	10	1	0.45	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	Hexachloroethane	5	U	5	1	0.67	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	Isophorone	5	U	5	1	0.8	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	NDPA/DPA	15	U	15	1	1.47	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	Nitrobenzene	5	U	5	1	0.69	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	Nitrobenzene-d5	60			1		%
2WMW41DS	4/4/2003	L0303053-01	8270C	n-Nitrosodi-n-propylamine	5	U	5	1	0.64	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	p-Chloro-m-cresol	5	U	5	1	1.52	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	Pentachlorophenol	20	U	20	1	2.44	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	Phenol	7	UJ	7	1	1.11	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C	Phenol-d6	27			1		%
2WMW41DS	4/4/2003	L0303053-01	8270C-M	2-Chloronaphthalene	0.1	U	0.1	1	0.1	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C-M	2-Fluorobiphenyl	84			1		%
2WMW41DS	4/4/2003	L0303053-01	8270C-M	2-Methylnaphthalene	0.2	U	0.2	1	0.2	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C-M	4-Terphenyl-d14	90			1		%
2WMW41DS	4/4/2003	L0303053-01	8270C-M	Acenaphthene	0.1	U	0.1	1	0.1	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C-M	Acenaphthylene	0.1	U	0.1	1	0.1	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C-M	Anthracene	0.12		0.1	1	0.1	ug/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2WMW41DS	4/4/2003	L0303053-01	8270C-M	Benzo(a)anthracene	0.1	U	0.1	1	0.1	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C-M	Benzo(a)pyrene	0.1	U	0.1	1	0.1	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C-M	Benzo(b)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C-M	Benzo(ghi)perylene	0.1	U	0.1	1	0.1	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C-M	Benzo(k)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C-M	Chrysene	0.1	U	0.1	1	0.1	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C-M	Dibenzo(a,h)anthracene	0.1	U	0.1	1	0.1	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C-M	Fluoranthene	0.14		0.1	1	0.1	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C-M	Fluorene	0.1	U	0.1	1	0.1	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C-M	Indeno(1,2,3-cd)Pyrene	0.1	U	0.1	1	0.1	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C-M	Naphthalene	0.1	U	0.1	1	0.1	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C-M	Nitrobenzene-d5	67			1		%
2WMW41DS	4/4/2003	L0303053-01	8270C-M	Phenanthrene	0.1	U	0.1	1	0.1	ug/l
2WMW41DS	4/4/2003	L0303053-01	8270C-M	Pyrene	0.15		0.1	1	0.1	ug/l
2WMW42DS 4/8/03	4/8/2003	L0303197-01	5220D	Chemical Oxygen Demand	560		20	1	20	mg/l
2WMW42DS 4/8/03	4/8/2003	L0303197-01	2540D	Solids, Total Suspended	45		5	1	5	mg/l
2WMW42DS 4/8/03	4/8/2003	L0303197-01	2340B	Hardness	2500		1.7	1	0.66	mg CaCO3/L
2WMW42DS 4/8/03	4/8/2003	L0303197-01	9060	Total Organic Carbon	43		20	40	0.5	mg/l
2WMW42DS 4/8/03	4/8/2003	L0303197-01	7470A	Mercury, Total	0.0002	ND	0.0002	1	0.000012	mg/l
2WMW42DS 4/8/03	4/8/2003	L0303197-01	6010B	Aluminum, Total	0.1	ND	0.1	1	0.0192	mg/l
2WMW42DS 4/8/03	4/8/2003	L0303197-01	6010B	Antimony, Total	0.05	ND	0.05	1	0.0023	mg/l
2WMW42DS 4/8/03	4/8/2003	L0303197-01	6010B	Arsenic, Total	0.004		0.004	1	0.002	mg/l
2WMW42DS 4/8/03	4/8/2003	L0303197-01	6010B	Barium, Total	0.06		0.01	1	0.0002	mg/l
2WMW42DS 4/8/03	4/8/2003	L0303197-01	6010B	Beryllium, Total	0.004	ND	0.004	1	0.0008	mg/l
2WMW42DS 4/8/03	4/8/2003	L0303197-01	6010B	Cadmium, Total	0.005	ND	0.005	1	0.0002	mg/l
2WMW42DS 4/8/03	4/8/2003	L0303197-01	6010B	Chromium, Total	0.01	ND	0.01	1	0.0006	mg/l
2WMW42DS 4/8/03	4/8/2003	L0303197-01	6010B	Cobalt, Total	0.02	ND	0.02	1	0.0005	mg/l
2WMW42DS 4/8/03	4/8/2003	L0303197-01	6010B	Copper, Total	0.01	ND	0.01	1	0.0012	mg/l
2WMW42DS 4/8/03	4/8/2003	L0303197-01	6010B	Iron, Total	2.1		0.05	1	0.027	mg/l
2WMW42DS 4/8/03	4/8/2003	L0303197-01	6010B	Lead, Total	0.01	ND	0.01	1	0.0011	mg/l
2WMW42DS 4/8/03	4/8/2003	L0303197-01	6010B	Manganese, Total	0.18		0.01	1	0.0002	mg/l
2WMW42DS 4/8/03	4/8/2003	L0303197-01	6010B	Nickel, Total	0.025	ND	0.025	1	0.0009	mg/l
2WMW42DS 4/8/03	4/8/2003	L0303197-01	6010B	Selenium, Total	0.01	ND	0.01	1	0.0018	mg/l
2WMW42DS 4/8/03	4/8/2003	L0303197-01	6010B	Silver, Total	0.01	ND	0.01	1	0.0007	mg/l
2WMW42DS 4/8/03	4/8/2003	L0303197-01	6010B	Thallium, Total	0.02	ND	0.02	1	0.0026	mg/l
2WMW42DS 4/8/03	4/8/2003	L0303197-01	6010B	Vanadium, Total	0.01	ND	0.01	1	0.0009	mg/l
2WMW42DS 4/8/03	4/8/2003	L0303197-01	6010B	Zinc, Total	0.05	ND	0.05	1	0.0007	mg/l
2WMW42DS 4/8/03	4/8/2003	L0303197-01	6010B	Calcium, Total	200		5	1	0.0013	mg/l
2WMW42DS 4/8/03	4/8/2003	L0303197-01	6010B	Magnesium, Total	490		5	1	0.0045	mg/l
2WMW42DS 4/8/03	4/8/2003	L0303197-01	6010B	Potassium, Total	190		20	1	0.2702	mg/l
2WMW42DS 4/8/03	4/8/2003	L0303197-01	6010B	Sodium, Total	4400		10	1	0.5148	mg/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	9038	Sulfate	160		50	5	10	mg/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2WMW42DS 4/9/03	4/9/2003	L0303197-02	2320B	Alkalinity, Total	1300		5	2.5	2	mg CaCO3/L
2WMW42DS 4/9/03	4/9/2003	L0303197-02	9251	Chloride	7500		100	100	1	mg/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	7470A	Mercury, Dissolved	0.0002	ND	0.0002	1	0.000012	mg/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	6010B	Aluminum, Dissolved	0.1	ND	0.1	1	0.0192	mg/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	6010B	Antimony, Dissolved	0.05	ND	0.05	1	0.0023	mg/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	6010B	Arsenic, Dissolved	0.013		0.004	1	0.002	mg/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	6010B	Barium, Dissolved	0.06		0.01	1	0.0002	mg/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	6010B	Beryllium, Dissolved	0.004	ND	0.004	1	0.0008	mg/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	6010B	Cadmium, Dissolved	0.005	ND	0.005	1	0.0002	mg/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	6010B	Chromium, Dissolved	0.01	ND	0.01	1	0.0006	mg/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	6010B	Cobalt, Dissolved	0.02	ND	0.02	1	0.0005	mg/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	6010B	Copper, Dissolved	0.01	ND	0.01	1	0.0012	mg/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	6010B	Iron, Dissolved	0.13		0.05	1	0.027	mg/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	6010B	Lead, Dissolved	0.01	ND	0.01	1	0.0011	mg/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	6010B	Manganese, Dissolved	0.12		0.01	1	0.0002	mg/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	6010B	Nickel, Dissolved	0.025	ND	0.025	1	0.0009	mg/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	6010B	Selenium, Dissolved	0.01	ND	0.01	1	0.0018	mg/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	6010B	Silver, Dissolved	0.01	ND	0.01	1	0.0007	mg/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	6010B	Thallium, Dissolved	0.02	ND	0.02	1	0.0026	mg/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	6010B	Vanadium, Dissolved	0.01	ND	0.01	1	0.0009	mg/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	6010B	Zinc, Dissolved	0.05	ND	0.05	1	0.0007	mg/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	6010B	Calcium, Dissolved	220		5	1	0.0013	mg/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	6010B	Magnesium, Dissolved	630		5	1	0.0045	mg/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	6010B	Potassium, Dissolved	260		20	1	0.2702	mg/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	6010B	Sodium, Dissolved	5800		10	1	0.5148	mg/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	2540C	Solids, Total Dissolved	14000		10	1	10	mg/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C-M	Acenaphthene	4.8		0.1	1	0.1	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C-M	2-Chloronaphthalene	0.1	ND	0.1	1	0.1	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C-M	Fluoranthene	1.2		0.1	1	0.1	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C-M	Naphthalene	29		0.1	1	0.1	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C-M	Benzo(a)anthracene	0.11		0.1	1	0.1	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C-M	Benzo(a)pyrene	0.1	ND	0.1	1	0.1	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C-M	Benzo(b)fluoranthene	0.1	ND	0.1	1	0.1	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C-M	Benzo(k)fluoranthene	0.1	ND	0.1	1	0.1	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C-M	Chrysene	0.13		0.1	1	0.1	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C-M	Acenaphthylene	0.16		0.1	1	0.1	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C-M	Anthracene	1.1		0.1	1	0.1	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C-M	Benzo(ghi)perylene	0.1	ND	0.1	1	0.1	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C-M	Fluorene	5		0.1	1	0.1	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C-M	Phenanthrene	7.2		0.1	1	0.1	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C-M	Dibenzo(a,h)anthracene	0.1	ND	0.1	1	0.1	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C-M	Indeno(1,2,3-cd)Pyrene	0.1	ND	0.1	1	0.1	ug/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C-M	Pyrene	0.77		0.1	1	0.1	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C-M	2-Methylnaphthalene	4.8		0.2	1	0.2	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C-M	Nitrobenzene-d5	71			1		%
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C-M	2-Fluorobiphenyl	72			1		%
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C-M	4-Terphenyl-d14	86			1		%
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	1,2,4-Trichlorobenzene	5	ND	5	1	0.743	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	Hexachlorobenzene	5	ND	5	1	1.21	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	Bis(2-chloroethyl)ether	5	ND	5	1	1.34	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	1,2-Dichlorobenzene	5	ND	5	1	1.02	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	1,3-Dichlorobenzene	5	ND	5	1	1.05	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	1,4-Dichlorobenzene	5	ND	5	1	1.06	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	3,3'-Dichlorobenzidine	50	ND	50	1	3.18	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	2,4-Dinitrotoluene	6	ND	6	1	1.45	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	2,6-Dinitrotoluene	5	ND	5	1	1.46	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	4-Chlorophenyl phenyl ether	5	ND	5	1	0.86	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	4-Bromophenyl phenyl ether	5	ND	5	1	1.06	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	Bis(2-chloroisopropyl)ether	5	ND	5	1	2.3	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	Bis(2-chloroethoxy)methane	5	ND	5	1	1.15	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	Hexachlorobutadiene	10	ND	10	1	0.63	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	Hexachlorocyclopentadiene	10	ND	10	1	0.45	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	Hexachloroethane	5	ND	5	1	0.67	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	Isophorone	5	ND	5	1	0.8	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	Nitrobenzene	5	ND	5	1	0.69	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	NDPA/DPA	15	ND	15	1	1.47	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	n-Nitrosodi-n-propylamine	5	ND	5	1	0.64	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	Bis(2-ethylhexyl)phthalate	5	ND	5	1	1.5	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	Butyl benzyl phthalate	5	ND	5	1	0.78	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	Di-n-butylphthalate	5	ND	5	1	1.32	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	Di-n-octylphthalate	5	ND	5	1	1.47	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	Diethyl phthalate	5	ND	5	1	1.24	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	Dimethyl phthalate	5	ND	5	1	1.26	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	4-Chloroaniline	5	ND	5	1	3.15	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	2-Nitroaniline	5	ND	5	1	1.08	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	3-Nitroaniline	5	ND	5	1	3.72	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	4-Nitroaniline	7	ND	7	1	2.67	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	Dibenzofuran	5	ND	5	1	2.49	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	2,4,6-Trichlorophenol	5	ND	5	1	2.14	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	p-Chloro-m-cresol	5	ND	5	1	1.52	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	2-Chlorophenol	6	ND	6	1	2.72	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	2,4-Dichlorophenol	10	ND	10	1	2.24	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	2,4-Dimethylphenol	25		10	1	2.59	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	2-Nitrophenol	20	ND	20	1	2.9	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	4-Nitrophenol	10	ND	10	1	1.94	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	2,4-Dinitrophenol	20	ND	20	1	2.33	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	4,6-Dinitro-o-cresol	20	ND	20	1	2.3	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	Pentachlorophenol	20	ND	20	1	2.44	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	Phenol	7	ND	7	1	1.11	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	2-Methylphenol	6	ND	6	1	1.97	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	3-Methylphenol/4-Methylphenol	6	ND	6	1	1.9	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	2,4,5-Trichlorophenol	5	ND	5	1	2.05	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	Carbazole	5.6		2	1	1.59	ug/l
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	2-Fluorophenol	40			1		%
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	Phenol-d6	27			1		%
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	Nitrobenzene-d5	73			1		%
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	2-Fluorobiphenyl	68			1		%
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	2,4,6-Tribromophenol	41			1		%
2WMW42DS 4/9/03	4/9/2003	L0303197-02	8270C	4-Terphenyl-d14	78			1		%
2WMW43DS	4/8/2003	L0303151-02	9038	Sulfate	240		120	12.5	10	mg/l
2WMW43DS	4/8/2003	L0303151-02	2320B	Alkalinity, Total	1900		6.6	3.3	2	mg CaCO3/L
2WMW43DS	4/8/2003	L0303151-02	5220D	Chemical Oxygen Demand	1100		20	1	20	mg/l
2WMW43DS	4/8/2003	L0303151-02	2540D	Solids, Total Suspended	39		5	1	5	mg/l
2WMW43DS	4/8/2003	L0303151-02	2340B	Hardness	4000		1.7	1	0.66	mg CaCO3/L
2WMW43DS	4/8/2003	L0303151-02	9251	Chloride	11000		500	500	1	mg/l
2WMW43DS	4/8/2003	L0303151-02	9060	Total Organic Carbon	51		20	40	0.5	mg/l
2WMW43DS	4/8/2003	L0303151-02	7470A	Mercury, Total	0.0002	U	0.0002	1	0.000012	mg/l
2WMW43DS	4/8/2003	L0303151-02	7470A	Mercury, Dissolved	0.0002	U	0.0002	1	0.000012	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Iron, Dissolved	0.05	U	0.05	1	0.027	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Aluminum, Dissolved	0.1	U	0.1	1	0.0192	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Antimony, Dissolved	0.05	U	0.05	1	0.0023	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Arsenic, Dissolved	0.006		0.004	1	0.002	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Barium, Dissolved	0.1		0.01	1	0.0002	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Beryllium, Dissolved	0.004	U	0.004	1	0.0008	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Cadmium, Dissolved	0.005	U	0.005	1	0.0002	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Chromium, Dissolved	0.01	U	0.01	1	0.0006	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Cobalt, Dissolved	0.02	U	0.02	1	0.0005	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Copper, Dissolved	0.01	U	0.01	1	0.0012	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Lead, Dissolved	0.01	U	0.01	1	0.0011	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Manganese, Dissolved	0.06		0.01	1	0.0002	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Nickel, Dissolved	0.025	U	0.025	1	0.0009	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Selenium, Dissolved	0.01	U	0.01	1	0.0018	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Silver, Dissolved	0.01	U	0.01	1	0.0007	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Thallium, Dissolved	0.02	U	0.02	1	0.0026	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Vanadium, Dissolved	0.01	U	0.01	1	0.0009	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Zinc, Dissolved	0.05	U	0.05	1	0.0007	mg/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2WMW43DS	4/8/2003	L0303151-02	6010B	Calcium, Dissolved	260		10	1	0.0013	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Magnesium, Dissolved	750		10	1	0.0045	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Potassium, Dissolved	210		40	1	0.2702	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Sodium, Dissolved	5700		20	1	0.5148	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Aluminum, Total	0.35		0.1	1	0.0192	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Antimony, Total	0.05	U	0.05	1	0.0023	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Arsenic, Total	0.007		0.004	1	0.002	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Barium, Total	0.1		0.01	1	0.0002	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Beryllium, Total	0.004	U	0.004	1	0.0008	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Cadmium, Total	0.005	U	0.005	1	0.0002	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Chromium, Total	0.02		0.01	1	0.0006	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Cobalt, Total	0.02	U	0.02	1	0.0005	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Copper, Total	0.01	U	0.01	1	0.0012	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Iron, Total	3.9		0.05	1	0.027	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Lead, Total	0.01	U	0.01	1	0.0011	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Manganese, Total	0.05		0.01	1	0.0002	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Nickel, Total	0.025	U	0.025	1	0.0009	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Selenium, Total	0.01	U	0.01	1	0.0018	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Silver, Total	0.01	U	0.01	1	0.0007	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Thallium, Total	0.02	U	0.02	1	0.0026	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Vanadium, Total	0.01	U	0.01	1	0.0009	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Zinc, Total	0.05	U	0.05	1	0.0007	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Calcium, Total	270		10	1	0.0013	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Magnesium, Total	810		10	1	0.0045	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Potassium, Total	230		40	1	0.2702	mg/l
2WMW43DS	4/8/2003	L0303151-02	6010B	Sodium, Total	6300		20	1	0.5148	mg/l
2WMW43DS	4/8/2003	L0303151-02	2540C	Solids, Total Dissolved	19000		10	1	10	mg/l
2WMW43DS	4/8/2003	L0303151-02	8270C-M	Acenaphthene	0.1	U	0.1	1	0.1	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C-M	2-Chloronaphthalene	0.1	U	0.1	1	0.1	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C-M	Fluoranthene	0.1	UJ	0.1	1	0.1	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C-M	Naphthalene	0.1	U	0.1	1	0.1	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C-M	Benzo(a)anthracene	0.1	U	0.1	1	0.1	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C-M	Benzo(a)pyrene	0.1	U	0.1	1	0.1	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C-M	Benzo(b)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C-M	Benzo(k)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C-M	Chrysene	0.1	U	0.1	1	0.1	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C-M	Acenaphthylene	0.1	U	0.1	1	0.1	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C-M	Anthracene	0.1	U	0.1	1	0.1	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C-M	Benzo(ghi)perylene	0.1	U	0.1	1	0.1	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C-M	Fluorene	0.1	U	0.1	1	0.1	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C-M	Phenanthrene	0.1	U	0.1	1	0.1	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C-M	Dibenzo(a,h)anthracene	0.1	U	0.1	1	0.1	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2WMW43DS	4/8/2003	L0303151-02	8270C-M	Indeno(1,2,3-cd)Pyrene	0.1	U	0.1	1	0.1	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C-M	Pyrene	0.1	U	0.1	1	0.1	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C-M	2-Methylnaphthalene	0.2	UJ	0.2	1	0.2	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C-M	Nitrobenzene-d5	58			1		%
2WMW43DS	4/8/2003	L0303151-02	8270C-M	2-Fluorobiphenyl	89			1		%
2WMW43DS	4/8/2003	L0303151-02	8270C-M	4-Terphenyl-d14	95			1		%
2WMW43DS	4/8/2003	L0303151-02	8270C	1,2,4-Trichlorobenzene	5	UJ	5	1	0.743	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	Hexachlorobenzene	5	UJ	5	1	1.21	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	Bis(2-chloroethyl)ether	5	UJ	5	1	1.34	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	1,2-Dichlorobenzene	5	UJ	5	1	1.02	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	1,3-Dichlorobenzene	5	UJ	5	1	1.05	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	1,4-Dichlorobenzene	5	UJ	5	1	1.06	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	3,3'-Dichlorobenzidine	50	UJ	50	1	3.18	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	2,4-Dinitrotoluene	6	UJ	6	1	1.45	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	2,6-Dinitrotoluene	5	UJ	5	1	1.46	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	4-Chlorophenyl phenyl ether	5	UJ	5	1	0.86	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	4-Bromophenyl phenyl ether	5	UJ	5	1	1.06	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	Bis(2-chloroisopropyl)ether	5	UJ	5	1	2.3	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	Bis(2-chloroethoxy)methane	5	UJ	5	1	1.15	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	Hexachlorobutadiene	10	UJ	10	1	0.63	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	Hexachlorocyclopentadiene	10	UJ	10	1	0.45	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	Hexachloroethane	5	UJ	5	1	0.67	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	Isophorone	5	UJ	5	1	0.8	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	Nitrobenzene	5	UJ	5	1	0.69	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	NDPA/DPA	15	UJ	15	1	1.47	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	n-Nitrosodi-n-propylamine	5	UJ	5	1	0.64	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	Bis(2-ethylhexyl)phthalate	5	UJ	5	1	1.5	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	Butyl benzyl phthalate	5	UJ	5	1	0.78	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	Di-n-butylphthalate	5	UJ	5	1	1.32	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	Di-n-octylphthalate	5	UJ	5	1	1.47	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	Diethyl phthalate	5	UJ	5	1	1.24	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	Dimethyl phthalate	5	UJ	5	1	1.26	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	4-Chloroaniline	5	UJ	5	1	3.15	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	2-Nitroaniline	5	UJ	5	1	1.08	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	3-Nitroaniline	5	UJ	5	1	3.72	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	4-Nitroaniline	7	UJ	7	1	2.67	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	Dibenzofuran	5	UJ	5	1	2.49	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	2,4,6-Trichlorophenol	5	UJ	5	1	2.14	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	p-Chloro-m-cresol	5	UJ	5	1	1.52	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	2-Chlorophenol	6	UJ	6	1	2.72	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	2,4-Dichlorophenol	10	UJ	10	1	2.24	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	2,4-Dimethylphenol	10	UJ	10	1	2.59	ug/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2WMW43DS	4/8/2003	L0303151-02	8270C	2-Nitrophenol	20	UJ	20	1	2.9	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	4-Nitrophenol	10	UJ	10	1	1.94	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	2,4-Dinitrophenol	20	UJ	20	1	2.33	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	4,6-Dinitro-o-cresol	20	UJ	20	1	2.3	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	Pentachlorophenol	20	UJ	20	1	2.44	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	Phenol	7	UJ	7	1	1.11	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	2-Methylphenol	6	UJ	6	1	1.97	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	3-Methylphenol/4-Methylphenol	6	UJ	6	1	1.9	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	2,4,5-Trichlorophenol	5	UJ	5	1	2.05	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	Carbazole	2	UJ	2	1	1.59	ug/l
2WMW43DS	4/8/2003	L0303151-02	8270C	2-Fluorophenol	28			1		%
2WMW43DS	4/8/2003	L0303151-02	8270C	Phenol-d6	26			1		%
2WMW43DS	4/8/2003	L0303151-02	8270C	Nitrobenzene-d5	50			1		%
2WMW43DS	4/8/2003	L0303151-02	8270C	2-Fluorobiphenyl	68			1		%
2WMW43DS	4/8/2003	L0303151-02	8270C	2,4,6-Tribromophenol	81			1		%
2WMW43DS	4/8/2003	L0303151-02	8270C	4-Terphenyl-d14	79			1		%
2WMW44DS	4/14/2003	L0303359-01	9038	Sulfate	10	U	10	1	10	mg/l
2WMW44DS	4/14/2003	L0303359-01	2320B	Alkalinity, Total	1300		5	2.5	2	mg CaCO3/L
2WMW44DS	4/14/2003	L0303359-01	5220D	Chemical Oxygen Demand	460		200	10	20	mg/l
2WMW44DS	4/14/2003	L0303359-01	2540D	Solids, Total Suspended	38		5	1	5	mg/l
2WMW44DS	4/14/2003	L0303359-01	2340B	Hardness	3100		1.7	1	0.66	mg CaCO3/L
2WMW44DS	4/14/2003	L0303359-01	9251	Chloride	6700		200	200	1	mg/l
2WMW44DS	4/14/2003	L0303359-01	9060	Total Organic Carbon	25		12	25	0.5	mg/l
2WMW44DS	4/14/2003	L0303359-01	7470A	Mercury, Total	0.0002	U	0.0002	1	0.000012	mg/l
2WMW44DS	4/14/2003	L0303359-01	7470A	Mercury, Dissolved	0.0002	U	0.0002	1	0.000012	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Aluminum, Dissolved	0.1	U	0.1	1	0.0192	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Antimony, Dissolved	0.05	U	0.05	1	0.0023	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Arsenic, Dissolved	0.004	U	0.004	1	0.002	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Barium, Dissolved	0.04		0.01	1	0.0002	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Beryllium, Dissolved	0.004	U	0.004	1	0.0008	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Cadmium, Dissolved	0.005	U	0.005	1	0.0002	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Chromium, Dissolved	0.01	U	0.01	1	0.0006	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Cobalt, Dissolved	0.02	U	0.02	1	0.0005	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Copper, Dissolved	0.01	U	0.01	1	0.0012	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Iron, Dissolved	0.05	U	0.05	1	0.027	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Lead, Dissolved	0.01	U	0.01	1	0.0011	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Manganese, Dissolved	0.35		0.01	1	0.0002	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Nickel, Dissolved	0.025	U	0.025	1	0.0009	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Selenium, Dissolved	0.01	U	0.01	1	0.0018	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Silver, Dissolved	0.01	U	0.01	1	0.0007	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Thallium, Dissolved	0.02	U	0.02	1	0.0026	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Vanadium, Dissolved	0.01	U	0.01	1	0.0009	mg/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2WMW44DS	4/14/2003	L0303359-01	6010B	Zinc, Dissolved	0.05	U	0.05	1	0.0007	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Calcium, Dissolved	120		10	1	0.0013	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Magnesium, Dissolved	240		10	1	0.0045	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Potassium, Dissolved	87		40	1	0.2702	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Sodium, Dissolved	2100		20	1	0.5148	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Aluminum, Total	0.34		0.1	1	0.0192	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Antimony, Total	0.05	U	0.05	1	0.0023	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Arsenic, Total	0.004	U	0.004	1	0.002	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Barium, Total	0.08		0.01	1	0.0002	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Beryllium, Total	0.004	U	0.004	1	0.0008	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Cadmium, Total	0.005	U	0.005	1	0.0002	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Chromium, Total	0.01	U	0.01	1	0.0006	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Cobalt, Total	0.02	U	0.02	1	0.0005	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Copper, Total	0.01	U	0.01	1	0.0012	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Iron, Total	3.2		0.05	1	0.027	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Lead, Total	0.01	U	0.01	1	0.0011	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Manganese, Total	0.18		0.01	1	0.0002	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Nickel, Total	0.025	U	0.025	1	0.0009	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Selenium, Total	0.01	U	0.01	1	0.0018	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Silver, Total	0.01	U	0.01	1	0.0007	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Thallium, Total	0.02	U	0.02	1	0.0026	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Vanadium, Total	0.01	U	0.01	1	0.0009	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Zinc, Total	0.05	U	0.05	1	0.0007	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Calcium, Total	220		10	1	0.0013	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Magnesium, Total	620		10	1	0.0045	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Potassium, Total	200		40	1	0.2702	mg/l
2WMW44DS	4/14/2003	L0303359-01	6010B	Sodium, Total	5300		20	1	0.5148	mg/l
2WMW44DS	4/14/2003	L0303359-01	2540C	Solids, Total Dissolved	12000		20	2	10	mg/l
2WMW44DS	4/14/2003	L0303359-01	8270C-M	Acenaphthene	0.1	U	0.1	1	0.1	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C-M	2-Chloronaphthalene	0.1	U	0.1	1	0.1	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C-M	Fluoranthene	0.1	U	0.1	1	0.1	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C-M	Naphthalene	0.1	U	0.1	1	0.1	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C-M	Benzo(a)anthracene	0.1	U	0.1	1	0.1	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C-M	Benzo(a)pyrene	0.1	U	0.1	1	0.1	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C-M	Benzo(b)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C-M	Benzo(k)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C-M	Chrysene	0.1	U	0.1	1	0.1	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C-M	Acenaphthylene	0.1	U	0.1	1	0.1	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C-M	Anthracene	0.1	U	0.1	1	0.1	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C-M	Benzo(ghi)perylene	0.1	U	0.1	1	0.1	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C-M	Fluorene	0.1	U	0.1	1	0.1	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C-M	Phenanthrene	0.1	U	0.1	1	0.1	ug/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2WMW44DS	4/14/2003	L0303359-01	8270C-M	Dibenzo(a,h)anthracene	0.1	U	0.1	1	0.1	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C-M	Indeno(1,2,3-cd)Pyrene	0.1	U	0.1	1	0.1	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C-M	Pyrene	0.1	U	0.1	1	0.1	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C-M	2-Methylnaphthalene	0.2	U	0.2	1	0.2	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C-M	Nitrobenzene-d5	40			1		%
2WMW44DS	4/14/2003	L0303359-01	8270C-M	2-Fluorobiphenyl	47			1		%
2WMW44DS	4/14/2003	L0303359-01	8270C-M	4-Terphenyl-d14	76			1		%
2WMW44DS	4/14/2003	L0303359-01	8270C	1,2,4-Trichlorobenzene	5	UJ	5	1	0.743	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	Hexachlorobenzene	5	UJ	5	1	1.21	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	Bis(2-chloroethyl)ether	5	UJ	5	1	1.34	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	1,2-Dichlorobenzene	5	UJ	5	1	1.02	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	1,3-Dichlorobenzene	5	UJ	5	1	1.05	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	1,4-Dichlorobenzene	5	UJ	5	1	1.06	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	3,3'-Dichlorobenzidine	50	UJ	50	1	3.18	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	2,4-Dinitrotoluene	6	UJ	6	1	1.45	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	2,6-Dinitrotoluene	5	UJ	5	1	1.46	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	4-Chlorophenyl phenyl ether	5	UJ	5	1	0.86	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	4-Bromophenyl phenyl ether	5	UJ	5	1	1.06	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	Bis(2-chloroisopropyl)ether	5	UJ	5	1	2.3	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	Bis(2-chloroethoxy)methane	5	UJ	5	1	1.15	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	Hexachlorobutadiene	10	UJ	10	1	0.63	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	Hexachlorocyclopentadiene	10	UJ	10	1	0.45	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	Hexachloroethane	5	UJ	5	1	0.67	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	Isophorone	5	UJ	5	1	0.8	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	Nitrobenzene	5	UJ	5	1	0.69	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	NDPA/DPA	15	UJ	15	1	1.47	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	n-Nitrosodi-n-propylamine	5	UJ	5	1	0.64	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	Bis(2-ethylhexyl)phthalate	11	U	11	1	1.5	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	Butyl benzyl phthalate	5	UJ	5	1	0.78	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	Di-n-butylphthalate	5	UJ	5	1	1.32	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	Di-n-octylphthalate	5	UJ	5	1	1.47	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	Diethyl phthalate	5	UJ	5	1	1.24	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	Dimethyl phthalate	5	UJ	5	1	1.26	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	4-Chloroaniline	5	UJ	5	1	3.15	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	2-Nitroaniline	5	UJ	5	1	1.08	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	3-Nitroaniline	5	UJ	5	1	3.72	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	4-Nitroaniline	7	UJ	7	1	2.67	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	Dibenzofuran	5	UJ	5	1	2.49	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	2,4,6-Trichlorophenol	5	UJ	5	1	2.14	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	p-Chloro-m-cresol	5	UJ	5	1	1.52	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	2-Chlorophenol	6	UJ	6	1	2.72	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	2,4-Dichlorophenol	10	UJ	10	1	2.24	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2WMW44DS	4/14/2003	L0303359-01	8270C	2,4-Dimethylphenol	10	UJ	10	1	2.59	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	2-Nitrophenol	20	UJ	20	1	2.9	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	4-Nitrophenol	10	UJ	10	1	1.94	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	2,4-Dinitrophenol	20	UJ	20	1	2.33	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	4,6-Dinitro-o-cresol	20	UJ	20	1	2.3	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	Pentachlorophenol	20	UJ	20	1	2.44	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	Phenol	7	UJ	7	1	1.11	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	2-Methylphenol	6	UJ	6	1	1.97	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	3-Methylphenol/4-Methylphenol	6	UJ	6	1	1.9	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	2,4,5-Trichlorophenol	5	UJ	5	1	2.05	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	Carbazole	2	UJ	2	1	1.59	ug/l
2WMW44DS	4/14/2003	L0303359-01	8270C	2-Fluorophenol	23			1		%
2WMW44DS	4/14/2003	L0303359-01	8270C	Phenol-d6	17			1		%
2WMW44DS	4/14/2003	L0303359-01	8270C	Nitrobenzene-d5	44			1		%
2WMW44DS	4/14/2003	L0303359-01	8270C	2-Fluorobiphenyl	46			1		%
2WMW44DS	4/14/2003	L0303359-01	8270C	2,4,6-Tribromophenol	35			1		%
2WMW44DS	4/14/2003	L0303359-01	8270C	4-Terphenyl-d14	77			1		%
2WMW45DS-01	4/14/2003	L0303359-02	9038	Sulfate	10	U	10	1	10	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	2320B	Alkalinity, Total	1100		5	2.5	2	mg CaCO3/L
2WMW45DS-01	4/14/2003	L0303359-02	5220D	Chemical Oxygen Demand	480		200	10	20	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	2540D	Solids, Total Suspended	16		5	1	5	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	2340B	Hardness	3900		1.7	1	0.66	mg CaCO3/L
2WMW45DS-01	4/14/2003	L0303359-02	9251	Chloride	8500		200	200	1	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	9060	Total Organic Carbon	22		12	25	0.5	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	7470A	Mercury, Total	0.0002	U	0.0002	1	0.000012	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	7470A	Mercury, Dissolved	0.0002	U	0.0002	1	0.000012	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Aluminum, Dissolved	0.1	U	0.1	1	0.0192	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Antimony, Dissolved	0.05	U	0.05	1	0.0023	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Arsenic, Dissolved	0.005		0.004	1	0.002	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Barium, Dissolved	0.04		0.01	1	0.0002	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Beryllium, Dissolved	0.004	U	0.004	1	0.0008	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Cadmium, Dissolved	0.005	U	0.005	1	0.0002	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Chromium, Dissolved	0.01	U	0.01	1	0.0006	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Cobalt, Dissolved	0.02	U	0.02	1	0.0005	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Copper, Dissolved	0.01	U	0.01	1	0.0012	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Iron, Dissolved	0.05	U	0.05	1	0.027	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Lead, Dissolved	0.01	U	0.01	1	0.0011	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Manganese, Dissolved	0.05		0.01	1	0.0002	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Nickel, Dissolved	0.025	U	0.025	1	0.0009	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Selenium, Dissolved	0.01	U	0.01	1	0.0018	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Silver, Dissolved	0.01	U	0.01	1	0.0007	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Thallium, Dissolved	0.02	U	0.02	1	0.0026	mg/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Vanadium, Dissolved	0.01	U	0.01	1	0.0009	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Zinc, Dissolved	0.05	U	0.05	1	0.0007	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Calcium, Dissolved	150		10	1	0.0013	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Magnesium, Dissolved	440		10	1	0.0045	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Potassium, Dissolved	150		40	1	0.2702	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Sodium, Dissolved	3800		20	1	0.5148	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Aluminum, Total	0.16		0.1	1	0.0192	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Antimony, Total	0.05	U	0.05	1	0.0023	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Arsenic, Total	0.012		0.004	1	0.002	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Barium, Total	0.09		0.01	1	0.0002	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Beryllium, Total	0.004	U	0.004	1	0.0008	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Cadmium, Total	0.005	U	0.005	1	0.0002	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Chromium, Total	0.01	U	0.01	1	0.0006	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Cobalt, Total	0.02	U	0.02	1	0.0005	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Copper, Total	0.01	U	0.01	1	0.0012	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Iron, Total	1.2		0.05	1	0.027	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Lead, Total	0.01	U	0.01	1	0.0011	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Manganese, Total	0.02		0.01	1	0.0002	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Nickel, Total	0.025	U	0.025	1	0.0009	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Selenium, Total	0.01	U	0.01	1	0.0018	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Silver, Total	0.01	U	0.01	1	0.0007	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Thallium, Total	0.02	U	0.02	1	0.0026	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Vanadium, Total	0.01	U	0.01	1	0.0009	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Zinc, Total	0.05	U	0.05	1	0.0007	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Calcium, Total	260		10	1	0.0013	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Magnesium, Total	790		10	1	0.0045	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Potassium, Total	280		40	1	0.2702	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	6010B	Sodium, Total	6800		20	1	0.5148	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	2540C	Solids, Total Dissolved	14000		20	2	10	mg/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C-M	Acenaphthene	0.1	UJ	0.1	1	0.1	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C-M	2-Chloronaphthalene	0.1	UJ	0.1	1	0.1	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C-M	Fluoranthene	0.1	UJ	0.1	1	0.1	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C-M	Naphthalene	0.1	UJ	0.1	1	0.1	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C-M	Benzo(a)anthracene	0.1	UJ	0.1	1	0.1	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C-M	Benzo(a)pyrene	0.1	UJ	0.1	1	0.1	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C-M	Benzo(b)fluoranthene	0.1	UJ	0.1	1	0.1	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C-M	Benzo(k)fluoranthene	0.1	UJ	0.1	1	0.1	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C-M	Chrysene	0.1	UJ	0.1	1	0.1	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C-M	Acenaphthylene	0.1	UJ	0.1	1	0.1	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C-M	Anthracene	0.1	UJ	0.1	1	0.1	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C-M	Benzo(ghi)perylene	0.1	UJ	0.1	1	0.1	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C-M	Fluorene	0.1	UJ	0.1	1	0.1	ug/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2WMW45DS-01	4/14/2003	L0303359-02	8270C-M	Phenanthrene	0.1	UJ	0.1	1	0.1	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C-M	Dibenzo(a,h)anthracene	0.1	UJ	0.1	1	0.1	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C-M	Indeno(1,2,3-cd)Pyrene	0.1	UJ	0.1	1	0.1	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C-M	Pyrene	0.1	UJ	0.1	1	0.1	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C-M	2-Methylnaphthalene	0.2	UJ	0.2	1	0.2	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C-M	Nitrobenzene-d5	26			1		%
2WMW45DS-01	4/14/2003	L0303359-02	8270C-M	2-Fluorobiphenyl	40			1		%
2WMW45DS-01	4/14/2003	L0303359-02	8270C-M	4-Terphenyl-d14	77			1		%
2WMW45DS-01	4/14/2003	L0303359-02	8270C	1,2,4-Trichlorobenzene	5	UJ	5	1	0.743	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	Hexachlorobenzene	5	UJ	5	1	1.21	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	Bis(2-chloroethyl)ether	5	UJ	5	1	1.34	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	1,2-Dichlorobenzene	5	UJ	5	1	1.02	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	1,3-Dichlorobenzene	5	UJ	5	1	1.05	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	1,4-Dichlorobenzene	5	UJ	5	1	1.06	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	3,3'-Dichlorobenzidine	50	UJ	50	1	3.18	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	2,4-Dinitrotoluene	6	UJ	6	1	1.45	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	2,6-Dinitrotoluene	5	UJ	5	1	1.46	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	4-Chlorophenyl phenyl ether	5	UJ	5	1	0.86	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	4-Bromophenyl phenyl ether	5	UJ	5	1	1.06	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	Bis(2-chloroisopropyl)ether	5	UJ	5	1	2.3	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	Bis(2-chloroethoxy)methane	5	UJ	5	1	1.15	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	Hexachlorobutadiene	10	UJ	10	1	0.63	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	Hexachlorocyclopentadiene	10	UJ	10	1	0.45	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	Hexachloroethane	5	UJ	5	1	0.67	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	Isophorone	5	UJ	5	1	0.8	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	Nitrobenzene	5	UJ	5	1	0.69	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	NDPA/DPA	15	UJ	15	1	1.47	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	n-Nitrosodi-n-propylamine	5	UJ	5	1	0.64	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	Bis(2-ethylhexyl)phthalate	11	U	11	1	1.5	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	Butyl benzyl phthalate	5	UJ	5	1	0.78	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	Di-n-butylphthalate	5	UJ	5	1	1.32	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	Di-n-octylphthalate	5	UJ	5	1	1.47	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	Diethyl phthalate	5	UJ	5	1	1.24	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	Dimethyl phthalate	5	UJ	5	1	1.26	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	4-Chloroaniline	5	UJ	5	1	3.15	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	2-Nitroaniline	5	UJ	5	1	1.08	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	3-Nitroaniline	5	UJ	5	1	3.72	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	4-Nitroaniline	7	UJ	7	1	2.67	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	Dibenzofuran	5	UJ	5	1	2.49	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	2,4,6-Trichlorophenol	5	UJ	5	1	2.14	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	p-Chloro-m-cresol	5	UJ	5	1	1.52	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	2-Chlorophenol	6	UJ	6	1	2.72	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2WMW45DS-01	4/14/2003	L0303359-02	8270C	2,4-Dichlorophenol	10	UJ	10	1	2.24	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	2,4-Dimethylphenol	10	UJ	10	1	2.59	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	2-Nitrophenol	20	UJ	20	1	2.9	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	4-Nitrophenol	10	UJ	10	1	1.94	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	2,4-Dinitrophenol	20	UJ	20	1	2.33	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	4,6-Dinitro-o-cresol	20	UJ	20	1	2.3	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	Pentachlorophenol	20	UJ	20	1	2.44	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	Phenol	7	UJ	7	1	1.11	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	2-Methylphenol	6	UJ	6	1	1.97	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	3-Methylphenol/4-Methylphenol	6	UJ	6	1	1.9	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	2,4,5-Trichlorophenol	5	UJ	5	1	2.05	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	Carbazole	2	UJ	2	1	1.59	ug/l
2WMW45DS-01	4/14/2003	L0303359-02	8270C	2-Fluorophenol	13			1		%
2WMW45DS-01	4/14/2003	L0303359-02	8270C	Phenol-d6	13			1		%
2WMW45DS-01	4/14/2003	L0303359-02	8270C	Nitrobenzene-d5	29			1		%
2WMW45DS-01	4/14/2003	L0303359-02	8270C	2-Fluorobiphenyl	41			1		%
2WMW45DS-01	4/14/2003	L0303359-02	8270C	2,4,6-Tribromophenol	26			1		%
2WMW45DS-01	4/14/2003	L0303359-02	8270C	4-Terphenyl-d14	80			1		%
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	Bis(2-ethylhexyl)phthalate	5	U	5	1	1.5	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	1,2,4-Trichlorobenzene	5	UJ	5	1	0.743	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	Hexachlorobenzene	5	UJ	5	1	1.21	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	Bis(2-chloroethyl)ether	5	UJ	5	1	1.34	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	1,2-Dichlorobenzene	5	UJ	5	1	1.02	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	1,3-Dichlorobenzene	5	UJ	5	1	1.05	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	1,4-Dichlorobenzene	5	UJ	5	1	1.06	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	3,3'-Dichlorobenzidine	50	UJ	50	1	3.18	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	2,4-Dinitrotoluene	6	UJ	6	1	1.45	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	2,6-Dinitrotoluene	5	UJ	5	1	1.46	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	4-Chlorophenyl phenyl ether	5	UJ	5	1	0.86	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	4-Bromophenyl phenyl ether	5	UJ	5	1	1.06	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	Bis(2-chloroisopropyl)ether	5	UJ	5	1	2.3	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	Bis(2-chloroethoxy)methane	5	UJ	5	1	1.15	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	Hexachlorobutadiene	10	UJ	10	1	0.63	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	Hexachlorocyclopentadiene	10	UJ	10	1	0.45	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	Hexachloroethane	5	UJ	5	1	0.67	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	Isophorone	5	UJ	5	1	0.8	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	Nitrobenzene	5	UJ	5	1	0.69	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	NDPA/DPA	15	UJ	15	1	1.47	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	n-Nitrosodi-n-propylamine	5	UJ	5	1	0.64	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	Butyl benzyl phthalate	5	UJ	5	1	0.78	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	Di-n-butylphthalate	5	UJ	5	1	1.32	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	Di-n-octylphthalate	5	UJ	5	1	1.47	ug/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	Diethyl phthalate	5	UJ	5	1	1.24	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	Dimethyl phthalate	5	UJ	5	1	1.26	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	4-Chloroaniline	5	UJ	5	1	3.15	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	2-Nitroaniline	5	UJ	5	1	1.08	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	3-Nitroaniline	5	UJ	5	1	3.72	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	4-Nitroaniline	7	UJ	7	1	2.67	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	Dibenzofuran	5	UJ	5	1	2.49	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	2,4,6-Trichlorophenol	5	UJ	5	1	2.14	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	p-Chloro-m-cresol	5	UJ	5	1	1.52	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	2-Chlorophenol	6	UJ	6	1	2.72	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	2,4-Dichlorophenol	10	UJ	10	1	2.24	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	2,4-Dimethylphenol	10	UJ	10	1	2.59	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	2-Nitrophenol	20	UJ	20	1	2.9	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	4-Nitrophenol	10	UJ	10	1	1.94	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	2,4-Dinitrophenol	20	UJ	20	1	2.33	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	4,6-Dinitro-o-cresol	20	UJ	20	1	2.3	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	Pentachlorophenol	20	UJ	20	1	2.44	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	Phenol	7	UJ	7	1	1.11	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	2-Methylphenol	6	UJ	6	1	1.97	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	3-Methylphenol/4-Methylphenol	6	UJ	6	1	1.9	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	2,4,5-Trichlorophenol	5	UJ	5	1	2.05	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	Carbazole	2	UJ	2	1	1.59	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	9038	Sulfate	100		50	5	10	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	2320B	Alkalinity, Total	1200		5	2.5	2	mg CaCO3/L
2-WMW45DS-01D	4/13/2003	L0303389-05	5220D	Chemical Oxygen Demand	400		20	1	20	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	2540D	Solids, Total Suspended	14		5	1	5	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	2340B	Hardness	1700		1.7	1	0.66	mg CaCO3/L
2-WMW45DS-01D	4/13/2003	L0303389-05	9251	Chloride	8200		200	200	1	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	9060	Total Organic Carbon	24		10	20	0.5	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Barium, Dissolved	0.04		0.01	1	0.0002	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Manganese, Dissolved	0.03		0.01	1	0.0002	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Arsenic, Dissolved	0.006		0.004	1	0.002	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Calcium, Dissolved	130		10	1	0.0013	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Magnesium, Dissolved	390		10	1	0.0045	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Potassium, Dissolved	140		40	1	0.2702	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Sodium, Dissolved	3400		20	1	0.5148	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Aluminum, Total	0.12		0.1	1	0.0192	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Arsenic, Total	0.005		0.004	1	0.002	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Barium, Total	0.03		0.01	1	0.0002	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Iron, Total	1.3		0.05	1	0.027	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Manganese, Total	0.04		0.01	1	0.0002	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Calcium, Total	110		10	1	0.0013	mg/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Magnesium, Total	340		10	1	0.0045	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Potassium, Total	120		40	1	0.2702	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Sodium, Total	3000		20	1	0.5148	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	2540C	Solids, Total Dissolved	14000		20	2	10	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C-M	Acenaphthene	0.1	U	0.1	1	0.1	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C-M	2-Chloronaphthalene	0.1	UJ	0.1	1	0.1	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C-M	Fluoranthene	0.1	U	0.1	1	0.1	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C-M	Naphthalene	0.1	U	0.1	1	0.1	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C-M	Benzo(a)anthracene	0.1	U	0.1	1	0.1	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C-M	Benzo(a)pyrene	0.1	U	0.1	1	0.1	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C-M	Benzo(b)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C-M	Benzo(k)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C-M	Chrysene	0.1	U	0.1	1	0.1	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C-M	Acenaphthylene	0.1	U	0.1	1	0.1	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C-M	Anthracene	0.1	U	0.1	1	0.1	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C-M	Benzo(ghi)perylene	0.1	U	0.1	1	0.1	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C-M	Fluorene	0.1	U	0.1	1	0.1	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C-M	Phenanthrene	0.1	U	0.1	1	0.1	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C-M	Dibenzo(a,h)anthracene	0.1	U	0.1	1	0.1	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C-M	Indeno(1,2,3-cd)Pyrene	0.1	U	0.1	1	0.1	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C-M	Pyrene	0.1	U	0.1	1	0.1	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C-M	2-Methylnaphthalene	0.2	U	0.2	1	0.2	ug/l
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C-M	Nitrobenzene-d5	63			1		%
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C-M	2-Fluorobiphenyl	70			1		%
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C-M	4-Terphenyl-d14	86			1		%
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	2-Fluorophenol	22			1		%
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	Phenol-d6	16			1		%
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	Nitrobenzene-d5	64			1		%
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	2-Fluorobiphenyl	61			1		%
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	2,4,6-Tribromophenol	27			1		%
2-WMW45DS-01D	4/13/2003	L0303389-05	8270C	4-Terphenyl-d14	75			1		%
2-WMW45DS-01D	4/13/2003	L0303389-05	7470A	Mercury, Total	0.0002	U	0.0002	1	0.000012	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	7470A	Mercury, Dissolved	0.0002	U	0.0002	1	0.000012	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Iron, Dissolved	0.05	U	0.05	1	0.027	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Aluminum, Dissolved	0.1	U	0.1	1	0.0192	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Antimony, Dissolved	0.05	U	0.05	1	0.0023	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Beryllium, Dissolved	0.004	U	0.004	1	0.0008	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Cadmium, Dissolved	0.005	U	0.005	1	0.0002	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Chromium, Dissolved	0.01	U	0.01	1	0.0006	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Cobalt, Dissolved	0.02	U	0.02	1	0.0005	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Copper, Dissolved	0.01	U	0.01	1	0.0012	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Lead, Dissolved	0.01	U	0.01	1	0.0011	mg/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Nickel, Dissolved	0.025	U	0.025	1	0.0009	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Selenium, Dissolved	0.01	U	0.01	1	0.0018	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Silver, Dissolved	0.01	U	0.01	1	0.0007	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Thallium, Dissolved	0.02	U	0.02	1	0.0026	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Vanadium, Dissolved	0.01	U	0.01	1	0.0009	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Zinc, Dissolved	0.05	U	0.05	1	0.0007	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Antimony, Total	0.05	U	0.05	1	0.0023	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Beryllium, Total	0.004	U	0.004	1	0.0008	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Cadmium, Total	0.005	U	0.005	1	0.0002	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Chromium, Total	0.01	U	0.01	1	0.0006	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Cobalt, Total	0.02	U	0.02	1	0.0005	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Copper, Total	0.01	U	0.01	1	0.0012	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Lead, Total	0.01	U	0.01	1	0.0011	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Nickel, Total	0.025	U	0.025	1	0.0009	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Selenium, Total	0.01	U	0.01	1	0.0018	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Silver, Total	0.01	U	0.01	1	0.0007	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Thallium, Total	0.02	U	0.02	1	0.0026	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Vanadium, Total	0.01	U	0.01	1	0.0009	mg/l
2-WMW45DS-01D	4/13/2003	L0303389-05	6010B	Zinc, Total	0.05	U	0.05	1	0.0007	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	Bis(2-ethylhexyl)phthalate	5	U	5	1	1.5	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	1,2,4-Trichlorobenzene	5	UJ	5	1	0.743	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	Hexachlorobenzene	5	UJ	5	1	1.21	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	Bis(2-chloroethyl)ether	5	UJ	5	1	1.34	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	1,2-Dichlorobenzene	5	UJ	5	1	1.02	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	1,3-Dichlorobenzene	5	UJ	5	1	1.05	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	1,4-Dichlorobenzene	5	UJ	5	1	1.06	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	3,3'-Dichlorobenzidine	50	UJ	50	1	3.18	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	2,4-Dinitrotoluene	6	UJ	6	1	1.45	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	2,6-Dinitrotoluene	5	UJ	5	1	1.46	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	4-Chlorophenyl phenyl ether	5	UJ	5	1	0.86	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	4-Bromophenyl phenyl ether	5	UJ	5	1	1.06	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	Bis(2-chloroisopropyl)ether	5	UJ	5	1	2.3	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	Bis(2-chloroethoxy)methane	5	UJ	5	1	1.15	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	Hexachlorobutadiene	10	UJ	10	1	0.63	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	Hexachlorocyclopentadiene	10	UJ	10	1	0.45	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	Hexachloroethane	5	UJ	5	1	0.67	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	Isophorone	5	UJ	5	1	0.8	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	Nitrobenzene	5	UJ	5	1	0.69	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	NDPA/DPA	15	UJ	15	1	1.47	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	n-Nitrosodi-n-propylamine	5	UJ	5	1	0.64	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	Butyl benzyl phthalate	5	UJ	5	1	0.78	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	Di-n-butylphthalate	5	UJ	5	1	1.32	ug/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	Di-n-octylphthalate	5	UJ	5	1	1.47	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	Diethyl phthalate	5	UJ	5	1	1.24	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	Dimethyl phthalate	5	UJ	5	1	1.26	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	4-Chloroaniline	5	UJ	5	1	3.15	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	2-Nitroaniline	5	UJ	5	1	1.08	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	3-Nitroaniline	5	UJ	5	1	3.72	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	4-Nitroaniline	7	UJ	7	1	2.67	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	Dibenzofuran	5	UJ	5	1	2.49	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	2,4,6-Trichlorophenol	5	UJ	5	1	2.14	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	p-Chloro-m-cresol	5	UJ	5	1	1.52	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	2-Chlorophenol	6	UJ	6	1	2.72	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	2,4-Dichlorophenol	10	UJ	10	1	2.24	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	2,4-Dimethylphenol	10	UJ	10	1	2.59	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	2-Nitrophenol	20	UJ	20	1	2.9	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	4-Nitrophenol	10	UJ	10	1	1.94	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	2,4-Dinitrophenol	20	UJ	20	1	2.33	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	4,6-Dinitro-o-cresol	20	UJ	20	1	2.3	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	Pentachlorophenol	20	UJ	20	1	2.44	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	Phenol	7	UJ	7	1	1.11	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	2-Methylphenol	6	UJ	6	1	1.97	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	3-Methylphenol/4-Methylphenol	6	UJ	6	1	1.9	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	2,4,5-Trichlorophenol	5	UJ	5	1	2.05	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	Carbazole	2	UJ	2	1	1.59	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	2320B	Alkalinity, Total	2500		10	5	2	mg CaCO3/L
2-WMW46DS-01	4/13/2003	L0303389-06	5220D	Chemical Oxygen Demand	1400		40	2	20	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	2540D	Solids, Total Suspended	38		5	1	5	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	2340B	Hardness	5700		1.7	1	0.66	mg CaCO3/L
2-WMW46DS-01	4/13/2003	L0303389-06	9251	Chloride	16000		200	200	1	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	9060	Total Organic Carbon	49		20	40	0.5	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Iron, Dissolved	0.07		0.05	1	0.027	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Arsenic, Dissolved	0.019		0.004	1	0.002	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Barium, Dissolved	0.09		0.01	1	0.0002	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Manganese, Dissolved	0.04		0.01	1	0.0002	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Calcium, Dissolved	360		10	1	0.0013	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Magnesium, Dissolved	1100		10	1	0.0045	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Potassium, Dissolved	330		40	1	0.2702	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Sodium, Dissolved	8600		20	1	0.5148	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Aluminum, Total	0.13		0.1	1	0.0192	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Arsenic, Total	0.018		0.004	1	0.002	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Barium, Total	0.1		0.01	1	0.0002	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Iron, Total	2.6		0.05	1	0.027	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Manganese, Total	0.04		0.01	1	0.0002	mg/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Zinc, Total	0.06		0.05	1	0.0007	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Calcium, Total	370		10	1	0.0013	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Magnesium, Total	1200		10	1	0.0045	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Potassium, Total	350		40	1	0.2702	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Sodium, Total	9000		20	1	0.5148	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	2540C	Solids, Total Dissolved	28000		20	2	10	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C-M	Acenaphthene	0.1	U	0.1	1	0.1	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C-M	2-Chloronaphthalene	0.1	UJ	0.1	1	0.1	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C-M	Fluoranthene	0.1	U	0.1	1	0.1	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C-M	Naphthalene	0.1	U	0.1	1	0.1	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C-M	Benzo(a)anthracene	0.1	U	0.1	1	0.1	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C-M	Benzo(a)pyrene	0.1	U	0.1	1	0.1	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C-M	Benzo(b)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C-M	Benzo(k)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C-M	Chrysene	0.1	U	0.1	1	0.1	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C-M	Acenaphthylene	0.1	U	0.1	1	0.1	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C-M	Anthracene	0.1	U	0.1	1	0.1	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C-M	Benzo(ghi)perylene	0.1	U	0.1	1	0.1	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C-M	Fluorene	0.1	U	0.1	1	0.1	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C-M	Phenanthrene	0.1	U	0.1	1	0.1	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C-M	Dibenzo(a,h)anthracene	0.1	U	0.1	1	0.1	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C-M	Indeno(1,2,3-cd)Pyrene	0.1	U	0.1	1	0.1	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C-M	Pyrene	0.1	U	0.1	1	0.1	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C-M	2-Methylnaphthalene	0.2	U	0.2	1	0.2	ug/l
2-WMW46DS-01	4/13/2003	L0303389-06	8270C-M	Nitrobenzene-d5	46			1		%
2-WMW46DS-01	4/13/2003	L0303389-06	8270C-M	2-Fluorobiphenyl	70			1		%
2-WMW46DS-01	4/13/2003	L0303389-06	8270C-M	4-Terphenyl-d14	84			1		%
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	2-Fluorophenol	21			1		%
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	Phenol-d6	21			1		%
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	Nitrobenzene-d5	49			1		%
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	2-Fluorobiphenyl	64			1		%
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	2,4,6-Tribromophenol	27			1		%
2-WMW46DS-01	4/13/2003	L0303389-06	8270C	4-Terphenyl-d14	76			1		%
2-WMW46DS-01	4/13/2003	L0303389-06	9038	Sulfate	10	U	10	1	10	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	7470A	Mercury, Total	0.0002	U	0.0002	1	0.000012	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	7470A	Mercury, Dissolved	0.0002	U	0.0002	1	0.000012	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Aluminum, Dissolved	0.1	U	0.1	1	0.0192	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Antimony, Dissolved	0.05	U	0.05	1	0.0023	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Beryllium, Dissolved	0.004	U	0.004	1	0.0008	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Cadmium, Dissolved	0.005	U	0.005	1	0.0002	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Chromium, Dissolved	0.01	U	0.01	1	0.0006	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Cobalt, Dissolved	0.02	U	0.02	1	0.0005	mg/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Copper, Dissolved	0.01	U	0.01	1	0.0012	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Lead, Dissolved	0.01	U	0.01	1	0.0011	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Nickel, Dissolved	0.025	U	0.025	1	0.0009	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Selenium, Dissolved	0.01	U	0.01	1	0.0018	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Silver, Dissolved	0.01	U	0.01	1	0.0007	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Thallium, Dissolved	0.02	U	0.02	1	0.0026	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Vanadium, Dissolved	0.01	U	0.01	1	0.0009	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Zinc, Dissolved	0.05	U	0.05	1	0.0007	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Antimony, Total	0.05	U	0.05	1	0.0023	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Beryllium, Total	0.004	U	0.004	1	0.0008	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Cadmium, Total	0.005	U	0.005	1	0.0002	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Chromium, Total	0.01	U	0.01	1	0.0006	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Cobalt, Total	0.02	U	0.02	1	0.0005	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Copper, Total	0.01	U	0.01	1	0.0012	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Lead, Total	0.01	U	0.01	1	0.0011	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Nickel, Total	0.025	U	0.025	1	0.0009	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Selenium, Total	0.01	U	0.01	1	0.0018	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Silver, Total	0.01	U	0.01	1	0.0007	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Thallium, Total	0.02	U	0.02	1	0.0026	mg/l
2-WMW46DS-01	4/13/2003	L0303389-06	6010B	Vanadium, Total	0.01	U	0.01	1	0.0009	mg/l
2WMW47DS	4/15/2003	L0303389-03	8270C	1,2,4-Trichlorobenzene	5	UJ	5	1	0.743	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	Hexachlorobenzene	5	UJ	5	1	1.21	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	Bis(2-chloroethyl)ether	5	UJ	5	1	1.34	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	1,2-Dichlorobenzene	5	UJ	5	1	1.02	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	1,3-Dichlorobenzene	5	UJ	5	1	1.05	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	1,4-Dichlorobenzene	5	UJ	5	1	1.06	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	3,3'-Dichlorobenzidine	50	UJ	50	1	3.18	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	2,4-Dinitrotoluene	6	UJ	6	1	1.45	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	2,6-Dinitrotoluene	5	UJ	5	1	1.46	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	4-Chlorophenyl phenyl ether	5	UJ	5	1	0.86	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	4-Bromophenyl phenyl ether	5	UJ	5	1	1.06	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	Bis(2-chloroisopropyl)ether	5	UJ	5	1	2.3	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	Bis(2-chloroethoxy)methane	5	UJ	5	1	1.15	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	Hexachlorobutadiene	10	UJ	10	1	0.63	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	Hexachlorocyclopentadiene	10	UJ	10	1	0.45	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	Hexachloroethane	5	UJ	5	1	0.67	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	Isophorone	5	UJ	5	1	0.8	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	Nitrobenzene	5	UJ	5	1	0.69	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	NDPA/DPA	15	UJ	15	1	1.47	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	n-Nitrosodi-n-propylamine	5	UJ	5	1	0.64	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	Butyl benzyl phthalate	5	UJ	5	1	0.78	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	Di-n-butylphthalate	5	UJ	5	1	1.32	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2WMW47DS	4/15/2003	L0303389-03	8270C	Di-n-octylphthalate	5	UJ	5	1	1.47	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	Diethyl phthalate	5	UJ	5	1	1.24	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	Dimethyl phthalate	5	UJ	5	1	1.26	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	4-Chloroaniline	5	UJ	5	1	3.15	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	2-Nitroaniline	5	UJ	5	1	1.08	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	3-Nitroaniline	5	UJ	5	1	3.72	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	4-Nitroaniline	7	UJ	7	1	2.67	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	Dibenzofuran	5	UJ	5	1	2.49	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	2,4,6-Trichlorophenol	5	UJ	5	1	2.14	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	p-Chloro-m-cresol	5	UJ	5	1	1.52	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	2-Chlorophenol	6	UJ	6	1	2.72	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	2,4-Dichlorophenol	10	UJ	10	1	2.24	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	2,4-Dimethylphenol	10	UJ	10	1	2.59	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	2-Nitrophenol	20	UJ	20	1	2.9	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	4-Nitrophenol	10	UJ	10	1	1.94	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	2,4-Dinitrophenol	20	UJ	20	1	2.33	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	4,6-Dinitro-o-cresol	20	UJ	20	1	2.3	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	Pentachlorophenol	20	UJ	20	1	2.44	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	Phenol	7	UJ	7	1	1.11	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	2-Methylphenol	6	UJ	6	1	1.97	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	3-Methylphenol/4-Methylphenol	6	UJ	6	1	1.9	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	2,4,5-Trichlorophenol	5	UJ	5	1	2.05	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	Carbazole	2	UJ	2	1	1.59	ug/l
2WMW47DS	4/15/2003	L0303389-03	2320B	Alkalinity, Total	410		2	1	2	mg CaCO3/L
2WMW47DS	4/15/2003	L0303389-03	5220D	Chemical Oxygen Demand	160		20	1	20	mg/l
2WMW47DS	4/15/2003	L0303389-03	2540D	Solids, Total Suspended	100		10	2	5	mg/l
2WMW47DS	4/15/2003	L0303389-03	2340B	Hardness	430		1.7	1	0.66	mg CaCO3/L
2WMW47DS	4/15/2003	L0303389-03	9251	Chloride	2300		50	50	1	mg/l
2WMW47DS	4/15/2003	L0303389-03	9060	Total Organic Carbon	14		5	10	0.5	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Arsenic, Dissolved	0.012		0.004	1	0.002	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Barium, Dissolved	0.26		0.01	1	0.0002	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Iron, Dissolved	97		0.05	1	0.027	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Lead, Dissolved	0.015		0.01	1	0.0011	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Manganese, Dissolved	3.4		0.01	1	0.0002	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Calcium, Dissolved	50		5	1	0.0013	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Magnesium, Dissolved	81		5	1	0.0045	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Potassium, Dissolved	61		20	1	0.2702	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Sodium, Dissolved	1100		10	1	0.5148	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Aluminum, Total	0.15		0.1	1	0.0192	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Arsenic, Total	0.015		0.004	1	0.002	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Barium, Total	0.26		0.01	1	0.0002	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Iron, Total	94		0.05	1	0.027	mg/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2WMW47DS	4/15/2003	L0303389-03	6010B	Lead, Total	0.014		0.01	1	0.0011	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Manganese, Total	3.3		0.01	1	0.0002	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Calcium, Total	48		5	1	0.0013	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Magnesium, Total	76		5	1	0.0045	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Potassium, Total	55		20	1	0.2702	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Sodium, Total	1000		10	1	0.5148	mg/l
2WMW47DS	4/15/2003	L0303389-03	2540C	Solids, Total Dissolved	4200		20	2	10	mg/l
2WMW47DS	4/15/2003	L0303389-03	8270C-M	Acenaphthene	0.1	U	0.1	1	0.1	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C-M	2-Chloronaphthalene	0.1	UJ	0.1	1	0.1	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C-M	Fluoranthene	0.1	U	0.1	1	0.1	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C-M	Naphthalene	0.1	U	0.1	1	0.1	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C-M	Benzo(a)anthracene	0.1	U	0.1	1	0.1	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C-M	Benzo(a)pyrene	0.1	U	0.1	1	0.1	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C-M	Benzo(b)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C-M	Benzo(k)fluoranthene	0.1	U	0.1	1	0.1	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C-M	Chrysene	0.1	U	0.1	1	0.1	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C-M	Acenaphthylene	0.1	U	0.1	1	0.1	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C-M	Anthracene	0.1	U	0.1	1	0.1	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C-M	Benzo(ghi)perylene	0.1	U	0.1	1	0.1	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C-M	Fluorene	0.1	U	0.1	1	0.1	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C-M	Phenanthrene	0.1	U	0.1	1	0.1	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C-M	Dibenzo(a,h)anthracene	0.1	U	0.1	1	0.1	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C-M	Indeno(1,2,3-cd)Pyrene	0.1	U	0.1	1	0.1	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C-M	Pyrene	0.1	U	0.1	1	0.1	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C-M	2-Methylnaphthalene	0.2	U	0.2	1	0.2	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C-M	Nitrobenzene-d5	62			1		%
2WMW47DS	4/15/2003	L0303389-03	8270C-M	2-Fluorobiphenyl	67			1		%
2WMW47DS	4/15/2003	L0303389-03	8270C-M	4-Terphenyl-d14	96			1		%
2WMW47DS	4/15/2003	L0303389-03	8270C	Bis(2-ethylhexyl)phthalate	21	U	5	1	1.5	ug/l
2WMW47DS	4/15/2003	L0303389-03	8270C	2-Fluorophenol	34			1		%
2WMW47DS	4/15/2003	L0303389-03	8270C	Phenol-d6	24			1		%
2WMW47DS	4/15/2003	L0303389-03	8270C	Nitrobenzene-d5	60			1		%
2WMW47DS	4/15/2003	L0303389-03	8270C	2-Fluorobiphenyl	61			1		%
2WMW47DS	4/15/2003	L0303389-03	8270C	2,4,6-Tribromophenol	42			1		%
2WMW47DS	4/15/2003	L0303389-03	8270C	4-Terphenyl-d14	86			1		%
2WMW47DS	4/15/2003	L0303389-03	9038	Sulfate	10	U	10	1	10	mg/l
2WMW47DS	4/15/2003	L0303389-03	7470A	Mercury, Total	0.0002	U	0.0002	1	0.000012	mg/l
2WMW47DS	4/15/2003	L0303389-03	7470A	Mercury, Dissolved	0.0002	U	0.0002	1	0.000012	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Aluminum, Dissolved	0.1	U	0.1	1	0.0192	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Antimony, Dissolved	0.05	U	0.05	1	0.0023	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Beryllium, Dissolved	0.004	U	0.004	1	0.0008	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Cadmium, Dissolved	0.005	U	0.005	1	0.0002	mg/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2WMW47DS	4/15/2003	L0303389-03	6010B	Chromium, Dissolved	0.01	U	0.01	1	0.0006	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Cobalt, Dissolved	0.02	U	0.02	1	0.0005	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Copper, Dissolved	0.01	U	0.01	1	0.0012	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Nickel, Dissolved	0.025	U	0.025	1	0.0009	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Selenium, Dissolved	0.01	U	0.01	1	0.0018	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Silver, Dissolved	0.01	U	0.01	1	0.0007	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Thallium, Dissolved	0.02	U	0.02	1	0.0026	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Vanadium, Dissolved	0.01	U	0.01	1	0.0009	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Zinc, Dissolved	0.05	U	0.05	1	0.0007	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Antimony, Total	0.05	U	0.05	1	0.0023	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Beryllium, Total	0.004	U	0.004	1	0.0008	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Cadmium, Total	0.005	U	0.005	1	0.0002	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Chromium, Total	0.01	U	0.01	1	0.0006	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Cobalt, Total	0.02	U	0.02	1	0.0005	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Copper, Total	0.01	U	0.01	1	0.0012	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Nickel, Total	0.025	U	0.025	1	0.0009	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Selenium, Total	0.01	U	0.01	1	0.0018	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Silver, Total	0.01	U	0.01	1	0.0007	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Thallium, Total	0.02	U	0.02	1	0.0026	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Vanadium, Total	0.01	U	0.01	1	0.0009	mg/l
2WMW47DS	4/15/2003	L0303389-03	6010B	Zinc, Total	0.05	U	0.05	1	0.0007	mg/l
3-GW12D-01	4/2/2003	L0302959-03	9056	Sulfate	21		1	1	1	mg/l
3-GW12D-01	4/2/2003	L0302959-03	9060	Total Organic Carbon	4.8		2	4	0.5	mg/l
3-GW12D-01	4/2/2003	L0302959-03	9251	Chloride	750		10	10	1	mg/l
3-GW12D-01	4/2/2003	L0302959-03	2320B	Alkalinity, Total	200		2	1	2	mg CaCO3/L
3-GW12D-01	4/2/2003	L0302959-03	2540C	Solids, Total Dissolved	1600		10	1	10	mg/l
3-GW12D-01	4/2/2003	L0302959-03	2540D	Solids, Total SuspeUed	6.6		5	1	5	mg/l
3-GW12D-01	4/2/2003	L0302959-03	5220D	Chemical Oxygen DemaU	50		20	1	20	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Aluminum, Dissolved	0.1	U	0.1	1	0.0192	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Aluminum, Total	0.1	U	0.1	1	0.0192	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Antimony, Dissolved	0.05	U	0.05	1	0.0023	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Antimony, Total	0.05	U	0.05	1	0.0023	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Arsenic, Dissolved	0.004	U	0.004	1	0.002	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Arsenic, Total	0.004	U	0.004	1	0.002	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Barium, Dissolved	0.07		0.01	1	0.0002	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Barium, Total	0.07		0.01	1	0.0002	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Beryllium, Dissolved	0.004	U	0.004	1	0.0008	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Beryllium, Total	0.004	U	0.004	1	0.0008	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Cadmium, Dissolved	0.005	U	0.005	1	0.0002	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Cadmium, Total	0.005	U	0.005	1	0.0002	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Calcium, Dissolved	60		0.1	1	0.0013	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Calcium, Total	61		0.5	1	0.0013	mg/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
3-GW12D-01	4/2/2003	L0302959-03	6010B	Chromium, Dissolved	0.01	U	0.01	1	0.0006	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Chromium, Total	0.01	U	0.01	1	0.0006	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Cobalt, Dissolved	0.02	U	0.02	1	0.0005	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Cobalt, Total	0.02	U	0.02	1	0.0005	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Copper, Dissolved	0.01	U	0.01	1	0.0012	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Copper, Total	0.01	U	0.01	1	0.0012	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Hardness	360		1.7	1	1.66	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Iron, Dissolved	9.9		0.05	1	0.027	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Iron, Total	11		0.05	1	0.027	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Lead, Dissolved	0.01	U	0.01	1	0.0011	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Lead, Total	0.01	U	0.01	1	0.0011	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Magnesium, Dissolved	54		0.1	1	0.0045	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Magnesium, Total	52		0.5	1	0.0045	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Manganese, Dissolved	6		0.01	1	0.0002	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Manganese, Total	6		0.01	1	0.0002	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Nickel, Dissolved	0.025	U	0.025	1	0.0009	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Nickel, Total	0.025	U	0.025	1	0.0009	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Potassium, Dissolved	19		2	1	0.2702	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Potassium, Total	18		2	1	0.2702	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Selenium, Dissolved	0.01	U	0.01	1	0.0018	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Selenium, Total	0.01	U	0.01	1	0.0018	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Silver, Dissolved	0.01	U	0.01	1	0.0007	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Silver, Total	0.01	U	0.01	1	0.0007	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Sodium, Dissolved	460		1	1	0.5148	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Sodium, Total	460		1	1	0.5148	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Thallium, Dissolved	0.02	U	0.02	1	0.0026	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Thallium, Total	0.02	U	0.02	1	0.0026	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Vanadium, Dissolved	0.01	U	0.01	1	0.0009	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Vanadium, Total	0.01	U	0.01	1	0.0009	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Zinc, Dissolved	0.05	U	0.05	1	0.0007	mg/l
3-GW12D-01	4/2/2003	L0302959-03	6010B	Zinc, Total	0.05	U	0.05	1	0.0007	mg/l
3-GW12D-01	4/2/2003	L0302959-03	7470A	Mercury, Dissolved	0.0002	U	0.0002	1	0.000012	mg/l
3-GW12D-01	4/2/2003	L0302959-03	7470A	Mercury, Total	0.0002	U	0.0002	1	0.000012	mg/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	1,2,4-Trichlorobenzene	5	U	5	1	0.743	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	1,2-Dichlorobenzene	5	U	5	1	1.02	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	1,3-Dichlorobenzene	5	U	5	1	1.05	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	1,4-Dichlorobenzene	5	U	5	1	1.06	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	2,4,5-Trichlorophenol	5	U	5	1	2.05	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	2,4,6-Tribromophenol	82			1		%
3-GW12D-01	4/2/2003	L0302959-03	8270C	2,4,6-Trichlorophenol	5	U	5	1	2.14	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	2,4-Dichlorophenol	10	U	10	1	2.24	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	2,4-Dimethylphenol	10	U	10	1	2.59	ug/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
3-GW12D-01	4/2/2003	L0302959-03	8270C	2,4-Dinitrophenol	20	U	20	1	2.33	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	2,4-Dinitrotoluene	6	U	6	1	1.45	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	2,6-Dinitrotoluene	5	U	5	1	1.46	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	2-Chlorophenol	6	U	6	1	2.72	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	2-Fluorobiphenyl	63			1		%
3-GW12D-01	4/2/2003	L0302959-03	8270C	2-Fluorophenol	33			1		%
3-GW12D-01	4/2/2003	L0302959-03	8270C	2-Methylphenol	6	U	6	1	1.97	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	2-Nitroaniline	5	U	5	1	1.08	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	2-Nitrophenol	20	U	20	1	2.9	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	3,3'-Dichlorobenzidine	50	UJ	50	1	3.18	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	3-Methylphenol/4-Methylphenol	6	U	6	1	1.9	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	3-Nitroaniline	5	UJ	5	1	3.72	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	4,6-Dinitro-o-cresol	20	U	20	1	2.3	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	4-Bromophenyl phenyl ether	5	U	5	1	1.06	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	4-Chloroaniline	5	UJ	5	1	3.15	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	4-Chlorophenyl phenyl ether	5	U	5	1	0.86	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	4-Nitroaniline	7	UJ	7	1	2.67	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	4-Nitrophenol	10	U	10	1	1.94	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	4-Terphenyl-d14	90			1		%
3-GW12D-01	4/2/2003	L0302959-03	8270C	Bis(2-chloroethoxy)methane	5	U	5	1	1.15	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	Bis(2-chloroethyl)ether	5	U	5	1	1.34	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	Bis(2-chloroisopropyl)ether	5	U	5	1	2.3	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	Bis(2-ethylhexyl)phthalate	5	U	5	1	1.5	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	Butyl benzyl phthalate	5	U	5	1	0.78	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	Carbazole	2	U	2	1	1.59	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	Dibenzofuran	5	U	5	1	2.49	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	Diethyl phthalate	5	U	5	1	1.24	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	Dimethyl phthalate	5	U	5	1	1.26	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	Di-n-butylphthalate	5	U	5	1	1.32	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	Di-n-octylphthalate	5	U	5	1	1.47	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	Hexachlorobenzene	5	U	5	1	1.21	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	Hexachlorobutadiene	10	U	10	1	0.63	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	Hexachlorocyclopentadiene	10	UJ	10	1	0.45	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	Hexachloroethane	5	U	5	1	0.67	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	Isophorone	5	U	5	1	0.8	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	NDPA/DPA	15	U	15	1	1.47	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	Nitrobenzene	5	U	5	1	0.69	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	Nitrobenzene-d5	61			1		%
3-GW12D-01	4/2/2003	L0302959-03	8270C	n-Nitrosodi-n-propylamine	5	U	5	1	0.64	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	p-Chloro-m-cresol	5	U	5	1	1.52	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	Pentachlorophenol	20	U	20	1	2.44	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C	Phenol	7	U	7	1	1.11	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
3-GW12D-01	4/2/2003	L0302959-03	8270C	Phenol-d6	22			1		%
3-GW12D-01	4/2/2003	L0302959-03	8270C-M	2-Chloronaphthalene	0.1	U	0.1	1	0.1	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C-M	2-Fluorobiphenyl	59			1		%
3-GW12D-01	4/2/2003	L0302959-03	8270C-M	2-Methylnaphthalene	0.2	U	0.2	1	0.2	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C-M	4-Terphenyl-d14	72			1		%
3-GW12D-01	4/2/2003	L0302959-03	8270C-M	Acenaphthene	0.1	U	0.1	1	0.1	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C-M	Acenaphthylene	0.1	U	0.1	1	0.1	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C-M	Anthracene	0.1	U	0.1	1	0.1	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C-M	Benzo(a)pyrene	0.1	U	0.1	1	0.1	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C-M	Benzo(b)fluoranthene	0.1	U	0.1	1	0.1	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C-M	Benzo(ghi)perylene	0.1	U	0.1	1	0.1	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C-M	Benzo(k)fluoranthene	0.1	U	0.1	1	0.1	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C-M	Chrysene	0.1	U	0.1	1	0.1	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C-M	Dibenzo(a,h)anthracene	0.1	U	0.1	1	0.1	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C-M	Fluoranthene	0.1	U	0.1	1	0.1	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C-M	Fluorene	0.1	U	0.1	1	0.1	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C-M	Indeno(1,2,3-cd)Pyrene	0.1	U	0.1	1	0.1	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C-M	Naphthalene	0.1	U	0.1	1	0.1	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C-M	Nitrobenzene-d5	55			1		%
3-GW12D-01	4/2/2003	L0302959-03	8270C-M	Phenanthrene	0.1	U	0.1	1	0.1	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C-M	Pyrene	0.1	U	0.1	1	0.1	ug/l
3-GW12D-01	4/2/2003	L0302959-03	8270C-M	Benzo(a)anthracene	0.1	U	0.1	1	0.1	ug/l
3-GW37S-01	4/2/2003	L0302959-02	9056	Sulfate	69		5	5	1	mg/l
3-GW37S-01	4/2/2003	L0302959-02	9060	Total Organic Carbon	3.8		1	2	0.5	mg/l
3-GW37S-01	4/2/2003	L0302959-02	9251	Chloride	510		10	10	1	mg/l
3-GW37S-01	4/2/2003	L0302959-02	2320B	Alkalinity, Total	140		2	1	2	mg CaCO3/L
3-GW37S-01	4/2/2003	L0302959-02	2540C	Solids, Total Dissolved	1000		10	1	10	mg/l
3-GW37S-01	4/2/2003	L0302959-02	2540D	Solids, Total SuspeUed	5	U	5	1	5	mg/l
3-GW37S-01	4/2/2003	L0302959-02	5220D	Chemical Oxygen DemaU	34		20	1	20	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Aluminum, Dissolved	0.1	U	0.1	1	0.0192	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Aluminum, Total	0.1	U	0.1	1	0.0192	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Antimony, Dissolved	0.05	U	0.05	1	0.0023	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Antimony, Total	0.05	U	0.05	1	0.0023	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Arsenic, Dissolved	0.004	U	0.004	1	0.002	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Arsenic, Total	0.004	U	0.004	1	0.002	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Barium, Dissolved	0.22		0.01	1	0.0002	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Barium, Total	0.21		0.01	1	0.0002	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Beryllium, Dissolved	0.004	U	0.004	1	0.0008	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Beryllium, Total	0.004	U	0.004	1	0.0008	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Cadmium, Dissolved	0.005	U	0.005	1	0.0002	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Cadmium, Total	0.005	U	0.005	1	0.0002	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Calcium, Dissolved	44		0.5	1	0.0013	mg/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
3-GW37S-01	4/2/2003	L0302959-02	6010B	Calcium, Total	45		0.5	1	0.0013	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Chromium, Dissolved	0.01	U	0.01	1	0.0006	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Chromium, Total	0.01	U	0.01	1	0.0006	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Cobalt, Dissolved	0.02	U	0.02	1	0.0005	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Cobalt, Total	0.02	U	0.02	1	0.0005	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Copper, Dissolved	0.01	U	0.01	1	0.0012	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Copper, Total	0.01	U	0.01	1	0.0012	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Hardness	240		1.7	1	1.66	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Iron, Dissolved	0.43		0.05	1	0.027	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Iron, Total	0.5		0.05	1	0.027	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Lead, Dissolved	0.01	U	0.01	1	0.0011	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Lead, Total	0.01	U	0.01	1	0.0011	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Magnesium, Dissolved	31		0.5	1	0.0045	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Magnesium, Total	30		0.5	1	0.0045	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Manganese, Dissolved	4		0.01	1	0.0002	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Manganese, Total	4.1		0.01	1	0.0002	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Nickel, Dissolved	0.025	U	0.025	1	0.0009	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Nickel, Total	0.025	U	0.025	1	0.0009	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Potassium, Dissolved	12		2	1	0.2702	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Potassium, Total	10		2	1	0.2702	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Selenium, Dissolved	0.01	U	0.01	1	0.0018	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Selenium, Total	0.01	U	0.01	1	0.0018	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Silver, Dissolved	0.01	U	0.01	1	0.0007	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Silver, Total	0.01	U	0.01	1	0.0007	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Sodium, Dissolved	300		1	1	0.5148	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Sodium, Total	270		1	1	0.5148	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Thallium, Dissolved	0.02	U	0.02	1	0.0026	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Thallium, Total	0.02	U	0.02	1	0.0026	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Vanadium, Dissolved	0.01	U	0.01	1	0.0009	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Vanadium, Total	0.01	U	0.01	1	0.0009	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Zinc, Dissolved	0.05	U	0.05	1	0.0007	mg/l
3-GW37S-01	4/2/2003	L0302959-02	6010B	Zinc, Total	0.05	U	0.05	1	0.0007	mg/l
3-GW37S-01	4/2/2003	L0302959-02	7470A	Mercury, Dissolved	0.0002	U	0.0002	1	0.000012	mg/l
3-GW37S-01	4/2/2003	L0302959-02	7470A	Mercury, Total	0.0002	U	0.0002	1	0.000012	mg/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	1,2,4-Trichlorobenzene	5	U	5	1	0.743	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	1,2-Dichlorobenzene	5	U	5	1	1.02	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	1,3-Dichlorobenzene	5	U	5	1	1.05	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	1,4-Dichlorobenzene	5	U	5	1	1.06	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	2,4,5-Trichlorophenol	5	U	5	1	2.05	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	2,4,6-Tribromophenol	84			1		%
3-GW37S-01	4/2/2003	L0302959-02	8270C	2,4,6-Trichlorophenol	5	U	5	1	2.14	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	2,4-Dichlorophenol	10	U	10	1	2.24	ug/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
3-GW37S-01	4/2/2003	L0302959-02	8270C	2,4-Dimethylphenol	10	U	10	1	2.59	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	2,4-Dinitrophenol	20	U	20	1	2.33	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	2,4-Dinitrotoluene	6	U	6	1	1.45	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	2,6-Dinitrotoluene	5	U	5	1	1.46	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	2-Chlorophenol	6	U	6	1	2.72	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	2-Fluorobiphenyl	73			1		%
3-GW37S-01	4/2/2003	L0302959-02	8270C	2-Fluorophenol	43			1		%
3-GW37S-01	4/2/2003	L0302959-02	8270C	2-Methylphenol	6	U	6	1	1.97	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	2-Nitroaniline	5	U	5	1	1.08	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	2-Nitrophenol	20	U	20	1	2.9	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	3,3'-Dichlorobenzidine	50	UJ	50	1	3.18	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	3-Methylphenol/4-Methylphenol	6	U	6	1	1.9	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	3-Nitroaniline	5	UJ	5	1	3.72	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	4,6-Dinitro-o-cresol	20	U	20	1	2.3	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	4-Bromophenyl phenyl ether	5	U	5	1	1.06	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	4-Chloroaniline	5	UJ	5	1	3.15	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	4-Chlorophenyl phenyl ether	5	U	5	1	0.86	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	4-Nitroaniline	7	UJ	7	1	2.67	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	4-Nitrophenol	10	U	10	1	1.94	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	4-Terphenyl-d14	90			1		%
3-GW37S-01	4/2/2003	L0302959-02	8270C	Bis(2-chloroethoxy)methane	5	U	5	1	1.15	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	Bis(2-chloroethyl)ether	5	U	5	1	1.34	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	Bis(2-chloroisopropyl)ether	5	U	5	1	2.3	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	Bis(2-ethylhexyl)phthalate	5	U	5	1	1.5	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	Butyl benzyl phthalate	5	U	5	1	0.78	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	Carbazole	2	U	2	1	1.59	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	Dibenzofuran	5	U	5	1	2.49	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	Diethyl phthalate	5	U	5	1	1.24	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	Dimethyl phthalate	5	U	5	1	1.26	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	Di-n-butylphthalate	5	U	5	1	1.32	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	Di-n-octylphthalate	5	U	5	1	1.47	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	Hexachlorobenzene	5	U	5	1	1.21	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	Hexachlorobutadiene	10	U	10	1	0.63	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	Hexachlorocyclopentadiene	10	UJ	10	1	0.45	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	Hexachloroethane	5	U	5	1	0.67	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	Isophorone	5	U	5	1	0.8	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	NDPA/DPA	15	U	15	1	1.47	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	Nitrobenzene	5	U	5	1	0.69	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	Nitrobenzene-d5	76			1		%
3-GW37S-01	4/2/2003	L0302959-02	8270C	n-Nitrosodi-n-propylamine	5	U	5	1	0.64	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	p-Chloro-m-cresol	5	U	5	1	1.52	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	Pentachlorophenol	20	U	20	1	2.44	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
3-GW37S-01	4/2/2003	L0302959-02	8270C	Phenol	7	U	7	1	1.11	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C	Phenol-d6	28			1		%
3-GW37S-01	4/2/2003	L0302959-02	8270C-M	2-Chloronaphthalene	0.1	U	0.1	1	0.1	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C-M	2-Fluorobiphenyl	69			1		%
3-GW37S-01	4/2/2003	L0302959-02	8270C-M	2-Methylnaphthalene	0.2	U	0.2	1	0.2	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C-M	4-Terphenyl-d14	77			1		%
3-GW37S-01	4/2/2003	L0302959-02	8270C-M	Acenaphthene	0.1	U	0.1	1	0.1	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C-M	Acenaphthylene	0.1	U	0.1	1	0.1	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C-M	Anthracene	0.1	U	0.1	1	0.1	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C-M	Benzo(a)anthracene	0.1	U	0.1	1	0.1	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C-M	Benzo(a)pyrene	0.1	U	0.1	1	0.1	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C-M	Benzo(b)fluoranthene	0.1	U	0.1	1	0.1	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C-M	Benzo(ghi)perylene	0.1	U	0.1	1	0.1	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C-M	Benzo(k)fluoranthene	0.1	U	0.1	1	0.1	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C-M	Chrysene	0.1	U	0.1	1	0.1	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C-M	Dibenzo(a,h)anthracene	0.1	U	0.1	1	0.1	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C-M	Fluoranthene	0.1	U	0.1	1	0.1	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C-M	Fluorene	0.1	U	0.1	1	0.1	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C-M	Indeno(1,2,3-cd)Pyrene	0.1	U	0.1	1	0.1	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C-M	Naphthalene	0.1	U	0.1	1	0.1	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C-M	Nitrobenzene-d5	67			1		%
3-GW37S-01	4/2/2003	L0302959-02	8270C-M	Phenanthrene	0.1	U	0.1	1	0.1	ug/l
3-GW37S-01	4/2/2003	L0302959-02	8270C-M	Pyrene	0.1	U	0.1	1	0.1	ug/l
4MW1S	4/15/2003	L0303389-01	9038	Sulfate	26		10	1	10	mg/l
4MW1S	4/15/2003	L0303389-01	2320B	Alkalinity, Total	16		2	1	2	mg CaCO3/L
4MW1S	4/15/2003	L0303389-01	2340B	Hardness	70		1.7	1	0.66	mg CaCO3/L
4MW1S	4/15/2003	L0303389-01	9251	Chloride	71		1	1	1	mg/l
4MW1S	4/15/2003	L0303389-01	9060	Total Organic Carbon	1.2		0.5	1	0.5	mg/l
4MW1S	4/15/2003	L0303389-01	8270C	1,2,4-Trichlorobenzene	5	UJ	5	1	0.743	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	Hexachlorobenzene	5	UJ	5	1	1.21	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	Bis(2-chloroethyl)ether	5	UJ	5	1	1.34	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	1,2-Dichlorobenzene	5	UJ	5	1	1.02	ug/l
4MW1S	4/15/2003	L0303389-01	6010B	Barium, Dissolved	0.05		0.01	1	0.0002	mg/l
4MW1S	4/15/2003	L0303389-01	8270C	1,3-Dichlorobenzene	5	UJ	5	1	1.05	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	1,4-Dichlorobenzene	5	UJ	5	1	1.06	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	3,3'-Dichlorobenzidine	50	UJ	50	1	3.18	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	2,4-Dinitrotoluene	6	UJ	6	1	1.45	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	2,6-Dinitrotoluene	5	UJ	5	1	1.46	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	4-Chlorophenyl phenyl ether	5	UJ	5	1	0.86	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	4-Bromophenyl phenyl ether	5	UJ	5	1	1.06	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	Bis(2-chloroisopropyl)ether	5	UJ	5	1	2.3	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	Bis(2-chloroethoxy)methane	5	UJ	5	1	1.15	ug/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
4MW1S	4/15/2003	L0303389-01	8270C	Hexachlorobutadiene	10	UJ	10	1	0.63	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	Hexachlorocyclopentadiene	10	UJ	10	1	0.45	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	Hexachloroethane	5	UJ	5	1	0.67	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	Isophorone	5	UJ	5	1	0.8	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	Nitrobenzene	5	UJ	5	1	0.69	ug/l
4MW1S	4/15/2003	L0303389-01	6010B	Calcium, Dissolved	23		0.5	1	0.0013	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Magnesium, Dissolved	3.1		0.5	1	0.0045	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Potassium, Dissolved	3.7		2	1	0.2702	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Sodium, Dissolved	40		1	1	0.5148	mg/l
4MW1S	4/15/2003	L0303389-01	8270C	NDPA/DPA	15	UJ	15	1	1.47	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	n-Nitrosodi-n-propylamine	5	UJ	5	1	0.64	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	Butyl benzyl phthalate	5	UJ	5	1	0.78	ug/l
4MW1S	4/15/2003	L0303389-01	6010B	Barium, Total	0.05		0.01	1	0.0002	mg/l
4MW1S	4/15/2003	L0303389-01	8270C	Di-n-butylphthalate	5	UJ	5	1	1.32	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	Di-n-octylphthalate	5	UJ	5	1	1.47	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	Diethyl phthalate	5	UJ	5	1	1.24	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	Dimethyl phthalate	5	UJ	5	1	1.26	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	4-Chloroaniline	5	UJ	5	1	3.15	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	2-Nitroaniline	5	UJ	5	1	1.08	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	3-Nitroaniline	5	UJ	5	1	3.72	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	4-Nitroaniline	7	UJ	7	1	2.67	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	Dibenzofuran	5	UJ	5	1	2.49	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	2,4,6-Trichlorophenol	5	UJ	5	1	2.14	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	p-Chloro-m-cresol	5	UJ	5	1	1.52	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	2-Chlorophenol	6	UJ	6	1	2.72	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	2,4-Dichlorophenol	10	UJ	10	1	2.24	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	2,4-Dimethylphenol	10	UJ	10	1	2.59	ug/l
4MW1S	4/15/2003	L0303389-01	6010B	Calcium, Total	23		0.5	1	0.0013	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Magnesium, Total	3.1		0.5	1	0.0045	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Potassium, Total	3.4		2	1	0.2702	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Sodium, Total	39		1	1	0.5148	mg/l
4MW1S	4/15/2003	L0303389-01	2540C	Solids, Total Dissolved	230		10	1	10	mg/l
4MW1S	4/15/2003	L0303389-01	8270C-M	Acenaphthene	0.1	U	0.1	1	0.1	ug/l
4MW1S	4/15/2003	L0303389-01	8270C-M	2-Chloronaphthalene	0.1	UJ	0.1	1	0.1	ug/l
4MW1S	4/15/2003	L0303389-01	8270C-M	Fluoranthene	0.1	U	0.1	1	0.1	ug/l
4MW1S	4/15/2003	L0303389-01	8270C-M	Naphthalene	0.1	U	0.1	1	0.1	ug/l
4MW1S	4/15/2003	L0303389-01	8270C-M	Benzo(a)anthracene	0.1	U	0.1	1	0.1	ug/l
4MW1S	4/15/2003	L0303389-01	8270C-M	Benzo(a)pyrene	0.1	U	0.1	1	0.1	ug/l
4MW1S	4/15/2003	L0303389-01	8270C-M	Benzo(b)fluoranthene	0.1	U	0.1	1	0.1	ug/l
4MW1S	4/15/2003	L0303389-01	8270C-M	Benzo(k)fluoranthene	0.1	U	0.1	1	0.1	ug/l
4MW1S	4/15/2003	L0303389-01	8270C-M	Chrysene	0.1	U	0.1	1	0.1	ug/l
4MW1S	4/15/2003	L0303389-01	8270C-M	Acenaphthylene	0.1	U	0.1	1	0.1	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
4MW1S	4/15/2003	L0303389-01	8270C-M	Anthracene	0.1	U	0.1	1	0.1	ug/l
4MW1S	4/15/2003	L0303389-01	8270C-M	Benzo(ghi)perylene	0.1	U	0.1	1	0.1	ug/l
4MW1S	4/15/2003	L0303389-01	8270C-M	Fluorene	0.1	U	0.1	1	0.1	ug/l
4MW1S	4/15/2003	L0303389-01	8270C-M	Phenanthrene	0.1	U	0.1	1	0.1	ug/l
4MW1S	4/15/2003	L0303389-01	8270C-M	Dibenzo(a,h)anthracene	0.1	U	0.1	1	0.1	ug/l
4MW1S	4/15/2003	L0303389-01	8270C-M	Indeno(1,2,3-cd)Pyrene	0.1	U	0.1	1	0.1	ug/l
4MW1S	4/15/2003	L0303389-01	8270C-M	Pyrene	0.1	U	0.1	1	0.1	ug/l
4MW1S	4/15/2003	L0303389-01	8270C-M	2-Methylnaphthalene	0.2	U	0.2	1	0.2	ug/l
4MW1S	4/15/2003	L0303389-01	8270C-M	Nitrobenzene-d5	56			1		%
4MW1S	4/15/2003	L0303389-01	8270C-M	2-Fluorobiphenyl	56			1		%
4MW1S	4/15/2003	L0303389-01	8270C-M	4-Terphenyl-d14	92			1		%
4MW1S	4/15/2003	L0303389-01	8270C	2-Nitrophenol	20	UJ	20	1	2.9	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	4-Nitrophenol	10	UJ	10	1	1.94	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	2,4-Dinitrophenol	20	UJ	20	1	2.33	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	4,6-Dinitro-o-cresol	20	UJ	20	1	2.3	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	Pentachlorophenol	20	UJ	20	1	2.44	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	Phenol	7	UJ	7	1	1.11	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	2-Methylphenol	6	UJ	6	1	1.97	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	3-Methylphenol/4-Methylphenol	6	UJ	6	1	1.9	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	2,4,5-Trichlorophenol	5	UJ	5	1	2.05	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	Carbazole	2	UJ	2	1	1.59	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	Bis(2-ethylhexyl)phthalate	10	U	5	1	1.5	ug/l
4MW1S	4/15/2003	L0303389-01	8270C	2-Fluorophenol	27			1		%
4MW1S	4/15/2003	L0303389-01	8270C	Phenol-d6	18			1		%
4MW1S	4/15/2003	L0303389-01	8270C	Nitrobenzene-d5	51			1		%
4MW1S	4/15/2003	L0303389-01	8270C	2-Fluorobiphenyl	48			1		%
4MW1S	4/15/2003	L0303389-01	8270C	2,4,6-Tribromophenol	25			1		%
4MW1S	4/15/2003	L0303389-01	8270C	4-Terphenyl-d14	77			1		%
4MW1S	4/15/2003	L0303389-01	5220D	Chemical Oxygen Demand	20	U	20	1	20	mg/l
4MW1S	4/15/2003	L0303389-01	2540D	Solids, Total Suspended	5	U	5	1	5	mg/l
4MW1S	4/15/2003	L0303389-01	7470A	Mercury, Total	0.0002	U	0.0002	1	0.000012	mg/l
4MW1S	4/15/2003	L0303389-01	7470A	Mercury, Dissolved	0.0002	U	0.0002	1	0.000012	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Aluminum, Dissolved	0.1	U	0.1	1	0.0192	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Antimony, Dissolved	0.05	U	0.05	1	0.0023	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Arsenic, Dissolved	0.004	U	0.004	1	0.002	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Beryllium, Dissolved	0.004	U	0.004	1	0.0008	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Cadmium, Dissolved	0.005	U	0.005	1	0.0002	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Chromium, Dissolved	0.01	U	0.01	1	0.0006	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Cobalt, Dissolved	0.02	U	0.02	1	0.0005	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Copper, Dissolved	0.01	U	0.01	1	0.0012	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Iron, Dissolved	0.05	U	0.05	1	0.027	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Lead, Dissolved	0.01	U	0.01	1	0.0011	mg/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
4MW1S	4/15/2003	L0303389-01	6010B	Manganese, Dissolved	0.01	U	0.01	1	0.0002	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Nickel, Dissolved	0.025	U	0.025	1	0.0009	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Selenium, Dissolved	0.01	U	0.01	1	0.0018	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Silver, Dissolved	0.01	U	0.01	1	0.0007	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Thallium, Dissolved	0.02	U	0.02	1	0.0026	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Vanadium, Dissolved	0.01	U	0.01	1	0.0009	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Zinc, Dissolved	0.05	U	0.05	1	0.0007	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Aluminum, Total	0.1	U	0.1	1	0.0192	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Antimony, Total	0.05	U	0.05	1	0.0023	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Arsenic, Total	0.004	U	0.004	1	0.002	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Beryllium, Total	0.004	U	0.004	1	0.0008	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Cadmium, Total	0.005	U	0.005	1	0.0002	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Chromium, Total	0.01	U	0.01	1	0.0006	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Cobalt, Total	0.02	U	0.02	1	0.0005	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Copper, Total	0.01	U	0.01	1	0.0012	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Iron, Total	0.05	U	0.05	1	0.027	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Lead, Total	0.01	U	0.01	1	0.0011	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Manganese, Total	0.01	U	0.01	1	0.0002	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Nickel, Total	0.025	U	0.025	1	0.0009	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Selenium, Total	0.01	U	0.01	1	0.0018	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Silver, Total	0.01	U	0.01	1	0.0007	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Thallium, Total	0.02	U	0.02	1	0.0026	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Vanadium, Total	0.01	U	0.01	1	0.0009	mg/l
4MW1S	4/15/2003	L0303389-01	6010B	Zinc, Total	0.05	U	0.05	1	0.0007	mg/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW12D-03	20-Aug-03	L0308385-04	9038	SULFATE	77	J	50	1	6.4	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	9060	TOTAL ORGANIC CARBON	4.6	J	1	1	0.086	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	9251	CHLORIDE	830	J	20	1	0.35	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	2320B	ALKALINITY, TOTAL	200	J	2	1	0.4	mg CaCO3/L
2-GW12D-03	20-Aug-03	L0308385-04	2540C	SOLIDS, TOTAL DISSOLVED	1700	J	20	1	5.7	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	2540D	SOLIDS, TOTAL SUSPENDED	14	J	5	1	5	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	5220D	CHEMICAL OXYGEN DEMAND	36	J	20	1	4.2	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	ALUMINUM, DISSOLVED		UJ	0.1	1	0.017	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	ALUMINUM, TOTAL	0.048	J	0.1	1	0.017	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	ANTIMONY, DISSOLVED		UJ	0.05	1	0.002	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	ANTIMONY, TOTAL		UJ	0.05	1	0.002	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	ARSENIC, DISSOLVED		UJ	0.004	1	0.0034	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	ARSENIC, TOTAL		UJ	0.004	1	0.0034	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	BARIUM, DISSOLVED	0.07	J	0.01	1	0.0004	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	BARIUM, TOTAL	0.07	J	0.01	1	0.0004	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	BERYLLIUM, DISSOLVED		UJ	0.002	1	0.0006	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	BERYLLIUM, TOTAL		UJ	0.002	1	0.0006	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	CADMIUM, DISSOLVED		UJ	0.002	1	0.0004	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	CADMIUM, TOTAL		UJ	0.002	1	0.0004	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	CALCIUM, DISSOLVED	59	J	0.1	1	0.0099	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	CALCIUM, TOTAL	58	J	0.1	1	0.0099	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	CHROMIUM, DISSOLVED		UJ	0.01	1	0.0008	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	CHROMIUM, TOTAL		UJ	0.01	1	0.0008	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	COBALT, DISSOLVED	0.012	J	0.02	1	0.0005	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	COBALT, TOTAL	0.012	J	0.02	1	0.0005	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	COPPER, DISSOLVED		UJ	0.01	1	0.0018	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	COPPER, TOTAL	0.0025	J	0.01	1	0.0018	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	HARDNESS	350	J	1.7	1	0.056	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	IRON, DISSOLVED	13	J	0.05	1	0.014	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	IRON, TOTAL	14	J	0.05	1	0.014	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	LEAD, DISSOLVED		UJ	0.005	1	0.0048	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	LEAD, TOTAL		UJ	0.005	1	0.0048	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	MAGNESIUM, DISSOLVED	52	J	0.1	1	0.0075	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	MAGNESIUM, TOTAL	50	J	0.1	1	0.0075	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	MANGANESE, DISSOLVED	5.6	J	0.01	1	0.0005	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	MANGANESE, TOTAL	5.4	J	0.01	1	0.0005	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	MOLYBDENUM, DISSOLVED		UJ	0.05	1	0.0013	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	MOLYBDENUM, TOTAL		UJ	0.05	1	0.0013	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	NICKEL, DISSOLVED	0.00343	J	0.025	1	0.0018	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	NICKEL, TOTAL	0.00311	J	0.025	1	0.0018	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	POTASSIUM, DISSOLVED	19	J	5	1	0.1	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	POTASSIUM, TOTAL	17	J	5	1	0.1	mg/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW12D-03	20-Aug-03	L0308385-04	6010B	SELENIUM, DISSOLVED		UJ	0.01	1	0.0025	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	SELENIUM, TOTAL		UJ	0.01	1	0.0025	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	SILVER, DISSOLVED	0.00074	U	0.007	1	0.0007	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	SILVER, TOTAL	0.00144	U	0.007	1	0.0007	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	SODIUM, DISSOLVED	480	J	5	1	0.055	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	SODIUM, TOTAL	450	J	5	1	0.055	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	THALLIUM, DISSOLVED		UJ	0.01	1	0.0035	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	THALLIUM, TOTAL		UJ	0.01	1	0.0035	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	VANADIUM, DISSOLVED		UJ	0.01	1	0.0008	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	VANADIUM, TOTAL		UJ	0.01	1	0.0008	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	ZINC, DISSOLVED	0.0044	U	0.05	1	0.0022	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	6010B	ZINC, TOTAL	0.0036	U	0.05	1	0.0022	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	7470A	MERCURY, DISSOLVED		UJ	0.0002	1	0.000012	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	7470A	MERCURY, TOTAL		UJ	0.0002	1	0.000012	mg/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	1,2,4-TRICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	1,2-DICHLOROBENZENE		UJ	5	1	1.3	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	1,3-DICHLOROBENZENE		UJ	5	1	1.1	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	1,4-DICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	2,4,5-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	2,4,6-TRIBROMOPHENOL	67		0	1		%
2-GW12D-03	20-Aug-03	L0308385-04	8270C	2,4,6-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	2,4-DICHLOROPHENOL		UJ	10	1	3.2	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	2,4-DIMETHYLPHENOL		UJ	10	1	3.5	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	2,4-DINITROPHENOL		UJ	20	1	2.3	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	2,4-DINITROTOLUENE		UJ	6	1	1.4	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	2,6-DINITROTOLUENE		UJ	5	1	1.5	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	2-CHLOROPHENOL		UJ	6	1	3.2	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	2-FLUOROBIPHENYL	67		0	1		%
2-GW12D-03	20-Aug-03	L0308385-04	8270C	2-FLUOROPHENOL	31		0	1		%
2-GW12D-03	20-Aug-03	L0308385-04	8270C	2-METHYLPHENOL		UJ	6	1	3.1	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	2-NITROANILINE		UJ	5	1	3.5	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	2-NITROPHENOL		UJ	20	1	3	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	3,3'-DICHLOROBENZIDINE		UJ	50	1	5.2	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	3-METHYLPHENOL/4-METHYLPHENOL		UJ	6	1	2.8	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	3-NITROANILINE		UJ	5	1	3.7	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	4,6-DINITRO-O-CRESOL		UJ	20	1	2.3	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	4-BROMOPHENYL PHENYL ETHER		UJ	5	1	1.7	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	4-CHLOROANILINE		UJ	5	1	4.6	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	4-CHLOROPHENYL PHENYL ETHER		UJ	5	1	1.5	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	4-NITROANILINE		UJ	7	1	2.7	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	4-NITROPHENOL		UJ	10	1	1.9	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	4-TERPHENYL-D14	102		0	1		%

DATA SUMMARY TABLE
ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW12D-03	20-Aug-03	L0308385-04	8270C	BIS(2-CHLOROETHOXY)METHANE		UJ	5	1	1.7	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	BIS(2-CHLOROETHYL)ETHER		UJ	5	1	1.8	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	BIS(2-CHLOROISOPROPYL)ETHER		UJ	5	1	2.3	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	BIS(2-ETHYLHEXYL)PHTHALATE	3.7	J	10	1	2.1	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	BUTYL BENZYL PHTHALATE		UJ	5	1	2.2	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	CARBAZOLE		UJ	5	1	1.8	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	DIBENZOFURAN		UJ	5	1	3	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	DIETHYL PHTHALATE		UJ	5	1	4.9	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	DIMETHYL PHTHALATE		UJ	5	1	1.6	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	DI-N-BUTYLPHTHALATE		UJ	5	1	1.9	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	DI-N-OCTYLPHTHALATE		UJ	5	1	1.8	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	HEXACHLOROBENZENE		UJ	5	1	1.6	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	HEXACHLOROBUTADIENE		UJ	10	1	1.2	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	HEXACHLOROETHANE		UJ	5	1	1	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	ISOPHORONE		UJ	5	1	1.8	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	NITROBENZENE		UJ	5	1	1.8	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	NITROBENZENE-D5	60		0	1		%
2-GW12D-03	20-Aug-03	L0308385-04	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		UJ	15	1	1.9	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	N-NITROSODI-N-PROPYLAMINE		UJ	5	1	1.8	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	P-CHLORO-M-CRESOL		UJ	5	1	3.3	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	PENTACHLOROPHENOL		UJ	20	1	3.1	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	PHENOL		UJ	7	1	1.8	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C	PHENOL-D6	21		0	1		%
2-GW12D-03	20-Aug-03	L0308385-04	8270C-SIM	2-CHLORONAPHTHALENE		UJ	0.2	1	0.083	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C-SIM	2-FLUOROBIPHENYL	65		0	1		%
2-GW12D-03	20-Aug-03	L0308385-04	8270C-SIM	2-METHYLNAPHTHALENE		UJ	0.2	1	0.19	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C-SIM	4-TERPHENYL-D14	100		0	1		%
2-GW12D-03	20-Aug-03	L0308385-04	8270C-SIM	ACENAPHTHENE		UJ	0.2	1	0.094	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C-SIM	ACENAPHTHYLENE		UJ	0.2	1	0.091	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C-SIM	ANTHRACENE		UJ	0.2	1	0.062	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C-SIM	BENZO(A)ANTHRACENE		UJ	0.2	1	0.061	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C-SIM	BENZO(A)PYRENE		UJ	0.2	1	0.085	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C-SIM	BENZO(B)FLUORANTHENE		UJ	0.2	1	0.07	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C-SIM	BENZO(GHI)PERYLENE		UJ	0.25	1	0.24	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	0.2	1	0.1	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C-SIM	CHRYSENE		UJ	0.2	1	0.06	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C-SIM	DIBENZO(A,H)ANTHRACENE		UJ	0.2	1	0.14	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C-SIM	FLUORANTHENE		UJ	0.2	1	0.065	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C-SIM	FLUORENE		UJ	0.2	1	0.12	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C-SIM	INDENO(1,2,3-CD)PYRENE		UJ	0.2	1	0.19	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C-SIM	NAPHTHALENE		UJ	0.2	1	0.1	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C-SIM	NITROBENZENE-D5	68		0	1		%

DATA SUMMARY TABLE
ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW12D-03	20-Aug-03	L0308385-04	8270C-SIM	PHENANTHRENE		UJ	0.2	1	0.088	ug/l
2-GW12D-03	20-Aug-03	L0308385-04	8270C-SIM	PYRENE		UJ	0.2	1	0.068	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	9038	SULFATE	34	J	10	1	1.3	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	9060	TOTAL ORGANIC CARBON	1.4	J	0.5	1	0.043	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	9251	CHLORIDE	28	J	1	1	0.35	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	2320B	ALKALINITY, TOTAL	27	J	2	1	0.4	mg CaCO3/L
2-GW1S-03	21-Aug-03	L0308385-07	2540C	SOLIDS, TOTAL DISSOLVED	160	J	10	1	2.8	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	2540D	SOLIDS, TOTAL SUSPENDED		U	5	1	5	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	5220D	CHEMICAL OXYGEN DEMAND		UJ	20	1	4.2	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	ALUMINUM, DISSOLVED	0.024	J	0.1	1	0.017	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	ALUMINUM, TOTAL	0.025	J	0.1	1	0.017	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	ANTIMONY, DISSOLVED		UJ	0.05	1	0.002	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	ANTIMONY, TOTAL		UJ	0.05	1	0.002	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	ARSENIC, DISSOLVED		UJ	0.004	1	0.0034	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	ARSENIC, TOTAL		UJ	0.004	1	0.0034	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	BARIUM, DISSOLVED	0.03	J	0.01	1	0.0004	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	BARIUM, TOTAL	0.03	J	0.01	1	0.0004	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	BERYLLIUM, DISSOLVED		UJ	0.002	1	0.0006	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	BERYLLIUM, TOTAL		UJ	0.002	1	0.0006	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	CADMIUM, DISSOLVED		UJ	0.002	1	0.0004	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	CADMIUM, TOTAL		UJ	0.002	1	0.0004	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	CALCIUM, DISSOLVED	18	J	0.1	1	0.0099	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	CALCIUM, TOTAL	18	J	0.1	1	0.0099	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	CHROMIUM, DISSOLVED		UJ	0.01	1	0.0008	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	CHROMIUM, TOTAL		UJ	0.01	1	0.0008	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	COBALT, DISSOLVED		UJ	0.02	1	0.0005	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	COBALT, TOTAL		UJ	0.02	1	0.0005	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	COPPER, DISSOLVED		UJ	0.01	1	0.0018	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	COPPER, TOTAL		UJ	0.01	1	0.0018	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	HARDNESS	57	J	1.7	1	0.056	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	IRON, DISSOLVED		UJ	0.05	1	0.014	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	IRON, TOTAL		UJ	0.05	1	0.014	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	LEAD, DISSOLVED		UJ	0.005	1	0.0048	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	LEAD, TOTAL		UJ	0.005	1	0.0048	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	MAGNESIUM, DISSOLVED	2.6	J	0.1	1	0.0075	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	MAGNESIUM, TOTAL	2.6	J	0.1	1	0.0075	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	MANGANESE, DISSOLVED	0.01	J	0.01	1	0.0005	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	MANGANESE, TOTAL	0.01	J	0.01	1	0.0005	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	MOLYBDENUM, DISSOLVED		UJ	0.05	1	0.0013	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	MOLYBDENUM, TOTAL		UJ	0.05	1	0.0013	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	NICKEL, DISSOLVED		UJ	0.025	1	0.0018	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	NICKEL, TOTAL		UJ	0.025	1	0.0018	mg/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW1S-03	21-Aug-03	L0308385-07	6010B	POTASSIUM, DISSOLVED	3.9	U	1	1	0.1	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	POTASSIUM, TOTAL	4.2	J	1	1	0.1	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	SELENIUM, DISSOLVED		UJ	0.01	1	0.0025	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	SELENIUM, TOTAL		UJ	0.01	1	0.0025	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	SILVER, DISSOLVED		UJ	0.007	1	0.0007	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	SILVER, TOTAL		UJ	0.007	1	0.0007	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	SODIUM, DISSOLVED	26	J	1	1	0.055	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	SODIUM, TOTAL	27	J	1	1	0.055	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	THALLIUM, DISSOLVED		UJ	0.01	1	0.0035	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	THALLIUM, TOTAL		UJ	0.01	1	0.0035	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	VANADIUM, DISSOLVED		UJ	0.01	1	0.0008	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	VANADIUM, TOTAL		UJ	0.01	1	0.0008	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	ZINC, DISSOLVED	0.0061	U	0.05	1	0.0022	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	6010B	ZINC, TOTAL	0.0042	U	0.05	1	0.0022	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	7470A	MERCURY, DISSOLVED		UJ	0.0002	1	0.000012	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	7470A	MERCURY, TOTAL		UJ	0.0002	1	0.000012	mg/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	1,2,4-TRICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	1,2-DICHLOROBENZENE		UJ	5	1	1.3	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	1,3-DICHLOROBENZENE		UJ	5	1	1.1	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	1,4-DICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	2,4,5-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	2,4,6-TRIBROMOPHENOL	63		0	1		%
2-GW1S-03	21-Aug-03	L0308385-07	8270C	2,4,6-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	2,4-DICHLOROPHENOL		UJ	10	1	3.2	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	2,4-DIMETHYLPHENOL		UJ	10	1	3.5	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	2,4-DINITROPHENOL		UJ	20	1	2.3	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	2,4-DINITROTOLUENE		UJ	6	1	1.4	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	2,6-DINITROTOLUENE		UJ	5	1	1.5	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	2-CHLOROPHENOL		UJ	6	1	3.2	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	2-FLUOROBIPHENYL	72		0	1		%
2-GW1S-03	21-Aug-03	L0308385-07	8270C	2-FLUOROPHENOL	33		0	1		%
2-GW1S-03	21-Aug-03	L0308385-07	8270C	2-METHYLPHENOL		UJ	6	1	3.1	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	2-NITROANILINE		UJ	5	1	3.5	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	2-NITROPHENOL		UJ	20	1	3	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	3,3'-DICHLOROBENZIDINE		UJ	50	1	5.2	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	3-METHYLPHENOL/4-METHYLPHENOL		UJ	6	1	2.8	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	3-NITROANILINE		UJ	5	1	3.7	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	4,6-DINITRO-O-CRESOL		UJ	20	1	2.3	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	4-BROMOPHENYL PHENYL ETHER		UJ	5	1	1.7	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	4-CHLOROANILINE		UJ	5	1	4.6	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	4-CHLOROPHENYL PHENYL ETHER		UJ	5	1	1.5	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	4-NITROANILINE		UJ	7	1	2.7	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW1S-03	21-Aug-03	L0308385-07	8270C	4-NITROPHENOL		UJ	10	1	1.9	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	4-TERPHENYL-D14	98		0	1		%
2-GW1S-03	21-Aug-03	L0308385-07	8270C	BIS(2-CHLOROETHOXY)METHANE		UJ	5	1	1.7	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	BIS(2-CHLOROETHYL)ETHER		UJ	5	1	1.8	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	BIS(2-CHLOROISOPROPYL)ETHER		UJ	5	1	2.3	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	BIS(2-ETHYLHEXYL)PHTHALATE	3.6	J	10	1	2.1	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	BUTYL BENZYL PHTHALATE		UJ	5	1	2.2	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	CARBAZOLE		UJ	5	1	1.8	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	DIBENZOFURAN		UJ	5	1	3	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	DIETHYL PHTHALATE		UJ	5	1	4.9	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	DIMETHYL PHTHALATE		UJ	5	1	1.6	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	DI-N-BUTYLPHTHALATE		UJ	5	1	1.9	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	DI-N-OCTYLPHTHALATE		UJ	5	1	1.8	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	HEXACHLOROBENZENE		UJ	5	1	1.6	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	HEXACHLOROBUTADIENE		UJ	10	1	1.2	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	HEXACHLOROETHANE		UJ	5	1	1	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	ISOPHORONE		UJ	5	1	1.8	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	NITROBENZENE		UJ	5	1	1.8	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	NITROBENZENE-D5	65		0	1		%
2-GW1S-03	21-Aug-03	L0308385-07	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		UJ	15	1	1.9	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	N-NITROSODI-N-PROPYLAMINE		UJ	5	1	1.8	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	P-CHLORO-M-CRESOL		UJ	5	1	3.3	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	PENTACHLOROPHENOL		UJ	20	1	3.1	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	PHENOL		UJ	7	1	1.8	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C	PHENOL-D6	23		0	1		%
2-GW1S-03	21-Aug-03	L0308385-07	8270C-SIM	2-CHLORONAPHTHALENE		UJ	0.2	1	0.083	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C-SIM	2-FLUOROBIPHENYL	68		0	1		%
2-GW1S-03	21-Aug-03	L0308385-07	8270C-SIM	2-METHYLNAPHTHALENE		UJ	0.2	1	0.19	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C-SIM	4-TERPHENYL-D14	87		0	1		%
2-GW1S-03	21-Aug-03	L0308385-07	8270C-SIM	ACENAPHTHENE		UJ	0.2	1	0.094	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C-SIM	ACENAPHTHYLENE		UJ	0.2	1	0.091	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C-SIM	ANTHRACENE		UJ	0.2	1	0.062	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C-SIM	BENZO(A)ANTHRACENE		UJ	0.2	1	0.061	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C-SIM	BENZO(A)PYRENE		UJ	0.2	1	0.085	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C-SIM	BENZO(B)FLUORANTHENE		UJ	0.2	1	0.07	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C-SIM	BENZO(GHI)PERYLENE		UJ	0.25	1	0.24	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	0.2	1	0.1	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C-SIM	CHRYSENE		UJ	0.2	1	0.06	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C-SIM	DIBENZO(A,H)ANTHRACENE		UJ	0.2	1	0.14	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C-SIM	FLUORANTHENE		UJ	0.2	1	0.065	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C-SIM	FLUORENE		UJ	0.2	1	0.12	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C-SIM	INDENO(1,2,3-CD)PYRENE		UJ	0.2	1	0.19	ug/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW1S-03	21-Aug-03	L0308385-07	8270C-SIM	NAPHTHALENE		UJ	0.2	1	0.1	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C-SIM	NITROBENZENE-D5	73		0	1		%
2-GW1S-03	21-Aug-03	L0308385-07	8270C-SIM	PHENANTHRENE		UJ	0.2	1	0.088	ug/l
2-GW1S-03	21-Aug-03	L0308385-07	8270C-SIM	PYRENE		UJ	0.2	1	0.068	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	9038	SULFATE	13	J	10	1	1.3	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	9060	TOTAL ORGANIC CARBON	3.6	J	0.5	1	0.043	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	9251	CHLORIDE	110	J	10	1	0.35	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	2320B	ALKALINITY, TOTAL	58	J	2	1	0.4	mg CaCO3/L
2-GW20S-03	21-Aug-03	L0308385-11	2540C	SOLIDS, TOTAL DISSOLVED	300	J	20	1	5.7	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	2540D	SOLIDS, TOTAL SUSPENDED		U	5	1	5	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	5220D	CHEMICAL OXYGEN DEMAND	13	J	20	1	4.2	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	ALUMINUM, DISSOLVED	0.071	J	0.1	1	0.017	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	ALUMINUM, TOTAL	0.074	J	0.1	1	0.017	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	ANTIMONY, DISSOLVED		UJ	0.05	1	0.002	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	ANTIMONY, TOTAL		UJ	0.05	1	0.002	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	ARSENIC, DISSOLVED		UJ	0.004	1	0.0034	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	ARSENIC, TOTAL		UJ	0.004	1	0.0034	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	BARIUM, DISSOLVED	0.04	J	0.01	1	0.0004	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	BARIUM, TOTAL	0.04	J	0.01	1	0.0004	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	BERYLLIUM, DISSOLVED		UJ	0.002	1	0.0006	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	BERYLLIUM, TOTAL		UJ	0.002	1	0.0006	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	CADMIUM, DISSOLVED		UJ	0.002	1	0.0004	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	CADMIUM, TOTAL		UJ	0.002	1	0.0004	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	CALCIUM, DISSOLVED	27	J	0.1	1	0.0099	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	CALCIUM, TOTAL	28	J	0.1	1	0.0099	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	CHROMIUM, DISSOLVED		UJ	0.01	1	0.0008	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	CHROMIUM, TOTAL		UJ	0.01	1	0.0008	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	COBALT, DISSOLVED	0.00075	U	0.02	1	0.0005	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	COBALT, TOTAL	0.00071	U	0.02	1	0.0005	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	COPPER, DISSOLVED		UJ	0.01	1	0.0018	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	COPPER, TOTAL		UJ	0.01	1	0.0018	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	HARDNESS	88	J	1.7	1	0.056	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	IRON, DISSOLVED	3.6	J	0.05	1	0.014	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	IRON, TOTAL	3.4	J	0.05	1	0.014	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	LEAD, DISSOLVED		UJ	0.005	1	0.0048	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	LEAD, TOTAL		UJ	0.005	1	0.0048	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	MAGNESIUM, DISSOLVED	4.3	J	0.1	1	0.0075	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	MAGNESIUM, TOTAL	4.4	J	0.1	1	0.0075	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	MANGANESE, DISSOLVED	0.28	J	0.01	1	0.0005	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	MANGANESE, TOTAL	0.29	J	0.01	1	0.0005	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	MOLYBDENUM, DISSOLVED		UJ	0.05	1	0.0013	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	MOLYBDENUM, TOTAL		UJ	0.05	1	0.0013	mg/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW20S-03	21-Aug-03	L0308385-11	6010B	NICKEL, DISSOLVED	0.00334	J	0.025	1	0.0018	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	NICKEL, TOTAL	0.00365	J	0.025	1	0.0018	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	POTASSIUM, DISSOLVED	4.6	J	1	1	0.1	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	POTASSIUM, TOTAL	4.9	J	1	1	0.1	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	SELENIUM, DISSOLVED		UJ	0.01	1	0.0025	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	SELENIUM, TOTAL		UJ	0.01	1	0.0025	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	SILVER, DISSOLVED		UJ	0.007	1	0.0007	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	SILVER, TOTAL		UJ	0.007	1	0.0007	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	SODIUM, DISSOLVED	58	J	1	1	0.055	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	SODIUM, TOTAL	56	J	1	1	0.055	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	THALLIUM, DISSOLVED		UJ	0.01	1	0.0035	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	THALLIUM, TOTAL		UJ	0.01	1	0.0035	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	VANADIUM, DISSOLVED	0.00098	U	0.01	1	0.0008	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	VANADIUM, TOTAL	0.00086	U	0.01	1	0.0008	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	ZINC, DISSOLVED	0.012	J	0.05	1	0.0022	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	6010B	ZINC, TOTAL	0.015	U	0.05	1	0.0022	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	7470A	MERCURY, DISSOLVED		UJ	0.0002	1	0.000012	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	7470A	MERCURY, TOTAL		UJ	0.0002	1	0.000012	mg/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	1,2,4-TRICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	1,2-DICHLOROBENZENE		UJ	5	1	1.3	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	1,3-DICHLOROBENZENE		UJ	5	1	1.1	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	1,4-DICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	2,4,5-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	2,4,6-TRIBROMOPHENOL	65		0	1		%
2-GW20S-03	21-Aug-03	L0308385-11	8270C	2,4,6-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	2,4-DICHLOROPHENOL		UJ	10	1	3.2	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	2,4-DIMETHYLPHENOL		UJ	10	1	3.5	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	2,4-DINITROPHENOL		UJ	20	1	2.3	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	2,4-DINITROTOLUENE		UJ	6	1	1.4	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	2,6-DINITROTOLUENE		UJ	5	1	1.5	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	2-CHLOROPHENOL		UJ	6	1	3.2	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	2-FLUOROBIPHENYL	55		0	1		%
2-GW20S-03	21-Aug-03	L0308385-11	8270C	2-FLUOROPHENOL	25		0	1		%
2-GW20S-03	21-Aug-03	L0308385-11	8270C	2-METHYLPHENOL		UJ	6	1	3.1	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	2-NITROANILINE		UJ	5	1	3.5	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	2-NITROPHENOL		UJ	20	1	3	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	3,3'-DICHLOROBENZIDINE		UJ	50	1	5.2	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	3-METHYLPHENOL/4-METHYLPHENOL		UJ	6	1	2.8	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	3-NITROANILINE		UJ	5	1	3.7	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	4,6-DINITRO-O-CRESOL		UJ	20	1	2.3	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	4-BROMOPHENYL PHENYL ETHER		UJ	5	1	1.7	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	4-CHLOROANILINE		UJ	5	1	4.6	ug/l

DATA SUMMARY TABLE
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AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW20S-03	21-Aug-03	L0308385-11	8270C	4-CHLOROPHENYL PHENYL ETHER		UJ	5	1	1.5	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	4-NITROANILINE		UJ	7	1	2.7	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	4-NITROPHENOL		UJ	10	1	1.9	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	4-TERPHENYL-D14	98		0	1		%
2-GW20S-03	21-Aug-03	L0308385-11	8270C	BIS(2-CHLOROETHOXY)METHANE		UJ	5	1	1.7	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	BIS(2-CHLOROETHYL)ETHER		UJ	5	1	1.8	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	BIS(2-CHLOROISOPROPYL)ETHER		UJ	5	1	2.3	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	BIS(2-ETHYLHEXYL)PHTHALATE	3.6	J	10	1	2.1	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	BUTYL BENZYL PHTHALATE		UJ	5	1	2.2	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	CARBAZOLE		UJ	5	1	1.8	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	DIBENZOFURAN		UJ	5	1	3	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	DIETHYL PHTHALATE		UJ	5	1	4.9	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	DIMETHYL PHTHALATE		UJ	5	1	1.6	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	DI-N-BUTYLPHTHALATE		UJ	5	1	1.9	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	DI-N-OCTYLPHTHALATE		UJ	5	1	1.8	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	HEXACHLOROBENZENE		UJ	5	1	1.6	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	HEXACHLOROBUTADIENE		UJ	10	1	1.2	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	HEXACHLOROETHANE		UJ	5	1	1	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	ISOPHORONE		UJ	5	1	1.8	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	NITROBENZENE		UJ	5	1	1.8	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	NITROBENZENE-D5	49		0	1		%
2-GW20S-03	21-Aug-03	L0308385-11	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		UJ	15	1	1.9	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	N-NITROSODI-N-PROPYLAMINE		UJ	5	1	1.8	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	P-CHLORO-M-CRESOL		UJ	5	1	3.3	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	PENTACHLOROPHENOL		UJ	20	1	3.1	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	PHENOL		UJ	7	1	1.8	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C	PHENOL-D6	18		0	1		%
2-GW20S-03	21-Aug-03	L0308385-11	8270C-SIM	2-CHLORONAPHTHALENE		UJ	0.2	1	0.083	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C-SIM	2-FLUOROBIPHENYL	55		0	1		%
2-GW20S-03	21-Aug-03	L0308385-11	8270C-SIM	2-METHYLNAPHTHALENE		UJ	0.2	1	0.19	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C-SIM	4-TERPHENYL-D14	97		0	1		%
2-GW20S-03	21-Aug-03	L0308385-11	8270C-SIM	ACENAPHTHENE		UJ	0.2	1	0.094	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C-SIM	ACENAPHTHYLENE		UJ	0.2	1	0.091	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C-SIM	ANTHRACENE		UJ	0.2	1	0.062	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C-SIM	BENZO(A)ANTHRACENE		UJ	0.2	1	0.061	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C-SIM	BENZO(A)PYRENE		UJ	0.2	1	0.085	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C-SIM	BENZO(B)FLUORANTHENE		UJ	0.2	1	0.07	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C-SIM	BENZO(GHI)PERYLENE		UJ	0.25	1	0.24	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	0.2	1	0.1	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C-SIM	CHRYSENE		UJ	0.2	1	0.06	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C-SIM	DIBENZO(A,H)ANTHRACENE		UJ	0.2	1	0.14	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C-SIM	FLUORANTHENE		UJ	0.2	1	0.065	ug/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW20S-03	21-Aug-03	L0308385-11	8270C-SIM	FLUORENE		UJ	0.2	1	0.12	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C-SIM	INDENO(1,2,3-CD)PYRENE		UJ	0.2	1	0.19	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C-SIM	NAPHTHALENE		UJ	0.2	1	0.1	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C-SIM	NITROBENZENE-D5	60		0	1		%
2-GW20S-03	21-Aug-03	L0308385-11	8270C-SIM	PHENANTHRENE		UJ	0.2	1	0.088	ug/l
2-GW20S-03	21-Aug-03	L0308385-11	8270C-SIM	PYRENE		UJ	0.2	1	0.068	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	9038	SULFATE		UJ	20	1	2.6	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	9060	TOTAL ORGANIC CARBON	43	J	5	1	0.43	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	9251	CHLORIDE	9500	J	100	1	0.35	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	2320B	ALKALINITY, TOTAL	1700	J	5	1	1	mg CaCO3/L
2-GW21S-03	21-Aug-03	L0308385-08	2540C	SOLIDS, TOTAL DISSOLVED	18000	J	100	1	28	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	2540D	SOLIDS, TOTAL SUSPENDED	48	J	5	1	5	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	5220D	CHEMICAL OXYGEN DEMAND	850	J	20	1	4.2	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	ALUMINUM, DISSOLVED		UJ	0.5	1	0.087	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	ALUMINUM, TOTAL		UJ	0.5	1	0.087	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	ANTIMONY, DISSOLVED		UJ	0.05	1	0.01	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	ANTIMONY, TOTAL		UJ	0.05	1	0.01	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	ARSENIC, DISSOLVED		UJ	0.02	1	0.017	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	ARSENIC, TOTAL		UJ	0.02	1	0.017	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	BARIUM, DISSOLVED	0.15	J	0.05	1	0.002	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	BARIUM, TOTAL	0.13	J	0.05	1	0.002	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	BERYLLIUM, DISSOLVED		UJ	0.01	1	0.003	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	BERYLLIUM, TOTAL		UJ	0.01	1	0.003	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	CADMIUM, DISSOLVED		UJ	0.01	1	0.002	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	CADMIUM, TOTAL		UJ	0.01	1	0.002	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	CALCIUM, DISSOLVED	200	J	0.5	1	0.05	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	CALCIUM, TOTAL	210	J	0.5	1	0.05	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	CHROMIUM, DISSOLVED	0.0065	J	0.05	1	0.004	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	CHROMIUM, TOTAL	0.0055	J	0.05	1	0.004	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	COBALT, DISSOLVED		UJ	0.05	1	0.0025	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	COBALT, TOTAL		UJ	0.05	1	0.0025	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	COPPER, DISSOLVED		UJ	0.05	1	0.009	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	COPPER, TOTAL		UJ	0.05	1	0.009	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	HARDNESS	3300	J	8.3	1	0.28	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	IRON, DISSOLVED	19	J	0.25	1	0.072	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	IRON, TOTAL	7.8	J	0.25	1	0.072	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	LEAD, DISSOLVED		UJ	0.025	1	0.024	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	LEAD, TOTAL		UJ	0.025	1	0.024	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	MAGNESIUM, DISSOLVED	610	J	0.5	1	0.038	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	MAGNESIUM, TOTAL	690	J	0.5	1	0.038	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	MANGANESE, DISSOLVED	0.4	J	0.05	1	0.0025	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	MANGANESE, TOTAL	0.23	J	0.05	1	0.0025	mg/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW21S-03	21-Aug-03	L0308385-08	6010B	MOLYBDENUM, DISSOLVED		UJ	0.05	1	0.0065	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	MOLYBDENUM, TOTAL		UJ	0.05	1	0.0065	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	NICKEL, DISSOLVED		UJ	0.05	1	0.009	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	NICKEL, TOTAL		UJ	0.05	1	0.009	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	POTASSIUM, DISSOLVED	170	J	100	1	0.1	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	POTASSIUM, TOTAL	170	J	100	1	0.1	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	SELENIUM, DISSOLVED		UJ	0.05	1	0.0125	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	SELENIUM, TOTAL		UJ	0.05	1	0.0125	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	SILVER, DISSOLVED		UJ	0.035	1	0.0035	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	SILVER, TOTAL		UJ	0.035	1	0.0035	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	SODIUM, DISSOLVED	4800	J	100	1	0.055	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	SODIUM, TOTAL	5000	J	100	1	0.055	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	THALLIUM, DISSOLVED		UJ	0.05	1	0.0175	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	THALLIUM, TOTAL		UJ	0.05	1	0.0175	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	VANADIUM, DISSOLVED		UJ	0.05	1	0.004	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	VANADIUM, TOTAL		UJ	0.05	1	0.004	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	ZINC, DISSOLVED		UJ	0.25	1	0.011	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	6010B	ZINC, TOTAL		UJ	0.25	1	0.011	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	7470A	MERCURY, DISSOLVED		UJ	0.0002	1	0.000012	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	7470A	MERCURY, TOTAL		UJ	0.0002	1	0.000012	mg/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	1,2,4-TRICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	1,2-DICHLOROBENZENE		UJ	5	1	1.3	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	1,3-DICHLOROBENZENE		UJ	5	1	1.1	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	1,4-DICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	2,4,5-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	2,4,6-TRIBROMOPHENOL	74		0	1		%
2-GW21S-03	21-Aug-03	L0308385-08	8270C	2,4,6-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	2,4-DICHLOROPHENOL		UJ	10	1	3.2	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	2,4-DIMETHYLPHENOL		UJ	10	1	3.5	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	2,4-DINITROPHENOL		UJ	20	1	2.3	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	2,4-DINITROTOLUENE		UJ	6	1	1.4	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	2,6-DINITROTOLUENE		UJ	5	1	1.5	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	2-CHLOROPHENOL		UJ	6	1	3.2	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	2-FLUOROBIPHENYL	66		0	1		%
2-GW21S-03	21-Aug-03	L0308385-08	8270C	2-FLUOROPHENOL	25		0	1		%
2-GW21S-03	21-Aug-03	L0308385-08	8270C	2-METHYLPHENOL		UJ	6	1	3.1	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	2-NITROANILINE		UJ	5	1	3.5	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	2-NITROPHENOL		UJ	20	1	3	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	3,3'-DICHLOROBENZIDINE		UJ	50	1	5.2	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	3-METHYLPHENOL/4-METHYLPHENOL		UJ	6	1	2.8	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	3-NITROANILINE		UJ	5	1	3.7	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	4,6-DINITRO-O-CRESOL		UJ	20	1	2.3	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW21S-03	21-Aug-03	L0308385-08	8270C	4-BROMOPHENYL PHENYL ETHER		UJ	5	1	1.7	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	4-CHLOROANILINE		UJ	5	1	4.6	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	4-CHLOROPHENYL PHENYL ETHER		UJ	5	1	1.5	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	4-NITROANILINE		UJ	7	1	2.7	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	4-NITROPHENOL		UJ	10	1	1.9	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	4-TERPHENYL-D14	90		0	1		%
2-GW21S-03	21-Aug-03	L0308385-08	8270C	BIS(2-CHLOROETHOXY)METHANE		UJ	5	1	1.7	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	BIS(2-CHLOROETHYL)ETHER		UJ	5	1	1.8	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	BIS(2-CHLOROISOPROPYL)ETHER		UJ	5	1	2.3	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	BIS(2-ETHYLHEXYL)PHTHALATE	3.8	J	10	1	2.1	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	BUTYL BENZYL PHTHALATE		UJ	5	1	2.2	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	CARBAZOLE		UJ	5	1	1.8	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	DIBENZOFURAN		UJ	5	1	3	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	DIETHYL PHTHALATE		UJ	5	1	4.9	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	DIMETHYL PHTHALATE		UJ	5	1	1.6	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	DI-N-BUTYLPHTHALATE		UJ	5	1	1.9	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	DI-N-OCTYLPHTHALATE		UJ	5	1	1.8	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	HEXACHLOROBENZENE		UJ	5	1	1.6	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	HEXACHLOROBUTADIENE		UJ	10	1	1.2	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	HEXACHLOROETHANE		UJ	5	1	1	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	ISOPHORONE		UJ	5	1	1.8	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	NITROBENZENE		UJ	5	1	1.8	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	NITROBENZENE-D5	49		0	1		%
2-GW21S-03	21-Aug-03	L0308385-08	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		UJ	15	1	1.9	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	N-NITROSODI-N-PROPYLAMINE		UJ	5	1	1.8	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	P-CHLORO-M-CRESOL		UJ	5	1	3.3	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	PENTACHLOROPHENOL		UJ	20	1	3.1	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	PHENOL		UJ	7	1	1.8	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C	PHENOL-D6	22		0	1		%
2-GW21S-03	21-Aug-03	L0308385-08	8270C-SIM	2-CHLORONAPHTHALENE		UJ	0.2	1	0.083	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C-SIM	2-FLUOROBIPHENYL	64		0	1		%
2-GW21S-03	21-Aug-03	L0308385-08	8270C-SIM	2-METHYLNAPHTHALENE		UJ	0.2	1	0.19	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C-SIM	4-TERPHENYL-D14	86		0	1		%
2-GW21S-03	21-Aug-03	L0308385-08	8270C-SIM	ACENAPHTHENE		UJ	0.2	1	0.094	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C-SIM	ACENAPHTHYLENE		UJ	0.2	1	0.091	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C-SIM	ANTHRACENE		UJ	0.2	1	0.062	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C-SIM	BENZO(A)ANTHRACENE		UJ	0.2	1	0.061	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C-SIM	BENZO(A)PYRENE		UJ	0.2	1	0.085	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C-SIM	BENZO(B)FLUORANTHENE		UJ	0.2	1	0.07	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C-SIM	BENZO(GHI)PERYLENE		UJ	0.25	1	0.24	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	0.2	1	0.1	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C-SIM	CHRYSENE		UJ	0.2	1	0.06	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW21S-03	21-Aug-03	L0308385-08	8270C-SIM	DIBENZO(A,H)ANTHRACENE		UJ	0.2	1	0.14	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C-SIM	FLUORANTHENE		UJ	0.2	1	0.065	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C-SIM	FLUORENE		UJ	0.2	1	0.12	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C-SIM	INDENO(1,2,3-CD)PYRENE		UJ	0.2	1	0.19	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C-SIM	NAPHTHALENE		UJ	0.2	1	0.1	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C-SIM	NITROBENZENE-D5	57		0	1		%
2-GW21S-03	21-Aug-03	L0308385-08	8270C-SIM	PHENANTHRENE		UJ	0.2	1	0.088	ug/l
2-GW21S-03	21-Aug-03	L0308385-08	8270C-SIM	PYRENE		UJ	0.2	1	0.068	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	9038	SULFATE	23	J	10	1	1.3	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	9060	TOTAL ORGANIC CARBON	3.8	J	1	1	0.086	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	9251	CHLORIDE	320	J	10	1	0.35	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	2320B	ALKALINITY, TOTAL	160	J	2	1	0.4	mg CaCO3/L
2-GW37S-03	20-Aug-03	L0308385-05	2540C	SOLIDS, TOTAL DISSOLVED	740	J	10	1	2.8	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	2540D	SOLIDS, TOTAL SUSPENDED		U	5	1	5	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	5220D	CHEMICAL OXYGEN DEMAND	22	J	20	1	4.2	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	ALUMINUM, DISSOLVED		UJ	0.1	1	0.017	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	ALUMINUM, TOTAL		UJ	0.1	1	0.017	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	ANTIMONY, DISSOLVED		UJ	0.05	1	0.002	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	ANTIMONY, TOTAL		UJ	0.05	1	0.002	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	ARSENIC, DISSOLVED		UJ	0.004	1	0.0034	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	ARSENIC, TOTAL		UJ	0.004	1	0.0034	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	BARIUM, DISSOLVED	0.12	J	0.01	1	0.0004	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	BARIUM, TOTAL	0.12	J	0.01	1	0.0004	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	BERYLLIUM, DISSOLVED		UJ	0.002	1	0.0006	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	BERYLLIUM, TOTAL		UJ	0.002	1	0.0006	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	CADMIUM, DISSOLVED		UJ	0.002	1	0.0004	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	CADMIUM, TOTAL		UJ	0.002	1	0.0004	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	CALCIUM, DISSOLVED	28	J	0.1	1	0.0099	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	CALCIUM, TOTAL	28	J	0.1	1	0.0099	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	CHROMIUM, DISSOLVED		UJ	0.01	1	0.0008	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	CHROMIUM, TOTAL		UJ	0.01	1	0.0008	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	COBALT, DISSOLVED	0.005	J	0.02	1	0.0005	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	COBALT, TOTAL	0.005	J	0.02	1	0.0005	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	COPPER, DISSOLVED		UJ	0.01	1	0.0018	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	COPPER, TOTAL		UJ	0.01	1	0.0018	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	HARDNESS	150	J	1.7	1	0.056	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	IRON, DISSOLVED	0.58	J	0.05	1	0.014	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	IRON, TOTAL	0.63	J	0.05	1	0.014	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	LEAD, DISSOLVED		UJ	0.005	1	0.0048	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	LEAD, TOTAL		UJ	0.005	1	0.0048	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	MAGNESIUM, DISSOLVED	19	J	0.1	1	0.0075	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	MAGNESIUM, TOTAL	19	J	0.1	1	0.0075	mg/l

DATA SUMMARY TABLE
ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW37S-03	20-Aug-03	L0308385-05	6010B	MANGANESE, DISSOLVED	2.4	J	0.01	1	0.0005	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	MANGANESE, TOTAL	2.4	J	0.01	1	0.0005	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	MOLYBDENUM, DISSOLVED	0.0017	J	0.05	1	0.0013	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	MOLYBDENUM, TOTAL	0.0015	J	0.05	1	0.0013	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	NICKEL, DISSOLVED		UJ	0.025	1	0.0018	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	NICKEL, TOTAL		UJ	0.025	1	0.0018	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	POTASSIUM, DISSOLVED	11	J	1	1	0.1	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	POTASSIUM, TOTAL	9.9	J	1	1	0.1	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	SELENIUM, DISSOLVED		UJ	0.01	1	0.0025	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	SELENIUM, TOTAL		UJ	0.01	1	0.0025	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	SILVER, DISSOLVED		UJ	0.007	1	0.0007	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	SILVER, TOTAL	0.00099	U	0.007	1	0.0007	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	SODIUM, DISSOLVED	260	J	1	1	0.055	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	SODIUM, TOTAL	230	J	1	1	0.055	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	THALLIUM, DISSOLVED		UJ	0.01	1	0.0035	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	THALLIUM, TOTAL		UJ	0.01	1	0.0035	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	VANADIUM, DISSOLVED		UJ	0.01	1	0.0008	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	VANADIUM, TOTAL		UJ	0.01	1	0.0008	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	ZINC, DISSOLVED	0.004	U	0.05	1	0.0022	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	6010B	ZINC, TOTAL	0.0022	U	0.05	1	0.0022	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	7470A	MERCURY, DISSOLVED		UJ	0.0002	1	0.000012	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	7470A	MERCURY, TOTAL		UJ	0.0002	1	0.000012	mg/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	1,2,4-TRICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	1,2-DICHLOROBENZENE		UJ	5	1	1.3	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	1,3-DICHLOROBENZENE		UJ	5	1	1.1	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	1,4-DICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	2,4,5-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	2,4,6-TRIBROMOPHENOL	76		0	1		%
2-GW37S-03	20-Aug-03	L0308385-05	8270C	2,4,6-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	2,4-DICHLOROPHENOL		UJ	10	1	3.2	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	2,4-DIMETHYLPHENOL		UJ	10	1	3.5	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	2,4-DINITROPHENOL		UJ	20	1	2.3	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	2,4-DINITROTOLUENE		UJ	6	1	1.4	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	2,6-DINITROTOLUENE		UJ	5	1	1.5	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	2-CHLOROPHENOL		UJ	6	1	3.2	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	2-FLUOROBIPHENYL	74		0	1		%
2-GW37S-03	20-Aug-03	L0308385-05	8270C	2-FLUOROPHENOL	32		0	1		%
2-GW37S-03	20-Aug-03	L0308385-05	8270C	2-METHYLPHENOL		UJ	6	1	3.1	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	2-NITROANILINE		UJ	5	1	3.5	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	2-NITROPHENOL		UJ	20	1	3	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	3,3'-DICHLOROBENZIDINE		UJ	50	1	5.2	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	3-METHYLPHENOL/4-METHYLPHENOL		UJ	6	1	2.8	ug/l

DATA SUMMARY TABLE
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AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW37S-03	20-Aug-03	L0308385-05	8270C	3-NITROANILINE		UJ	5	1	3.7	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	4,6-DINITRO-O-CRESOL		UJ	20	1	2.3	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	4-BROMOPHENYL PHENYL ETHER		UJ	5	1	1.7	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	4-CHLOROANILINE		UJ	5	1	4.6	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	4-CHLOROPHENYL PHENYL ETHER		UJ	5	1	1.5	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	4-NITROANILINE		UJ	7	1	2.7	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	4-NITROPHENOL		UJ	10	1	1.9	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	4-TERPHENYL-D14	107		0	1		%
2-GW37S-03	20-Aug-03	L0308385-05	8270C	BIS(2-CHLOROETHOXY)METHANE		UJ	5	1	1.7	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	BIS(2-CHLOROETHYL)ETHER		UJ	5	1	1.8	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	BIS(2-CHLOROISOPROPYL)ETHER		UJ	5	1	2.3	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	BIS(2-ETHYLHEXYL)PHTHALATE	3.6	J	10	1	2.1	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	BUTYL BENZYL PHTHALATE		UJ	5	1	2.2	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	CARBAZOLE		UJ	5	1	1.8	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	DIBENZOFURAN		UJ	5	1	3	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	DIETHYL PHTHALATE		UJ	5	1	4.9	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	DIMETHYL PHTHALATE		UJ	5	1	1.6	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	DI-N-BUTYLPHTHALATE		UJ	5	1	1.9	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	DI-N-OCTYLPHTHALATE		UJ	5	1	1.8	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	HEXACHLOROBENZENE		UJ	5	1	1.6	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	HEXACHLOROBUTADIENE		UJ	10	1	1.2	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	HEXACHLOROETHANE		UJ	5	1	1	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	ISOPHORONE		UJ	5	1	1.8	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	NITROBENZENE		UJ	5	1	1.8	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	NITROBENZENE-D5	62		0	1		%
2-GW37S-03	20-Aug-03	L0308385-05	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		UJ	15	1	1.9	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	N-NITROSODI-N-PROPYLAMINE		UJ	5	1	1.8	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	P-CHLORO-M-CRESOL		UJ	5	1	3.3	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	PENTACHLOROPHENOL		UJ	20	1	3.1	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	PHENOL		UJ	7	1	1.8	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C	PHENOL-D6	22		0	1		%
2-GW37S-03	20-Aug-03	L0308385-05	8270C-SIM	2-CHLORONAPHTHALENE		UJ	0.2	1	0.083	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C-SIM	2-FLUOROBIPHENYL	72		0	1		%
2-GW37S-03	20-Aug-03	L0308385-05	8270C-SIM	2-METHYLNAPHTHALENE		UJ	0.2	1	0.19	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C-SIM	4-TERPHENYL-D14	105		0	1		%
2-GW37S-03	20-Aug-03	L0308385-05	8270C-SIM	ACENAPHTHENE		UJ	0.2	1	0.094	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C-SIM	ACENAPHTHYLENE		UJ	0.2	1	0.091	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C-SIM	ANTHRACENE		UJ	0.2	1	0.062	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C-SIM	BENZO(A)ANTHRACENE		UJ	0.2	1	0.061	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C-SIM	BENZO(A)PYRENE		UJ	0.2	1	0.085	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C-SIM	BENZO(B)FLUORANTHENE		UJ	0.2	1	0.07	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C-SIM	BENZO(GHI)PERYLENE		UJ	0.25	1	0.24	ug/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW37S-03	20-Aug-03	L0308385-05	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	0.2	1	0.1	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C-SIM	CHRYSENE		UJ	0.2	1	0.06	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C-SIM	DIBENZO(A,H)ANTHRACENE		UJ	0.2	1	0.14	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C-SIM	FLUORANTHENE		UJ	0.2	1	0.065	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C-SIM	FLUORENE		UJ	0.2	1	0.12	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C-SIM	INDENO(1,2,3-CD)PYRENE		UJ	0.2	1	0.19	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C-SIM	NAPHTHALENE		UJ	0.2	1	0.1	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C-SIM	NITROBENZENE-D5	72		0	1		%
2-GW37S-03	20-Aug-03	L0308385-05	8270C-SIM	PHENANTHRENE		UJ	0.2	1	0.088	ug/l
2-GW37S-03	20-Aug-03	L0308385-05	8270C-SIM	PYRENE		UJ	0.2	1	0.068	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	9038	SULFATE		UJ	10	1	1.3	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	9060	TOTAL ORGANIC CARBON	14	J	1	1	0.086	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	9251	CHLORIDE	130	J	10	1	0.35	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	2320B	ALKALINITY, TOTAL	260	J	2	1	0.4	mg CaCO3/L
2-GW38DS-03	20-Aug-03	L0308385-01	2540C	SOLIDS, TOTAL DISSOLVED	570	J	20	1	5.7	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	5220D	CHEMICAL OXYGEN DEMAND	45	J	20	1	4.2	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	ALUMINUM, DISSOLVED	0.14	J	0.1	1	0.017	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	ALUMINUM, TOTAL	0.064	J	0.1	1	0.017	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	ANTIMONY, DISSOLVED		UJ	0.05	1	0.002	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	ANTIMONY, TOTAL		UJ	0.05	1	0.002	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	ARSENIC, DISSOLVED	0.00388	J	0.004	1	0.0034	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	ARSENIC, TOTAL		UJ	0.004	1	0.0034	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	BARIUM, DISSOLVED	0.0093	J	0.01	1	0.0004	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	BARIUM, TOTAL	0.01	J	0.01	1	0.0004	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	BERYLLIUM, DISSOLVED		UJ	0.002	1	0.0006	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	BERYLLIUM, TOTAL		UJ	0.002	1	0.0006	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	CADMIUM, DISSOLVED		UJ	0.002	1	0.0004	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	CADMIUM, TOTAL		UJ	0.002	1	0.0004	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	CALCIUM, DISSOLVED	45	J	0.1	1	0.0099	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	CALCIUM, TOTAL	47	J	0.1	1	0.0099	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	CHROMIUM, DISSOLVED	0.0035	J	0.01	1	0.0008	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	CHROMIUM, TOTAL	0.0029	J	0.01	1	0.0008	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	COBALT, DISSOLVED	0.0011	U	0.02	1	0.0005	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	COBALT, TOTAL	0.0018	U	0.02	1	0.0005	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	COPPER, DISSOLVED		UJ	0.01	1	0.0018	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	COPPER, TOTAL	0.0018	J	0.01	1	0.0018	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	HARDNESS	170	J	1.7	1	0.056	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	IRON, DISSOLVED	6.5	J	0.05	1	0.014	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	IRON, TOTAL	4.2	J	0.05	1	0.014	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	LEAD, DISSOLVED		UJ	0.005	1	0.0048	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	LEAD, TOTAL		UJ	0.005	1	0.0048	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	MAGNESIUM, DISSOLVED	14	J	0.1	1	0.0075	mg/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	MAGNESIUM, TOTAL	12	J	0.1	1	0.0075	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	MANGANESE, DISSOLVED	0.65	J	0.01	1	0.0005	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	MANGANESE, TOTAL	0.81	J	0.01	1	0.0005	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	MOLYBDENUM, DISSOLVED	0.0035	J	0.05	1	0.0013	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	MOLYBDENUM, TOTAL	0.0021	J	0.05	1	0.0013	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	NICKEL, DISSOLVED	0.00523	J	0.025	1	0.0018	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	NICKEL, TOTAL	0.00401	J	0.025	1	0.0018	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	POTASSIUM, DISSOLVED	14	J	1	1	0.1	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	POTASSIUM, TOTAL	12	J	1	1	0.1	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	SELENIUM, DISSOLVED		UJ	0.01	1	0.0025	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	SELENIUM, TOTAL		UJ	0.01	1	0.0025	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	SILVER, DISSOLVED		UJ	0.007	1	0.0007	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	SILVER, TOTAL	0.00094	U	0.007	1	0.0007	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	SODIUM, DISSOLVED	130	J	1	1	0.055	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	SODIUM, TOTAL	120	J	1	1	0.055	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	THALLIUM, DISSOLVED		UJ	0.01	1	0.0035	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	THALLIUM, TOTAL		UJ	0.01	1	0.0035	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	VANADIUM, DISSOLVED	0.0041	U	0.01	1	0.0008	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	VANADIUM, TOTAL	0.0023	U	0.01	1	0.0008	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	ZINC, DISSOLVED	0.0084	U	0.05	1	0.0022	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	6010B	ZINC, TOTAL	0.0048	U	0.05	1	0.0022	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	7470A	MERCURY, DISSOLVED		UJ	0.0002	1	0.000012	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	7470A	MERCURY, TOTAL		UJ	0.0002	1	0.000012	mg/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	1,2,4-TRICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	1,2-DICHLOROBENZENE		UJ	5	1	1.3	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	1,3-DICHLOROBENZENE		UJ	5	1	1.1	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	1,4-DICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	2,4,5-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	2,4,6-TRIBROMOPHENOL	85		0	1		%
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	2,4,6-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	2,4-DICHLOROPHENOL		UJ	10	1	3.2	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	2,4-DIMETHYLPHENOL		UJ	10	1	3.5	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	2,4-DINITROPHENOL		UJ	20	1	2.3	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	2,4-DINITROTOLUENE		UJ	6	1	1.4	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	2,6-DINITROTOLUENE		UJ	5	1	1.5	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	2-CHLOROPHENOL		UJ	6	1	3.2	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	2-FLUOROBIPHENYL	71		0	1		%
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	2-FLUOROPHENOL	32		0	1		%
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	2-METHYLPHENOL		UJ	6	1	3.1	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	2-NITROANILINE		UJ	5	1	3.5	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	2-NITROPHENOL		UJ	20	1	3	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	3,3'-DICHLOROBENZIDINE		UJ	50	1	5.2	ug/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	3-METHYLPHENOL/4-METHYLPHENOL		UJ	6	1	2.8	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	3-NITROANILINE		UJ	5	1	3.7	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	4,6-DINITRO-O-CRESOL		UJ	20	1	2.3	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	4-BROMOPHENYL PHENYL ETHER		UJ	5	1	1.7	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	4-CHLOROANILINE		UJ	5	1	4.6	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	4-CHLOROPHENYL PHENYL ETHER		UJ	5	1	1.5	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	4-NITROANILINE		UJ	7	1	2.7	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	4-NITROPHENOL		UJ	10	1	1.9	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	4-TERPHENYL-D14	119		0	1		%
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	BIS(2-CHLOROETHOXY)METHANE		UJ	5	1	1.7	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	BIS(2-CHLOROETHYL)ETHER		UJ	5	1	1.8	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	BIS(2-CHLOROISOPROPYL)ETHER		UJ	5	1	2.3	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	BIS(2-ETHYLHEXYL)PHTHALATE		UJ	10	1	2.1	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	BUTYL BENZYL PHTHALATE		UJ	5	1	2.2	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	CARBAZOLE		UJ	5	1	1.8	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	DIBENZOFURAN		UJ	5	1	3	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	DIETHYL PHTHALATE		UJ	5	1	4.9	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	DIMETHYL PHTHALATE		UJ	5	1	1.6	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	DI-N-BUTYLPHTHALATE		UJ	5	1	1.9	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	DI-N-OCTYLPHTHALATE		UJ	5	1	1.8	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	HEXACHLOROBENZENE		UJ	5	1	1.6	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	HEXACHLOROBUTADIENE		UJ	10	1	1.2	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	HEXACHLOROETHANE		UJ	5	1	1	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	ISOPHORONE		UJ	5	1	1.8	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	NITROBENZENE		UJ	5	1	1.8	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	NITROBENZENE-D5	60		0	1		%
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		UJ	15	1	1.9	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	N-NITROSODI-N-PROPYLAMINE		UJ	5	1	1.8	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	P-CHLORO-M-CRESOL		UJ	5	1	3.3	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	PENTACHLOROPHENOL		UJ	20	1	3.1	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	PHENOL		UJ	7	1	1.8	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C	PHENOL-D6	23		0	1		%
2-GW38DS-03	20-Aug-03	L0308385-01	8270C-SIM	2-CHLORONAPHTHALENE		UJ	0.2	1	0.083	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C-SIM	2-FLUOROBIPHENYL	66		0	1		%
2-GW38DS-03	20-Aug-03	L0308385-01	8270C-SIM	2-METHYLNAPHTHALENE		UJ	0.2	1	0.19	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C-SIM	4-TERPHENYL-D14	107		0	1		%
2-GW38DS-03	20-Aug-03	L0308385-01	8270C-SIM	ACENAPHTHENE		UJ	0.2	1	0.094	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C-SIM	ACENAPHTHYLENE		UJ	0.2	1	0.091	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C-SIM	ANTHRACENE		UJ	0.2	1	0.062	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C-SIM	BENZO(A)ANTHRACENE		UJ	0.2	1	0.061	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C-SIM	BENZO(A)PYRENE		UJ	0.2	1	0.085	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C-SIM	BENZO(B)FLUORANTHENE		UJ	0.2	1	0.07	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW38DS-03	20-Aug-03	L0308385-01	8270C-SIM	BENZO(GHI)PERYLENE		UJ	0.25	1	0.24	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	0.2	1	0.1	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C-SIM	CHRYSENE		UJ	0.2	1	0.06	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C-SIM	DIBENZO(A,H)ANTHRACENE		UJ	0.2	1	0.14	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C-SIM	FLUORANTHENE		UJ	0.2	1	0.065	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C-SIM	FLUORENE		UJ	0.2	1	0.12	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C-SIM	INDENO(1,2,3-CD)PYRENE		UJ	0.2	1	0.19	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C-SIM	NAPHTHALENE		UJ	0.2	1	0.1	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C-SIM	NITROBENZENE-D5	68		0	1		%
2-GW38DS-03	20-Aug-03	L0308385-01	8270C-SIM	PHENANTHRENE		UJ	0.2	1	0.088	ug/l
2-GW38DS-03	20-Aug-03	L0308385-01	8270C-SIM	PYRENE		UJ	0.2	1	0.068	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	9038	SULFATE	10		10	1	1.3	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	9060	TOTAL ORGANIC CARBON	4.6		2	1	0.17	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	9251	CHLORIDE	370		10	1	0.35	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	2320B	ALKALINITY, TOTAL	80		2	1	0.4	mg CaCO3/L
2-GW39DS-03	20-Aug-03	L0308333-03	2540C	SOLIDS, TOTAL DISSOLVED	760		20	1	5.7	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	2540D	SOLIDS, TOTAL SUSPENDED	42		10	1	10	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	5220D	CHEMICAL OXYGEN DEMAND	18	J	20	1	4.2	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	HARDNESS	120		1.7	1	0.056	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	ALUMINUM, TOTAL	0.05	J	0.1	1	0.017	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	ANTIMONY, TOTAL		U	0.05	1	0.002	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	ARSENIC, TOTAL		U	0.004	1	0.0034	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	BARIUM, TOTAL	0.1	J	0.01	1	0.0004	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	BERYLLIUM, TOTAL		U	0.002	1	0.0006	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	CADMIUM, TOTAL		U	0.002	1	0.0004	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	CALCIUM, TOTAL	36		0.1	1	0.0099	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	CHROMIUM, TOTAL		UJ	0.01	1	0.0008	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	COBALT, TOTAL		U	0.02	1	0.0005	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	COPPER, TOTAL		UJ	0.01	1	0.0018	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	IRON, TOTAL	30		0.05	1	0.014	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	LEAD, TOTAL		U	0.005	1	0.0048	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	MAGNESIUM, TOTAL	8.5		0.5	1	0.0075	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	MANGANESE, TOTAL	0.67		0.01	1	0.0005	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	MOLYBDENUM, TOTAL		U	0.05	1	0.0013	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	NICKEL, TOTAL		UJ	0.025	1	0.0018	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	POTASSIUM, TOTAL	14		10	1	0.1	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	SELENIUM, TOTAL		U	0.01	1	0.0025	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	SILVER, TOTAL	0.00115	U	0.007	1	0.0007	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	SODIUM, TOTAL	240		10	1	0.055	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	THALLIUM, TOTAL	0.00408	J	0.01	1	0.0035	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	VANADIUM, TOTAL	0.0021	J	0.01	1	0.0008	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	ZINC, TOTAL	0.0037	U	0.05	1	0.0022	mg/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	ALUMINUM, DISSOLVED	0.033	J	0.1	1	0.017	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	ANTIMONY, DISSOLVED		U	0.05	1	0.002	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	ARSENIC, DISSOLVED		U	0.004	1	0.0034	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	BARIUM, DISSOLVED	0.11	J	0.01	1	0.0004	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	BERYLLIUM, DISSOLVED		U	0.002	1	0.0006	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	CADMIUM, DISSOLVED		U	0.002	1	0.0004	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	CALCIUM, DISSOLVED	32		0.1	1	0.0099	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	CHROMIUM, DISSOLVED		UJ	0.01	1	0.0008	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	COBALT, DISSOLVED		U	0.02	1	0.0005	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	COPPER, DISSOLVED		UJ	0.01	1	0.0018	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	IRON, DISSOLVED	32		0.05	1	0.014	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	LEAD, DISSOLVED		U	0.005	1	0.0048	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	MAGNESIUM, DISSOLVED	6.6		5	1	0.0099	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	MANGANESE, DISSOLVED	0.63		0.01	1	0.0005	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	MOLYBDENUM, DISSOLVED		U	0.05	1	0.0013	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	NICKEL, DISSOLVED		UJ	0.025	1	0.0018	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	POTASSIUM, DISSOLVED	10		10	1	0.1	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	SELENIUM, DISSOLVED		U	0.01	1	0.0025	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	SILVER, DISSOLVED		U	0.007	1	0.0007	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	SODIUM, DISSOLVED	190		10	1	0.055	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	THALLIUM, DISSOLVED		U	0.01	1	0.0035	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	VANADIUM, DISSOLVED	0.0012	UJ	0.01	1	0.0008	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	6010B	ZINC, DISSOLVED	0.0038	U	0.05	1	0.0022	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	7470A	MERCURY, TOTAL		U	0.0002	1	0.000012	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	7470A	MERCURY, DISSOLVED		U	0.0002	1	0.000012	mg/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	PHENOL-D6	27		0	1		%
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	NITROBENZENE-D5	70		0	1		%
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	2-FLUOROBIPHENYL	82		0	1		%
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	2,4,6-TRIBROMOPHENOL	76		0	1		%
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	4-TERPHENYL-D14	102		0	1		%
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	1,2,4-TRICHLOROBENZENE		U	5	1	1.2	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	HEXACHLOROBENZENE		UJ	5	1	1.6	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	BIS(2-CHLOROETHYL)ETHER		U	5	1	1.8	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	1,2-DICHLOROBENZENE		U	5	1	1.3	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	1,3-DICHLOROBENZENE		U	5	1	1.1	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	1,4-DICHLOROBENZENE		U	5	1	1.2	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	3,3'-DICHLOROBENZIDINE		U	50	1	5.2	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	2,4-DINITROTOLUENE		U	6	1	1.4	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	2,6-DINITROTOLUENE		U	5	1	1.5	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	4-CHLOROPHENYL PHENYL ETHER		U	5	1	1.5	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	4-BROMOPHENYL PHENYL ETHER		UJ	5	1	1.7	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	5	1	2.3	ug/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	BIS(2-CHLOROETHOXY)METHANE		UJ	5	1	1.7	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	HEXACHLOROBUTADIENE		UJ	10	1	1.2	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	HEXACHLOROETHANE		U	5	1	1	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	ISOPHORONE		UJ	5	1	1.8	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	NITROBENZENE		UJ	5	1	1.8	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	15	1	1.9	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	N-NITROSODI-N-PROPYLAMINE		UJ	5	1	1.8	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	BIS(2-ETHYLHEXYL)PHTHALATE		U	10	1	2.1	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	BUTYL BENZYL PHTHALATE		U	5	1	2.2	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	DI-N-BUTYLPHTHALATE		U	5	1	1.9	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	DI-N-OCTYLPHTHALATE		U	5	1	1.8	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	DIETHYL PHTHALATE		U	5	1	4.9	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	DIMETHYL PHTHALATE		U	5	1	1.6	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	4-CHLOROANILINE		U	5	1	4.6	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	2-NITROANILINE		U	5	1	3.5	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	3-NITROANILINE		U	5	1	3.7	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	4-NITROANILINE		U	7	1	2.7	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	DIBENZOFURAN		UJ	5	1	3	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	2,4,6-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	P-CHLORO-M-CRESOL		U	5	1	3.3	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	2-CHLOROPHENOL		U	6	1	3.2	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	2,4-DICHLOROPHENOL		UJ	10	1	3.2	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	2,4-DIMETHYLPHENOL		R	10	1	3.5	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	2-NITROPHENOL		UJ	20	1	3	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	4-NITROPHENOL		U	10	1	1.9	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	2,4-DINITROPHENOL		U	20	1	2.3	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	4,6-DINITRO-O-CRESOL		U	20	1	2.3	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	PENTACHLOROPHENOL		U	20	1	3.1	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	PHENOL		UJ	7	1	1.8	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	2-METHYLPHENOL		UJ	6	1	3.1	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	3-METHYLPHENOL/4-METHYLPHENOL		UJ	6	1	2.8	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	2,4,5-TRICHLOROPHENOL		U	5	1	3.5	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	CARBAZOLE		U	5	1	1.8	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C	2-FLUOROPHENOL	38		0	1		%
2-GW39DS-03	20-Aug-03	L0308333-03	8270C-SIM	ACENAPHTHENE		U	0.2	1	0.094	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C-SIM	2-CHLORONAPHTHALENE		UJ	0.2	1	0.083	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C-SIM	FLUORANTHENE		U	0.2	1	0.065	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C-SIM	NAPHTHALENE		UJ	0.2	1	0.1	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C-SIM	BENZO(A)ANTHRACENE		U	0.2	1	0.061	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C-SIM	BENZO(A)PYRENE		U	0.2	1	0.085	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C-SIM	BENZO(B)FLUORANTHENE		U	0.2	1	0.07	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C-SIM	BENZO(K)FLUORANTHENE		U	0.2	1	0.1	ug/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW39DS-03	20-Aug-03	L0308333-03	8270C-SIM	CHRYSENE		U	0.2	1	0.06	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C-SIM	ACENAPHTHYLENE		UJ	0.2	1	0.091	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C-SIM	ANTHRACENE		U	0.2	1	0.062	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C-SIM	BENZO(GHI)PERYLENE		U	0.25	1	0.24	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C-SIM	FLUORENE		U	0.2	1	0.12	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C-SIM	PHENANTHRENE		U	0.2	1	0.088	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C-SIM	DIBENZO(A,H)ANTHRACENE		U	0.2	1	0.14	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	0.2	1	0.19	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C-SIM	PYRENE		U	0.2	1	0.068	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C-SIM	2-METHYLNAPHTHALENE		UJ	0.2	1	0.19	ug/l
2-GW39DS-03	20-Aug-03	L0308333-03	8270C-SIM	NITROBENZENE-D5	83		0	1		%
2-GW39DS-03	20-Aug-03	L0308333-03	8270C-SIM	2-FLUOROBIPHENYL	86		0	1		%
2-GW39DS-03	20-Aug-03	L0308333-03	8270C-SIM	4-TERPHENYL-D14	108		0	1		%
2-GW40DS-03	19-Aug-03	L0308385-10	9038	SULFATE	160	J	100	1	13	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	9060	TOTAL ORGANIC CARBON	32	J	5	1	0.43	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	9251	CHLORIDE	5400	J	100	1	0.35	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	2320B	ALKALINITY, TOTAL	1200	J	5	1	1	mg CaCO3/L
2-GW40DS-03	19-Aug-03	L0308385-10	2540C	SOLIDS, TOTAL DISSOLVED	9700	J	20	1	5.7	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	2540D	SOLIDS, TOTAL SUSPENDED	33	J	5	1	5	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	5220D	CHEMICAL OXYGEN DEMAND	630	J	20	1	4.2	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	ALUMINUM, DISSOLVED		UJ	0.5	1	0.087	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	ALUMINUM, TOTAL	0.21	J	0.5	1	0.087	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	ANTIMONY, DISSOLVED		UJ	0.05	1	0.01	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	ANTIMONY, TOTAL		UJ	0.05	1	0.01	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	ARSENIC, DISSOLVED		UJ	0.02	1	0.017	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	ARSENIC, TOTAL		UJ	0.02	1	0.017	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	BARIUM, DISSOLVED	0.06	J	0.05	1	0.002	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	BARIUM, TOTAL	0.06	J	0.05	1	0.002	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	BERYLLIUM, DISSOLVED		UJ	0.01	1	0.003	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	BERYLLIUM, TOTAL		UJ	0.01	1	0.003	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	CADMIUM, DISSOLVED		UJ	0.01	1	0.002	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	CADMIUM, TOTAL		UJ	0.01	1	0.002	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	CALCIUM, DISSOLVED	120	J	0.5	1	0.05	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	CALCIUM, TOTAL	120	J	0.5	1	0.05	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	CHROMIUM, DISSOLVED	0.0068	J	0.05	1	0.004	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	CHROMIUM, TOTAL	0.0064	J	0.05	1	0.004	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	COBALT, DISSOLVED		UJ	0.05	1	0.0025	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	COBALT, TOTAL		UJ	0.05	1	0.0025	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	COPPER, DISSOLVED		UJ	0.05	1	0.009	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	COPPER, TOTAL		UJ	0.05	1	0.009	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	HARDNESS	1800	J	8.3	1	0.28	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	IRON, DISSOLVED		UJ	0.25	1	0.072	mg/l

DATA SUMMARY TABLE
ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	IRON, TOTAL	1.4	J	0.25	1	0.072	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	LEAD, DISSOLVED		UJ	0.025	1	0.024	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	LEAD, TOTAL		UJ	0.025	1	0.024	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	MAGNESIUM, DISSOLVED	400	J	0.5	1	0.038	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	MAGNESIUM, TOTAL	370	J	0.5	1	0.038	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	MANGANESE, DISSOLVED	0.09	J	0.05	1	0.0025	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	MANGANESE, TOTAL	0.09	J	0.05	1	0.0025	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	MOLYBDENUM, DISSOLVED		UJ	0.05	1	0.0065	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	MOLYBDENUM, TOTAL		UJ	0.05	1	0.0065	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	NICKEL, DISSOLVED		UJ	0.05	1	0.009	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	NICKEL, TOTAL		UJ	0.05	1	0.009	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	POTASSIUM, DISSOLVED	140	J	100	1	0.1	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	POTASSIUM, TOTAL	130	J	100	1	0.1	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	SELENIUM, DISSOLVED		UJ	0.05	1	0.0125	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	SELENIUM, TOTAL		UJ	0.05	1	0.0125	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	SILVER, DISSOLVED		UJ	0.035	1	0.0035	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	SILVER, TOTAL		UJ	0.035	1	0.0035	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	SODIUM, DISSOLVED	3500	J	100	1	0.055	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	SODIUM, TOTAL	3300	J	100	1	0.055	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	THALLIUM, DISSOLVED		UJ	0.05	1	0.0175	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	THALLIUM, TOTAL		UJ	0.05	1	0.0175	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	VANADIUM, DISSOLVED	0.0048	J	0.05	1	0.004	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	VANADIUM, TOTAL	0.0046	J	0.05	1	0.004	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	ZINC, DISSOLVED		UJ	0.25	1	0.011	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	6010B	ZINC, TOTAL	0.017	U	0.25	1	0.011	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	7470A	MERCURY, DISSOLVED		UJ	0.0002	1	0.000012	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	7470A	MERCURY, TOTAL		UJ	0.0002	1	0.000012	mg/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	1,2,4-TRICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	1,2-DICHLOROBENZENE		UJ	5	1	1.3	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	1,3-DICHLOROBENZENE		UJ	5	1	1.1	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	1,4-DICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	2,4,5-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	2,4,6-TRIBROMOPHENOL	78		0	1		%
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	2,4,6-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	2,4-DICHLOROPHENOL		UJ	10	1	3.2	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	2,4-DIMETHYLPHENOL		UJ	10	1	3.5	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	2,4-DINITROPHENOL		UJ	20	1	2.3	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	2,4-DINITROTOLUENE		UJ	6	1	1.4	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	2,6-DINITROTOLUENE		UJ	5	1	1.5	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	2-CHLOROPHENOL		UJ	6	1	3.2	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	2-FLUOROBIPHENYL	65		0	1		%
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	2-FLUOROPHENOL	22		0	1		%

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	2-METHYLPHENOL		UJ	6	1	3.1	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	2-NITROANILINE		UJ	5	1	3.5	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	2-NITROPHENOL		UJ	20	1	3	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	3,3'-DICHLOROBENZIDINE		UJ	50	1	5.2	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	3-METHYLPHENOL/4-METHYLPHENOL		UJ	6	1	2.8	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	3-NITROANILINE		UJ	5	1	3.7	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	4,6-DINITRO-O-CRESOL		UJ	20	1	2.3	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	4-BROMOPHENYL PHENYL ETHER		UJ	5	1	1.7	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	4-CHLOROANILINE		UJ	5	1	4.6	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	4-CHLOROPHENYL PHENYL ETHER		UJ	5	1	1.5	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	4-NITROANILINE		UJ	7	1	2.7	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	4-NITROPHENOL		UJ	10	1	1.9	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	4-TERPHENYL-D14	92		0	1		%
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	BIS(2-CHLOROETHOXY)METHANE		UJ	5	1	1.7	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	BIS(2-CHLOROETHYL)ETHER		UJ	5	1	1.8	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	BIS(2-CHLOROISOPROPYL)ETHER		UJ	5	1	2.3	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	BIS(2-ETHYLHEXYL)PHTHALATE	3.8	J	10	1	2.1	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	BUTYL BENZYL PHTHALATE		UJ	5	1	2.2	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	CARBAZOLE		UJ	5	1	1.8	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	DIBENZOFURAN		UJ	5	1	3	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	DIETHYL PHTHALATE		UJ	5	1	4.9	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	DIMETHYL PHTHALATE		UJ	5	1	1.6	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	DI-N-BUTYLPHTHALATE		UJ	5	1	1.9	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	DI-N-OCTYLPHTHALATE		UJ	5	1	1.8	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	HEXACHLOROBENZENE		UJ	5	1	1.6	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	HEXACHLOROBUTADIENE		UJ	10	1	1.2	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	HEXACHLOROETHANE		UJ	5	1	1	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	ISOPHORONE		UJ	5	1	1.8	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	NITROBENZENE		UJ	5	1	1.8	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	NITROBENZENE-D5	44		0	1		%
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		UJ	15	1	1.9	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	N-NITROSODI-N-PROPYLAMINE		UJ	5	1	1.8	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	P-CHLORO-M-CRESOL		UJ	5	1	3.3	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	PENTACHLOROPHENOL		UJ	20	1	3.1	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	PHENOL		UJ	7	1	1.8	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C	PHENOL-D6	18		0	1		%
2-GW40DS-03	19-Aug-03	L0308385-10	8270C-SIM	2-CHLORONAPHTHALENE		UJ	0.2	1	0.083	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C-SIM	2-FLUOROBIPHENYL	62		0	1		%
2-GW40DS-03	19-Aug-03	L0308385-10	8270C-SIM	2-METHYLNAPHTHALENE		UJ	0.2	1	0.19	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C-SIM	4-TERPHENYL-D14	85		0	1		%
2-GW40DS-03	19-Aug-03	L0308385-10	8270C-SIM	ACENAPHTHENE		UJ	0.2	1	0.094	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C-SIM	ACENAPHTHYLENE		UJ	0.2	1	0.091	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW40DS-03	19-Aug-03	L0308385-10	8270C-SIM	ANTHRACENE		UJ	0.2	1	0.062	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C-SIM	BENZO(A)ANTHRACENE		UJ	0.2	1	0.061	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C-SIM	BENZO(A)PYRENE		UJ	0.2	1	0.085	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C-SIM	BENZO(B)FLUORANTHENE		UJ	0.2	1	0.07	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C-SIM	BENZO(GHI)PERYLENE		UJ	0.25	1	0.24	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	0.2	1	0.1	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C-SIM	CHRYSENE		UJ	0.2	1	0.06	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C-SIM	DIBENZO(A,H)ANTHRACENE		UJ	0.2	1	0.14	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C-SIM	FLUORANTHENE		UJ	0.2	1	0.065	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C-SIM	FLUORENE		UJ	0.2	1	0.12	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C-SIM	INDENO(1,2,3-CD)PYRENE		UJ	0.2	1	0.19	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C-SIM	NAPHTHALENE		UJ	0.2	1	0.1	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C-SIM	NITROBENZENE-D5	52		0	1		%
2-GW40DS-03	19-Aug-03	L0308385-10	8270C-SIM	PHENANTHRENE		UJ	0.2	1	0.088	ug/l
2-GW40DS-03	19-Aug-03	L0308385-10	8270C-SIM	PYRENE		UJ	0.2	1	0.068	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	9038	SULFATE		UJ	20	1	2.6	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	9060	TOTAL ORGANIC CARBON	62	J	5	1	0.43	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	9251	CHLORIDE	7100	J	100	1	0.35	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	2320B	ALKALINITY, TOTAL	1800	J	5	1	1	mg CaCO3/L
2-GW41DS-03	21-Aug-03	L0308385-09	2540C	SOLIDS, TOTAL DISSOLVED	12000	J	20	1	5.7	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	2540D	SOLIDS, TOTAL SUSPENDED	64	J	10	1	10	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	5220D	CHEMICAL OXYGEN DEMAND	340	J	20	1	4.2	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	ALUMINUM, DISSOLVED		UJ	0.5	1	0.087	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	ALUMINUM, TOTAL	0.35	J	0.5	1	0.087	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	ANTIMONY, DISSOLVED		UJ	0.05	1	0.01	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	ANTIMONY, TOTAL		UJ	0.05	1	0.01	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	ARSENIC, DISSOLVED		UJ	0.02	1	0.017	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	ARSENIC, TOTAL		UJ	0.02	1	0.017	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	BARIUM, DISSOLVED	0.048	J	0.05	1	0.002	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	BARIUM, TOTAL	0.042	J	0.05	1	0.002	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	BERYLLIUM, DISSOLVED		UJ	0.01	1	0.003	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	BERYLLIUM, TOTAL		UJ	0.01	1	0.003	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	CADMIUM, DISSOLVED		UJ	0.01	1	0.002	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	CADMIUM, TOTAL		UJ	0.01	1	0.002	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	CALCIUM, DISSOLVED	130	J	0.5	1	0.05	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	CALCIUM, TOTAL	130	J	0.5	1	0.05	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	CHROMIUM, DISSOLVED	0.0089	J	0.05	1	0.004	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	CHROMIUM, TOTAL	0.01	J	0.05	1	0.004	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	COBALT, DISSOLVED		UJ	0.05	1	0.0025	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	COBALT, TOTAL		UJ	0.05	1	0.0025	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	COPPER, DISSOLVED		UJ	0.05	1	0.009	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	COPPER, TOTAL		UJ	0.05	1	0.009	mg/l

DATA SUMMARY TABLE
ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	HARDNESS	2000	J	8.3	1	0.28	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	IRON, DISSOLVED	0.93	J	0.25	1	0.072	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	IRON, TOTAL	1.6	J	0.25	1	0.072	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	LEAD, DISSOLVED		UJ	0.025	1	0.024	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	LEAD, TOTAL		UJ	0.025	1	0.024	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	MAGNESIUM, DISSOLVED	370	J	0.5	1	0.038	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	MAGNESIUM, TOTAL	390	J	0.5	1	0.038	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	MANGANESE, DISSOLVED	0.2	J	0.05	1	0.0025	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	MANGANESE, TOTAL	0.15	J	0.05	1	0.0025	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	MOLYBDENUM, DISSOLVED		UJ	0.05	1	0.0065	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	MOLYBDENUM, TOTAL		UJ	0.05	1	0.0065	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	NICKEL, DISSOLVED		UJ	0.05	1	0.009	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	NICKEL, TOTAL		UJ	0.05	1	0.009	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	POTASSIUM, DISSOLVED	120	J	100	1	0.1	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	POTASSIUM, TOTAL	130	J	100	1	0.1	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	SELENIUM, DISSOLVED		UJ	0.05	1	0.0125	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	SELENIUM, TOTAL		UJ	0.05	1	0.0125	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	SILVER, DISSOLVED		UJ	0.035	1	0.0035	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	SILVER, TOTAL		UJ	0.035	1	0.0035	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	SODIUM, DISSOLVED	3200	J	100	1	0.055	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	SODIUM, TOTAL	3400	J	100	1	0.055	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	THALLIUM, DISSOLVED		UJ	0.05	1	0.0175	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	THALLIUM, TOTAL		UJ	0.05	1	0.0175	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	VANADIUM, DISSOLVED	0.0072	J	0.05	1	0.004	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	VANADIUM, TOTAL	0.0076	J	0.05	1	0.004	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	ZINC, DISSOLVED		UJ	0.25	1	0.011	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	6010B	ZINC, TOTAL		UJ	0.25	1	0.011	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	7470A	MERCURY, DISSOLVED		UJ	0.0002	1	0.000012	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	7470A	MERCURY, TOTAL		UJ	0.0002	1	0.000012	mg/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	1,2,4-TRICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	1,2-DICHLOROBENZENE		UJ	5	1	1.3	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	1,3-DICHLOROBENZENE		UJ	5	1	1.1	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	1,4-DICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	2,4,5-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	2,4,6-TRIBROMOPHENOL	85		0	1		%
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	2,4,6-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	2,4-DICHLOROPHENOL		UJ	10	1	3.2	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	2,4-DIMETHYLPHENOL		UJ	10	1	3.5	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	2,4-DINITROPHENOL		UJ	20	1	2.3	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	2,4-DINITROTOLUENE		UJ	6	1	1.4	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	2,6-DINITROTOLUENE		UJ	5	1	1.5	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	2-CHLOROPHENOL		UJ	6	1	3.2	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	2-FLUOROBIPHENYL	68		0	1		%
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	2-FLUOROPHENOL	27		0	1		%
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	2-METHYLPHENOL		UJ	6	1	3.1	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	2-NITROANILINE		UJ	5	1	3.5	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	2-NITROPHENOL		UJ	20	1	3	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	3,3'-DICHLOROBENZIDINE		UJ	50	1	5.2	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	3-METHYLPHENOL/4-METHYLPHENOL		UJ	6	1	2.8	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	3-NITROANILINE		UJ	5	1	3.7	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	4,6-DINITRO-O-CRESOL		UJ	20	1	2.3	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	4-BROMOPHENYL PHENYL ETHER		UJ	5	1	1.7	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	4-CHLOROANILINE		UJ	5	1	4.6	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	4-CHLOROPHENYL PHENYL ETHER		UJ	5	1	1.5	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	4-NITROANILINE		UJ	7	1	2.7	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	4-NITROPHENOL		UJ	10	1	1.9	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	4-TERPHENYL-D14	104		0	1		%
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	BIS(2-CHLOROETHOXY)METHANE		UJ	5	1	1.7	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	BIS(2-CHLOROETHYL)ETHER		UJ	5	1	1.8	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	BIS(2-CHLOROISOPROPYL)ETHER		UJ	5	1	2.3	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	BIS(2-ETHYLHEXYL)PHTHALATE	3.9	J	10	1	2.1	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	BUTYL BENZYL PHTHALATE		UJ	5	1	2.2	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	CARBAZOLE		UJ	5	1	1.8	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	DIBENZOFURAN		UJ	5	1	3	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	DIETHYL PHTHALATE		UJ	5	1	4.9	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	DIMETHYL PHTHALATE		UJ	5	1	1.6	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	DI-N-BUTYLPHTHALATE		UJ	5	1	1.9	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	DI-N-OCTYLPHTHALATE		UJ	5	1	1.8	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	HEXACHLOROBENZENE		UJ	5	1	1.6	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	HEXACHLOROBUTADIENE		UJ	10	1	1.2	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	HEXACHLOROETHANE		UJ	5	1	1	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	ISOPHORONE		UJ	5	1	1.8	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	NITROBENZENE		UJ	5	1	1.8	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	NITROBENZENE-D5	53		0	1		%
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		UJ	15	1	1.9	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	N-NITROSODI-N-PROPYLAMINE		UJ	5	1	1.8	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	P-CHLORO-M-CRESOL		UJ	5	1	3.3	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	PENTACHLOROPHENOL		UJ	20	1	3.1	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	PHENOL		UJ	7	1	1.8	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C	PHENOL-D6	23		0	1		%
2-GW41DS-03	21-Aug-03	L0308385-09	8270C-SIM	2-CHLORONAPHTHALENE		UJ	0.2	1	0.083	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C-SIM	2-FLUOROBIPHENYL	63		0	1		%
2-GW41DS-03	21-Aug-03	L0308385-09	8270C-SIM	2-METHYLNAPHTHALENE		UJ	0.2	1	0.19	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C-SIM	4-TERPHENYL-D14	94		0	1		%

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW41DS-03	21-Aug-03	L0308385-09	8270C-SIM	ACENAPHTHENE		UJ	0.2	1	0.094	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C-SIM	ACENAPHTHYLENE		UJ	0.2	1	0.091	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C-SIM	ANTHRACENE		UJ	0.2	1	0.062	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C-SIM	BENZO(A)ANTHRACENE		UJ	0.2	1	0.061	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C-SIM	BENZO(A)PYRENE		UJ	0.2	1	0.085	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C-SIM	BENZO(B)FLUORANTHENE		UJ	0.2	1	0.07	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C-SIM	BENZO(GHI)PERYLENE		UJ	0.25	1	0.24	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	0.2	1	0.1	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C-SIM	CHRYSENE		UJ	0.2	1	0.06	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C-SIM	DIBENZO(A,H)ANTHRACENE		UJ	0.2	1	0.14	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C-SIM	FLUORANTHENE		UJ	0.2	1	0.065	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C-SIM	FLUORENE		UJ	0.2	1	0.12	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C-SIM	INDENO(1,2,3-CD)PYRENE		UJ	0.2	1	0.19	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C-SIM	NAPHTHALENE		UJ	0.2	1	0.1	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C-SIM	NITROBENZENE-D5	57		0	1		%
2-GW41DS-03	21-Aug-03	L0308385-09	8270C-SIM	PHENANTHRENE		UJ	0.2	1	0.088	ug/l
2-GW41DS-03	21-Aug-03	L0308385-09	8270C-SIM	PYRENE		UJ	0.2	1	0.068	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	9038	SULFATE	83	J	50	1	6.4	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	9038	SULFATE	110		50	1	6.4	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	9060	TOTAL ORGANIC CARBON	23	J	5	1	0.43	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	9060	TOTAL ORGANIC CARBON	20		5	1	0.43	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	9251	CHLORIDE	2700	J	100	1	35	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	9251	CHLORIDE	4900		200	1	0.35	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	2320B	ALKALINITY, TOTAL	860	J	4	1	0.8	mg CaCO3/L
2-GW42DS-03	18-Aug-03	L0308246-05	2320B	ALKALINITY, TOTAL	120		4	1	0.8	mg CaCO3/L
2-GW42DS-03	18-Aug-03	L0308385-06	2540C	SOLIDS, TOTAL DISSOLVED	8300	J	20	1	5.7	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	2540C	SOLIDS, TOTAL DISSOLVED	8000		20	1	5.7	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	2540D	SOLIDS, TOTAL SUSPENDED	40	J	5	1	5	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	2540D	SOLIDS, TOTAL SUSPENDED	41		10	1	10	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	5220D	CHEMICAL OXYGEN DEMAND	95	J	20	1	4.2	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	5220D	CHEMICAL OXYGEN DEMAND	560		20	1	4.2	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	ALUMINUM, DISSOLVED	0.28	J	0.5	1	0.087	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	ALUMINUM, TOTAL		UJ	0.5	1	0.087	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	ANTIMONY, DISSOLVED		UJ	0.05	1	0.01	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	ANTIMONY, TOTAL		UJ	0.05	1	0.01	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	ARSENIC, DISSOLVED	0.0186	J	0.02	1	0.017	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	ARSENIC, TOTAL		UJ	0.02	1	0.017	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	BARIUM, DISSOLVED	0.08	J	0.05	1	0.002	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	BARIUM, TOTAL	0.043	J	0.05	1	0.002	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	BERYLLIUM, DISSOLVED		UJ	0.01	1	0.003	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	BERYLLIUM, TOTAL		UJ	0.01	1	0.003	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	CADMIUM, DISSOLVED		UJ	0.01	1	0.002	mg/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	CADMIUM, TOTAL		UJ	0.01	1	0.002	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	CALCIUM, DISSOLVED	240	J	0.5	1	0.05	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	CALCIUM, TOTAL	97	J	0.5	1	0.05	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	CHROMIUM, DISSOLVED	0.0056	J	0.05	1	0.004	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	CHROMIUM, TOTAL		UJ	0.05	1	0.004	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	COBALT, DISSOLVED		UJ	0.05	1	0.0025	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	COBALT, TOTAL		UJ	0.05	1	0.0025	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	COPPER, DISSOLVED		UJ	0.05	1	0.009	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	COPPER, TOTAL		UJ	0.05	1	0.009	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	HARDNESS	860	J	8.3	1	0.28	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	IRON, DISSOLVED	0.87	J	0.25	1	0.072	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	IRON, TOTAL	10	J	0.25	1	0.072	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	LEAD, DISSOLVED		UJ	0.025	1	0.024	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	LEAD, TOTAL		UJ	0.025	1	0.024	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	MAGNESIUM, DISSOLVED	750	J	0.5	1	0.038	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	MAGNESIUM, TOTAL	160	J	0.5	1	0.038	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	MANGANESE, DISSOLVED	0.06	J	0.05	1	0.0025	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	MANGANESE, TOTAL	0.43	J	0.05	1	0.0025	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	MOLYBDENUM, DISSOLVED		UJ	0.05	1	0.0065	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	MOLYBDENUM, TOTAL		UJ	0.05	1	0.0065	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	NICKEL, DISSOLVED		UJ	0.05	1	0.009	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	NICKEL, TOTAL		UJ	0.05	1	0.009	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	POTASSIUM, DISSOLVED	270	J	100	1	0.1	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	POTASSIUM, TOTAL	65	J	5	1	0.1	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	SELENIUM, DISSOLVED		UJ	0.05	1	0.0125	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	SELENIUM, TOTAL		UJ	0.05	1	0.0125	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	SILVER, DISSOLVED	0.0037	J	0.035	1	0.0035	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	SILVER, TOTAL		UJ	0.035	1	0.0035	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	SODIUM, DISSOLVED	7100	J	100	1	0.055	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	SODIUM, TOTAL	1300	J	5	1	0.055	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	THALLIUM, DISSOLVED		UJ	0.05	1	0.0175	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	THALLIUM, TOTAL		UJ	0.05	1	0.0175	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	VANADIUM, DISSOLVED		UJ	0.05	1	0.004	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	VANADIUM, TOTAL		UJ	0.05	1	0.004	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	ZINC, DISSOLVED	0.014	J	0.25	1	0.011	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	6010B	ZINC, TOTAL	0.031	J	0.25	1	0.011	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	HARDNESS	1900		17	1	0.56	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	ALUMINUM, TOTAL	0.084	J	0.1	1	0.017	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	ANTIMONY, TOTAL		U	0.05	1	0.002	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	ARSENIC, TOTAL	0.004		0.004	1	0.0034	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	BARIUM, TOTAL	0.05		0.01	1	0.0004	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	BERYLLIUM, TOTAL		U	0.002	1	0.0006	mg/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	CADMIUM, TOTAL		U	0.002	1	0.0004	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	CALCIUM, TOTAL	120		0.1	1	0.0099	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	CHROMIUM, TOTAL	0.0039	J	0.01	1	0.0008	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	COBALT, TOTAL	0.0011	U	0.02	1	0.0005	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	COPPER, TOTAL		U	0.01	1	0.0018	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	IRON, TOTAL	2.4		0.05	1	0.014	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	LEAD, TOTAL		U	0.005	1	0.0048	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	MAGNESIUM, TOTAL	380		1	1	0.075	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	MANGANESE, TOTAL	0.11		0.01	1	0.0005	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	MOLYBDENUM, TOTAL		U	0.05	1	0.0013	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	NICKEL, TOTAL	0.00377	J	0.025	1	0.0018	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	POTASSIUM, TOTAL	140		20	1	0.1	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	SELENIUM, TOTAL		U	0.01	1	0.0025	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	SILVER, TOTAL		U	0.007	1	0.0007	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	SODIUM, TOTAL	3400		20	1	0.055	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	THALLIUM, TOTAL		U	0.01	1	0.0035	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	VANADIUM, TOTAL	0.0022	U	0.01	1	0.0008	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	ZINC, TOTAL	0.0056	U	0.05	1	0.0022	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	ALUMINUM, DISSOLVED		U	0.1	1	0.017	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	ANTIMONY, DISSOLVED		U	0.05	1	0.002	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	ARSENIC, DISSOLVED	0.013		0.004	1	0.0034	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	BARIUM, DISSOLVED	0.07		0.01	1	0.0004	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	BERYLLIUM, DISSOLVED		U	0.002	1	0.0006	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	CADMIUM, DISSOLVED		U	0.002	1	0.0004	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	CALCIUM, DISSOLVED	180		0.1	1	0.0099	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	CHROMIUM, DISSOLVED	0.005	J	0.01	1	0.0008	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	COBALT, DISSOLVED	0.00079	U	0.02	1	0.0005	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	COPPER, DISSOLVED		U	0.01	1	0.0018	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	IRON, DISSOLVED	0.12		0.05	1	0.014	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	LEAD, DISSOLVED		U	0.005	1	0.0048	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	MAGNESIUM, DISSOLVED	840		2	1	0.0099	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	MANGANESE, DISSOLVED	0.05		0.01	1	0.0005	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	MOLYBDENUM, DISSOLVED		U	0.05	1	0.0013	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	NICKEL, DISSOLVED		U	0.025	1	0.0018	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	POTASSIUM, DISSOLVED	320		20	1	0.1	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	SELENIUM, DISSOLVED		U	0.01	1	0.0025	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	SILVER, DISSOLVED	0.00124	U	0.007	1	0.0007	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	SODIUM, DISSOLVED	7700		20	1	0.055	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	THALLIUM, DISSOLVED		U	0.01	1	0.0035	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	VANADIUM, DISSOLVED	0.0034	U	0.01	1	0.0008	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	6010B	ZINC, DISSOLVED		U	0.05	1	0.0022	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	7470A	MERCURY, DISSOLVED		UJ	0.0002	1	0.000012	mg/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW42DS-03	18-Aug-03	L0308385-06	7470A	MERCURY, TOTAL		UJ	0.0002	1	0.000012	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	7470A	MERCURY, TOTAL		U	0.0002	1	0.000012	mg/l
2-GW42DS-03	18-Aug-03	L0308246-05	7470A	MERCURY, DISSOLVED		U	0.0002	1	0.000012	mg/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	1,2,4-TRICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	1,2-DICHLOROBENZENE		UJ	5	1	1.3	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	1,3-DICHLOROBENZENE		UJ	5	1	1.1	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	1,4-DICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	2,4,5-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	2,4,6-TRIBROMOPHENOL	76		0	1		%
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	2,4,6-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	2,4-DICHLOROPHENOL		UJ	10	1	3.2	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	2,4-DIMETHYLPHENOL		UJ	10	1	3.5	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	2,4-DINITROPHENOL		UJ	20	1	2.3	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	2,4-DINITROTOLUENE		UJ	6	1	1.4	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	2,6-DINITROTOLUENE		UJ	5	1	1.5	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	2-CHLOROPHENOL		UJ	6	1	3.2	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	2-FLUOROBIPHENYL	55		0	1		%
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	2-FLUOROPHENOL	16		0	1		%
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	2-METHYLPHENOL		UJ	6	1	3.1	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	2-NITROANILINE		UJ	5	1	3.5	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	2-NITROPHENOL		UJ	20	1	3	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	3,3'-DICHLOROBENZIDINE		UJ	50	1	5.2	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	3-METHYLPHENOL/4-METHYLPHENOL		UJ	6	1	2.8	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	3-NITROANILINE		UJ	5	1	3.7	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	4,6-DINITRO-O-CRESOL		UJ	20	1	2.3	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	4-BROMOPHENYL PHENYL ETHER		UJ	5	1	1.7	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	4-CHLOROANILINE		UJ	5	1	4.6	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	4-CHLOROPHENYL PHENYL ETHER		UJ	5	1	1.5	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	4-NITROANILINE		UJ	7	1	2.7	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	4-NITROPHENOL		UJ	10	1	1.9	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	4-TERPHENYL-D14	97		0	1		%
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	BIS(2-CHLOROETHOXY)METHANE		UJ	5	1	1.7	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	BIS(2-CHLOROETHYL)ETHER		UJ	5	1	1.8	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	BIS(2-CHLOROISOPROPYL)ETHER		UJ	5	1	2.3	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	BIS(2-ETHYLHEXYL)PHTHALATE	3.7	J	10	1	2.1	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	BUTYL BENZYL PHTHALATE		UJ	5	1	2.2	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	CARBAZOLE		UJ	5	1	1.8	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	DIBENZOFURAN		UJ	5	1	3	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	DIETHYL PHTHALATE		UJ	5	1	4.9	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	DIMETHYL PHTHALATE		UJ	5	1	1.6	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	DI-N-BUTYLPHTHALATE		UJ	5	1	1.9	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	DI-N-OCTYLPHTHALATE		UJ	5	1	1.8	ug/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	HEXACHLOROBENZENE		UJ	5	1	1.6	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	HEXACHLOROBUTADIENE		UJ	10	1	1.2	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	HEXACHLOROETHANE		UJ	5	1	1	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	ISOPHORONE		UJ	5	1	1.8	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	NITROBENZENE		UJ	5	1	1.8	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	NITROBENZENE-D5	31		0	1		%
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		UJ	15	1	1.9	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	N-NITROSODI-N-PROPYLAMINE		UJ	5	1	1.8	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	P-CHLORO-M-CRESOL		UJ	5	1	3.3	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	PENTACHLOROPHENOL		UJ	20	1	3.1	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	PHENOL		UJ	7	1	1.8	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C	PHENOL-D6	13		0	1		%
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	1,2,4-TRICHLOROBENZENE		U	5	1	1.2	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	HEXACHLOROBENZENE		UJ	5	1	1.6	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	BIS(2-CHLOROETHYL)ETHER		U	5	1	1.8	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	1,2-DICHLOROBENZENE		U	5	1	1.3	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	1,3-DICHLOROBENZENE		U	5	1	1.1	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	1,4-DICHLOROBENZENE		U	5	1	1.2	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	3,3'-DICHLOROBENZIDINE		UJ	50	1	5.2	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	2,4-DINITROTOLUENE		U	6	1	1.4	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	2,6-DINITROTOLUENE		U	5	1	1.5	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	4-CHLOROPHENYL PHENYL ETHER		U	5	1	1.5	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	4-BROMOPHENYL PHENYL ETHER		UJ	5	1	1.7	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	5	1	2.3	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	BIS(2-CHLOROETHOXY)METHANE		UJ	5	1	1.7	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	HEXACHLOROBUTADIENE		UJ	10	1	1.2	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	HEXACHLOROETHANE		U	5	1	1	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	ISOPHORONE		U	5	1	1.8	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	NITROBENZENE		UJ	5	1	1.8	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	15	1	1.9	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	N-NITROSODI-N-PROPYLAMINE		U	5	1	1.8	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	BIS(2-ETHYLHEXYL)PHTHALATE	3.7	J	10	1	2.1	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	BUTYL BENZYL PHTHALATE		U	5	1	2.2	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	DI-N-BUTYLPHTHALATE		U	5	1	1.9	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	DI-N-OCTYLPHTHALATE		U	5	1	1.8	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	DIETHYL PHTHALATE		U	5	1	4.9	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	DIMETHYL PHTHALATE		U	5	1	1.6	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	4-CHLOROANILINE		UJ	5	1	4.6	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	2-NITROANILINE		U	5	1	3.5	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	3-NITROANILINE		U	5	1	3.7	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	4-NITROANILINE		U	7	1	2.7	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	DIBENZOFURAN		U	5	1	3	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	2,4,6-TRICHLOROPHENOL		U	5	1	3.5	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	P-CHLORO-M-CRESOL		U	5	1	3.3	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	2-CHLOROPHENOL		U	6	1	3.2	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	2,4-DICHLOROPHENOL		UJ	10	1	3.2	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	2,4-DIMETHYLPHENOL		R	10	1	3.5	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	2-NITROPHENOL		U	20	1	3	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	4-NITROPHENOL		U	10	1	1.9	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	2,4-DINITROPHENOL		U	20	1	2.3	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	4,6-DINITRO-O-CRESOL		U	20	1	2.3	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	PENTACHLOROPHENOL		U	20	1	3.1	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	PHENOL		UJ	7	1	1.8	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	2-METHYLPHENOL		UJ	6	1	3.1	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	3-METHYLPHENOL/4-METHYLPHENOL		UJ	6	1	2.8	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	2,4,5-TRICHLOROPHENOL		U	5	1	3.5	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	CARBAZOLE		U	5	1	1.8	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	2-FLUOROPHENOL	16		0	1		%
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	PHENOL-D6	18		0	1		%
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	NITROBENZENE-D5	34		0	1		%
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	2-FLUOROBIPHENYL	60		0	1		%
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	2,4,6-TRIBROMOPHENOL	83		0	1		%
2-GW42DS-03	18-Aug-03	L0308246-05	8270C	4-TERPHENYL-D14	99		0	1		%
2-GW42DS-03	18-Aug-03	L0308385-06	8270C-SIM	2-CHLORONAPHTHALENE		UJ	0.2	1	0.083	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C-SIM	2-FLUOROBIPHENYL	53		0	1		%
2-GW42DS-03	18-Aug-03	L0308385-06	8270C-SIM	2-METHYLNAPHTHALENE		UJ	0.2	1	0.19	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C-SIM	4-TERPHENYL-D14	87		0	1		%
2-GW42DS-03	18-Aug-03	L0308385-06	8270C-SIM	ACENAPHTHENE	0.38	J	0.2	1	0.094	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C-SIM	ACENAPHTHYLENE		UJ	0.2	1	0.091	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C-SIM	ANTHRACENE		UJ	0.2	1	0.062	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C-SIM	BENZO(A)ANTHRACENE		UJ	0.2	1	0.061	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C-SIM	BENZO(A)PYRENE		UJ	0.2	1	0.085	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C-SIM	BENZO(B)FLUORANTHENE		UJ	0.2	1	0.07	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C-SIM	BENZO(GHI)PERYLENE		UJ	0.25	1	0.24	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	0.2	1	0.1	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C-SIM	CHRYSENE		UJ	0.2	1	0.06	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C-SIM	DIBENZO(A,H)ANTHRACENE	0	UJ	0.2	1	0.14	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C-SIM	FLUORANTHENE		UJ	0.2	1	0.065	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C-SIM	FLUORENE		UJ	0.2	1	0.12	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C-SIM	INDENO(1,2,3-CD)PYRENE		UJ	0.2	1	0.19	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C-SIM	NAPHTHALENE		UJ	0.2	1	0.1	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C-SIM	NITROBENZENE-D5	38		0	1		%
2-GW42DS-03	18-Aug-03	L0308385-06	8270C-SIM	PHENANTHRENE		UJ	0.2	1	0.088	ug/l
2-GW42DS-03	18-Aug-03	L0308385-06	8270C-SIM	PYRENE		UJ	0.2	1	0.068	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW42DS-03	18-Aug-03	L0308246-05	8270C-SIM	ACENAPHTHENE		U	0.2	1	0.094	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C-SIM	2-CHLORONAPHTHALENE		UJ	0.2	1	0.083	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C-SIM	FLUORANTHENE		U	0.2	1	0.065	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C-SIM	NAPHTHALENE		UJ	0.2	1	0.1	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C-SIM	BENZO(A)ANTHRACENE		U	0.2	1	0.061	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C-SIM	BENZO(A)PYRENE		U	0.2	1	0.085	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C-SIM	BENZO(B)FLUORANTHENE		U	0.2	1	0.07	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C-SIM	BENZO(K)FLUORANTHENE		U	0.2	1	0.1	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C-SIM	CHRYSENE		U	0.2	1	0.06	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C-SIM	ACENAPHTHYLENE		UJ	0.2	1	0.091	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C-SIM	ANTHRACENE		U	0.2	1	0.062	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C-SIM	BENZO(GHI)PERYLENE		U	0.25	1	0.24	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C-SIM	FLUORENE		U	0.2	1	0.12	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C-SIM	PHENANTHRENE		U	0.2	1	0.088	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C-SIM	DIBENZO(A,H)ANTHRACENE		U	0.2	1	0.14	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	0.2	1	0.19	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C-SIM	PYRENE		U	0.2	1	0.068	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C-SIM	2-METHYLNAPHTHALENE		UJ	0.2	1	0.19	ug/l
2-GW42DS-03	18-Aug-03	L0308246-05	8270C-SIM	NITROBENZENE-D5	40		0	1		%
2-GW42DS-03	18-Aug-03	L0308246-05	8270C-SIM	2-FLUOROBIPHENYL	56		0	1		%
2-GW42DS-03	18-Aug-03	L0308246-05	8270C-SIM	4-TERPHENYL-D14	92		0	1		%
2-GW43DS-03	18-Aug-03	L0308246-01	9038	SULFATE	350		100	1	13	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	9060	TOTAL ORGANIC CARBON	37		5	1	0.43	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	9251	CHLORIDE	10000		500	1	0.35	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	2320B	ALKALINITY, TOTAL	2000		5	1	1	mg CaCO3/L
2-GW43DS-03	18-Aug-03	L0308246-01	2540C	SOLIDS, TOTAL DISSOLVED	19000		20	1	5.7	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	2540D	SOLIDS, TOTAL SUSPENDED	36		5	1	5	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	5220D	CHEMICAL OXYGEN DEMAND	1000		20	1	4.2	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	HARDNESS	3800		17	1	0.56	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	ALUMINUM, TOTAL	0.066	J	0.1	1	0.017	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	ANTIMONY, TOTAL		U	0.05	1	0.002	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	ARSENIC, TOTAL	0.006		0.004	1	0.0034	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	BARIUM, TOTAL	0.1		0.01	1	0.0004	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	BERYLLIUM, TOTAL		U	0.002	1	0.0006	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	CADMIUM, TOTAL		U	0.002	1	0.0004	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	CALCIUM, TOTAL	180		0.1	1	0.0099	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	CHROMIUM, TOTAL	0.0059	J	0.01	1	0.0008	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	COBALT, TOTAL	0.0014	U	0.02	1	0.0005	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	COPPER, TOTAL		U	0.01	1	0.0018	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	IRON, TOTAL	0.44	J	0.05	1	0.014	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	LEAD, TOTAL		U	0.005	1	0.0048	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	MAGNESIUM, TOTAL	770		1	1	0.075	mg/l

DATA SUMMARY TABLE
ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	MANGANESE, TOTAL	0.04	J	0.01	1	0.0005	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	MOLYBDENUM, TOTAL	0.0046	J	0.05	1	0.0013	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	NICKEL, TOTAL	0.00208	J	0.025	1	0.0018	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	POTASSIUM, TOTAL	220		20	1	0.1	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	SELENIUM, TOTAL		U	0.01	1	0.0025	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	SILVER, TOTAL		U	0.007	1	0.0007	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	SODIUM, TOTAL	6000		20	1	0.055	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	THALLIUM, TOTAL		U	0.01	1	0.0035	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	VANADIUM, TOTAL	0.0051	J	0.01	1	0.0008	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	ZINC, TOTAL	0.0064	J	0.05	1	0.0022	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	ALUMINUM, DISSOLVED	0.017	J	0.1	1	0.017	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	ANTIMONY, DISSOLVED	0.00367	U	0.05	1	0.002	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	ARSENIC, DISSOLVED	0.006		0.004	1	0.0034	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	BARIUM, DISSOLVED	0.09		0.01	1	0.0004	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	BERYLLIUM, DISSOLVED		U	0.002	1	0.0006	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	CADMIUM, DISSOLVED	0.00045	U	0.002	1	0.0004	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	CALCIUM, DISSOLVED	190		0.1	1	0.0099	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	CHROMIUM, DISSOLVED	0.0066	J	0.01	1	0.0008	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	COBALT, DISSOLVED	0.0014	U	0.02	1	0.0005	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	COPPER, DISSOLVED		U	0.01	1	0.0018	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	IRON, DISSOLVED	0.23	J	0.05	1	0.014	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	LEAD, DISSOLVED		U	0.005	1	0.0048	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	MAGNESIUM, DISSOLVED	830	J	2	1	0.0099	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	MANGANESE, DISSOLVED	0.04		0.01	1	0.0005	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	MOLYBDENUM, DISSOLVED	0.0024	J	0.05	1	0.0013	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	NICKEL, DISSOLVED	0.00258	J	0.025	1	0.0018	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	POTASSIUM, DISSOLVED	230		20	1	0.1	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	SELENIUM, DISSOLVED		U	0.01	1	0.0025	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	SILVER, DISSOLVED	0.00159	U	0.007	1	0.0007	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	SODIUM, DISSOLVED	6200		20	1	0.055	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	THALLIUM, DISSOLVED	0.00536	J	0.01	1	0.0035	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	VANADIUM, DISSOLVED	0.0048	U	0.01	1	0.0008	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	6010B	ZINC, DISSOLVED	0.0072	J	0.05	1	0.0022	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	7470A	MERCURY, TOTAL		U	0.0002	1	0.000012	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	7470A	MERCURY, DISSOLVED		U	0.0002	1	0.000012	mg/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	4-CHLOROPHENYL PHENYL ETHER		U	5	1	1.5	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	4-BROMOPHENYL PHENYL ETHER		UJ	5	1	1.7	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	5	1	2.3	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	BIS(2-CHLOROETHOXY)METHANE		UJ	5	1	1.7	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	HEXACHLOROBUTADIENE		UJ	10	1	1.2	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	HEXACHLOROETHANE		U	5	1	1	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	ISOPHORONE		U	5	1	1.8	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	NITROBENZENE		UJ	5	1	1.8	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	15	1	1.9	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	N-NITROSODI-N-PROPYLAMINE		U	5	1	1.8	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	BIS(2-ETHYLHEXYL)PHTHALATE	3.9	J	10	1	2.1	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	BUTYL BENZYL PHTHALATE		U	5	1	2.2	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	DI-N-BUTYLPHTHALATE		U	5	1	1.9	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	DI-N-OCTYLPHTHALATE		U	5	1	1.8	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	DIETHYL PHTHALATE		U	5	1	4.9	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	DIMETHYL PHTHALATE		U	5	1	1.6	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	4-CHLOROANILINE		UJ	5	1	4.6	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	2-NITROANILINE		U	5	1	3.5	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	3-NITROANILINE		U	5	1	3.7	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	4-NITROANILINE		U	7	1	2.7	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	DIBENZOFURAN		U	5	1	3	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	2,4,6-TRICHLOROPHENOL		U	5	1	3.5	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	P-CHLORO-M-CRESOL		U	5	1	3.3	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	2-CHLOROPHENOL		U	6	1	3.2	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	2,4-DICHLOROPHENOL		UJ	10	1	3.2	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	2,4-DIMETHYLPHENOL		R	10	1	3.5	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	2-NITROPHENOL		U	20	1	3	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	4-NITROPHENOL		U	10	1	1.9	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	2,4-DINITROPHENOL		U	20	1	2.3	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	4,6-DINITRO-O-CRESOL		U	20	1	2.3	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	PENTACHLOROPHENOL		U	20	1	3.1	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	PHENOL		UJ	7	1	1.8	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	2-METHYLPHENOL		UJ	6	1	3.1	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	3-METHYLPHENOL/4-METHYLPHENOL		UJ	6	1	2.8	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	2,4,5-TRICHLOROPHENOL		U	5	1	3.5	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	CARBAZOLE		U	5	1	1.8	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	2-FLUOROPHENOL	17		0	1		%
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	PHENOL-D6	18		0	1		%
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	NITROBENZENE-D5	36		0	1		%
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	2-FLUOROBIPHENYL	69		0	1		%
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	2,4,6-TRIBROMOPHENOL	88		0	1		%
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	4-TERPHENYL-D14	104		0	1		%
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	1,2,4-TRICHLOROBENZENE		U	5	1	1.2	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	HEXACHLOROBENZENE		UJ	5	1	1.6	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	BIS(2-CHLOROETHYL)ETHER		U	5	1	1.8	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	1,2-DICHLOROBENZENE		U	5	1	1.3	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	1,3-DICHLOROBENZENE		U	5	1	1.1	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	1,4-DICHLOROBENZENE		U	5	1	1.2	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	3,3'-DICHLOROBENZIDINE		UJ	50	1	5.2	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	2,4-DINITROTOLUENE		U	6	1	1.4	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C	2,6-DINITROTOLUENE		U	5	1	1.5	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C-SIM	ACENAPHTHENE		U	0.2	1	0.094	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C-SIM	2-CHLORONAPHTHALENE		UJ	0.2	1	0.083	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C-SIM	FLUORANTHENE		U	0.2	1	0.065	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C-SIM	NAPHTHALENE		UJ	0.2	1	0.1	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C-SIM	BENZO(A)ANTHRACENE		U	0.2	1	0.061	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C-SIM	BENZO(A)PYRENE		U	0.2	1	0.085	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C-SIM	BENZO(B)FLUORANTHENE		U	0.2	1	0.07	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C-SIM	BENZO(K)FLUORANTHENE		U	0.2	1	0.1	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C-SIM	CHRYSENE		U	0.2	1	0.06	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C-SIM	ACENAPHTHYLENE		UJ	0.2	1	0.091	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C-SIM	ANTHRACENE		U	0.2	1	0.062	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C-SIM	BENZO(GHI)PERYLENE		U	0.25	1	0.24	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C-SIM	FLUORENE		U	0.2	1	0.12	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C-SIM	PHENANTHRENE		U	0.2	1	0.088	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C-SIM	DIBENZO(A,H)ANTHRACENE		U	0.2	1	0.14	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	0.2	1	0.19	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C-SIM	PYRENE		U	0.2	1	0.068	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C-SIM	2-METHYLNAPHTHALENE		UJ	0.2	1	0.19	ug/l
2-GW43DS-03	18-Aug-03	L0308246-01	8270C-SIM	NITROBENZENE-D5	41		0	1		%
2-GW43DS-03	18-Aug-03	L0308246-01	8270C-SIM	2-FLUOROBIPHENYL	62		0	1		%
2-GW43DS-03	18-Aug-03	L0308246-01	8270C-SIM	4-TERPHENYL-D14	92		0	1		%
2-GW44DS-03	19-Aug-03	L0308385-03	9038	SULFATE	35	J	20	1	2.6	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	9060	TOTAL ORGANIC CARBON	24	J	5	1	0.43	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	9251	CHLORIDE	10000	J	200	1	0.35	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	2320B	ALKALINITY, TOTAL	1700	J	5	1	1	mg CaCO3/L
2-GW44DS-03	19-Aug-03	L0308385-03	2540C	SOLIDS, TOTAL DISSOLVED	18000	J	100	1	28	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	2540D	SOLIDS, TOTAL SUSPENDED	60	J	10	1	10	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	5220D	CHEMICAL OXYGEN DEMAND	720	J	20	1	4.2	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	ALUMINUM, DISSOLVED	0.14	J	0.5	1	0.087	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	ALUMINUM, TOTAL	0.47	J	0.5	1	0.087	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	ANTIMONY, DISSOLVED		UJ	0.05	1	0.01	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	ANTIMONY, TOTAL		UJ	0.05	1	0.01	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	ARSENIC, DISSOLVED		UJ	0.02	1	0.017	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	ARSENIC, TOTAL		UJ	0.02	1	0.017	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	BARIUM, DISSOLVED	0.05	J	0.05	1	0.002	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	BARIUM, TOTAL	0.06	J	0.05	1	0.002	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	BERYLLIUM, DISSOLVED		UJ	0.01	1	0.003	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	BERYLLIUM, TOTAL		UJ	0.01	1	0.003	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	CADMIUM, DISSOLVED		UJ	0.01	1	0.002	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	CADMIUM, TOTAL		UJ	0.01	1	0.002	mg/l

DATA SUMMARY TABLE
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AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	CALCIUM, DISSOLVED	120	J	0.5	1	0.05	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	CALCIUM, TOTAL	140	J	0.5	1	0.05	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	CHROMIUM, DISSOLVED		UJ	0.05	1	0.004	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	CHROMIUM, TOTAL		UJ	0.05	1	0.004	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	COBALT, DISSOLVED		UJ	0.05	1	0.0025	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	COBALT, TOTAL		UJ	0.05	1	0.0025	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	COPPER, DISSOLVED		UJ	0.05	1	0.009	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	COPPER, TOTAL		UJ	0.05	1	0.009	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	HARDNESS	1800	J	8.3	1	0.28	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	IRON, DISSOLVED	3.8	J	0.25	1	0.072	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	IRON, TOTAL	12	J	0.25	1	0.072	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	LEAD, DISSOLVED		UJ	0.025	1	0.024	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	LEAD, TOTAL		UJ	0.025	1	0.024	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	MAGNESIUM, DISSOLVED	310	J	0.5	1	0.038	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	MAGNESIUM, TOTAL	360	J	0.5	1	0.038	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	MANGANESE, DISSOLVED	0.21	J	0.05	1	0.0025	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	MANGANESE, TOTAL	0.34	J	0.05	1	0.0025	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	MOLYBDENUM, DISSOLVED		UJ	0.05	1	0.0065	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	MOLYBDENUM, TOTAL		UJ	0.05	1	0.0065	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	NICKEL, DISSOLVED		UJ	0.05	1	0.009	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	NICKEL, TOTAL		UJ	0.05	1	0.009	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	POTASSIUM, DISSOLVED	100	J	100	1	0.1	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	POTASSIUM, TOTAL	110	J	100	1	0.1	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	SELENIUM, DISSOLVED		UJ	0.05	1	0.0125	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	SELENIUM, TOTAL		UJ	0.05	1	0.0125	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	SILVER, DISSOLVED		UJ	0.035	1	0.0035	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	SILVER, TOTAL		UJ	0.035	1	0.0035	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	SODIUM, DISSOLVED	2500	J	100	1	0.055	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	SODIUM, TOTAL	2900	J	100	1	0.055	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	THALLIUM, DISSOLVED		UJ	0.05	1	0.0175	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	THALLIUM, TOTAL		UJ	0.05	1	0.0175	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	VANADIUM, DISSOLVED		UJ	0.05	1	0.004	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	VANADIUM, TOTAL		UJ	0.05	1	0.004	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	ZINC, DISSOLVED		UJ	0.25	1	0.011	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	6010B	ZINC, TOTAL		UJ	0.25	1	0.011	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	7470A	MERCURY, DISSOLVED		UJ	0.0002	1	0.000012	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	7470A	MERCURY, TOTAL		UJ	0.0002	1	0.000012	mg/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	1,2,4-TRICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	1,2-DICHLOROBENZENE		UJ	5	1	1.3	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	1,3-DICHLOROBENZENE		UJ	5	1	1.1	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	1,4-DICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	2,4,5-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l

DATA SUMMARY TABLE
ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	2,4,6-TRIBROMOPHENOL	60		0	1		%
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	2,4,6-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	2,4-DICHLOROPHENOL		UJ	10	1	3.2	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	2,4-DIMETHYLPHENOL		UJ	10	1	3.5	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	2,4-DINITROPHENOL		UJ	20	1	2.3	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	2,4-DINITROTOLUENE		UJ	6	1	1.4	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	2,6-DINITROTOLUENE		UJ	5	1	1.5	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	2-CHLOROPHENOL		UJ	6	1	3.2	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	2-FLUOROBIPHENYL	45		0	1		%
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	2-FLUOROPHENOL	20		0	1		%
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	2-METHYLPHENOL		UJ	6	1	3.1	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	2-NITROANILINE		UJ	5	1	3.5	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	2-NITROPHENOL		UJ	20	1	3	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	3,3'-DICHLOROBENZIDINE		UJ	50	1	5.2	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	3-METHYLPHENOL/4-METHYLPHENOL		UJ	6	1	2.8	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	3-NITROANILINE		UJ	5	1	3.7	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	4,6-DINITRO-O-CRESOL		UJ	20	1	2.3	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	4-BROMOPHENYL PHENYL ETHER		UJ	5	1	1.7	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	4-CHLOROANILINE		UJ	5	1	4.6	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	4-CHLOROPHENYL PHENYL ETHER		UJ	5	1	1.5	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	4-NITROANILINE		UJ	7	1	2.7	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	4-NITROPHENOL		UJ	10	1	1.9	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	4-TERPHENYL-D14	80		0	1		%
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	BIS(2-CHLOROETHOXY)METHANE		UJ	5	1	1.7	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	BIS(2-CHLOROETHYL)ETHER		UJ	5	1	1.8	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	BIS(2-CHLOROISOPROPYL)ETHER		UJ	5	1	2.3	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	BIS(2-ETHYLHEXYL)PHTHALATE	3.7	J	10	1	2.1	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	BUTYL BENZYL PHTHALATE		UJ	5	1	2.2	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	CARBAZOLE		UJ	5	1	1.8	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	DIBENZOFURAN		UJ	5	1	3	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	DIETHYL PHTHALATE		UJ	5	1	4.9	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	DIMETHYL PHTHALATE		UJ	5	1	1.6	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	DI-N-BUTYLPHTHALATE		UJ	5	1	1.9	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	DI-N-OCTYLPHTHALATE		UJ	5	1	1.8	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	HEXACHLOROBENZENE		UJ	5	1	1.6	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	HEXACHLOROBUTADIENE		UJ	10	1	1.2	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	HEXACHLOROETHANE		UJ	5	1	1	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	ISOPHORONE		UJ	5	1	1.8	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	NITROBENZENE		UJ	5	1	1.8	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	NITROBENZENE-D5	34		0	1		%
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		UJ	15	1	1.9	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	N-NITROSODI-N-PROPYLAMINE		UJ	5	1	1.8	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	P-CHLORO-M-CRESOL		UJ	5	1	3.3	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	PENTACHLOROPHENOL		UJ	20	1	3.1	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	PHENOL		UJ	7	1	1.8	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C	PHENOL-D6	14		0	1		%
2-GW44DS-03	19-Aug-03	L0308385-03	8270C-SIM	2-CHLORONAPHTHALENE		UJ	0.2	1	0.083	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C-SIM	2-FLUOROBIPHENYL	39		0	1		%
2-GW44DS-03	19-Aug-03	L0308385-03	8270C-SIM	2-METHYLNAPHTHALENE		UJ	0.2	1	0.19	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C-SIM	4-TERPHENYL-D14	69		0	1		%
2-GW44DS-03	19-Aug-03	L0308385-03	8270C-SIM	ACENAPHTHENE		UJ	0.2	1	0.094	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C-SIM	ACENAPHTHYLENE		UJ	0.2	1	0.091	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C-SIM	ANTHRACENE		UJ	0.2	1	0.062	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C-SIM	BENZO(A)ANTHRACENE		UJ	0.2	1	0.061	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C-SIM	BENZO(A)PYRENE		UJ	0.2	1	0.085	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C-SIM	BENZO(B)FLUORANTHENE		UJ	0.2	1	0.07	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C-SIM	BENZO(GHI)PERYLENE		UJ	0.25	1	0.24	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	0.2	1	0.1	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C-SIM	CHRYSENE		UJ	0.2	1	0.06	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C-SIM	DIBENZO(A,H)ANTHRACENE		UJ	0.2	1	0.14	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C-SIM	FLUORANTHENE		UJ	0.2	1	0.065	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C-SIM	FLUORENE		UJ	0.2	1	0.12	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C-SIM	INDENO(1,2,3-CD)PYRENE		UJ	0.2	1	0.19	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C-SIM	NAPHTHALENE		UJ	0.2	1	0.1	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C-SIM	NITROBENZENE-D5	36		0	1		%
2-GW44DS-03	19-Aug-03	L0308385-03	8270C-SIM	PHENANTHRENE		UJ	0.2	1	0.088	ug/l
2-GW44DS-03	19-Aug-03	L0308385-03	8270C-SIM	PYRENE		UJ	0.2	1	0.068	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	9038	SULFATE	1.4	J	10	1	1.3	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	9060	TOTAL ORGANIC CARBON	24	J	2	1	0.17	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	9251	CHLORIDE	14000	J	500	1	0.35	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	2320B	ALKALINITY, TOTAL	2000	J	5	1	1	mg CaCO3/L
2-GW45DS-03	19-Aug-03	L0308385-02	2540C	SOLIDS, TOTAL DISSOLVED	23000	J	100	1	28	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	2540D	SOLIDS, TOTAL SUSPENDED	34	J	5	1	5	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	5220D	CHEMICAL OXYGEN DEMAND	860	J	40	1	8.3	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	ALUMINUM, DISSOLVED		UJ	0.5	1	0.087	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	ALUMINUM, TOTAL		UJ	0.5	1	0.087	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	ANTIMONY, DISSOLVED		UJ	0.05	1	0.01	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	ANTIMONY, TOTAL		UJ	0.05	1	0.01	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	ARSENIC, DISSOLVED		UJ	0.02	1	0.017	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	ARSENIC, TOTAL		UJ	0.02	1	0.017	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	BARIUM, DISSOLVED	0.05	J	0.05	1	0.002	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	BARIUM, TOTAL	0.1	J	0.05	1	0.002	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	BERYLLIUM, DISSOLVED		UJ	0.01	1	0.003	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	BERYLLIUM, TOTAL		UJ	0.01	1	0.003	mg/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	CADMIUM, DISSOLVED		UJ	0.01	1	0.002	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	CADMIUM, TOTAL		UJ	0.01	1	0.002	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	CALCIUM, DISSOLVED	130	J	0.5	1	0.05	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	CALCIUM, TOTAL	240	J	0.5	1	0.05	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	CHROMIUM, DISSOLVED		UJ	0.05	1	0.004	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	CHROMIUM, TOTAL	0.004	J	0.05	1	0.004	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	COBALT, DISSOLVED		UJ	0.05	1	0.0025	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	COBALT, TOTAL		UJ	0.05	1	0.0025	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	COPPER, DISSOLVED		UJ	0.05	1	0.009	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	COPPER, TOTAL		UJ	0.05	1	0.009	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	HARDNESS	3800	J	8.3	1	0.28	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	IRON, DISSOLVED		UJ	0.25	1	0.072	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	IRON, TOTAL	0.22	J	0.25	1	0.072	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	LEAD, DISSOLVED		UJ	0.025	1	0.024	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	LEAD, TOTAL		UJ	0.025	1	0.024	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	MAGNESIUM, DISSOLVED	420	J	0.5	1	0.038	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	MAGNESIUM, TOTAL	790	J	0.5	1	0.038	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	MANGANESE, DISSOLVED	0.026	J	0.05	1	0.0025	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	MANGANESE, TOTAL	0.016	J	0.05	1	0.0025	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	MOLYBDENUM, DISSOLVED		UJ	0.05	1	0.0065	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	MOLYBDENUM, TOTAL		UJ	0.05	1	0.0065	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	NICKEL, DISSOLVED		UJ	0.05	1	0.009	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	NICKEL, TOTAL		UJ	0.05	1	0.009	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	POTASSIUM, DISSOLVED	140	J	100	1	0.1	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	POTASSIUM, TOTAL	250	J	100	1	0.1	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	SELENIUM, DISSOLVED		UJ	0.05	1	0.0125	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	SELENIUM, TOTAL		UJ	0.05	1	0.0125	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	SILVER, DISSOLVED		UJ	0.035	1	0.0035	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	SILVER, TOTAL		UJ	0.035	1	0.0035	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	SODIUM, DISSOLVED	3600	J	100	1	0.055	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	SODIUM, TOTAL	6700	J	100	1	0.055	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	THALLIUM, DISSOLVED		UJ	0.05	1	0.0175	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	THALLIUM, TOTAL		UJ	0.05	1	0.0175	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	VANADIUM, DISSOLVED		UJ	0.05	1	0.004	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	VANADIUM, TOTAL		UJ	0.05	1	0.004	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	ZINC, DISSOLVED		UJ	0.25	1	0.011	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	6010B	ZINC, TOTAL		UJ	0.25	1	0.011	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	7470A	MERCURY, DISSOLVED		UJ	0.0002	1	0.000012	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	7470A	MERCURY, TOTAL		UJ	0.0002	1	0.000012	mg/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	1,2,4-TRICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	1,2-DICHLOROBENZENE		UJ	5	1	1.3	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	1,3-DICHLOROBENZENE		UJ	5	1	1.1	ug/l

DATA SUMMARY TABLE
ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	1,4-DICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	2,4,5-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	2,4,6-TRIBROMOPHENOL	85		0	1		%
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	2,4,6-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	2,4-DICHLOROPHENOL		UJ	10	1	3.2	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	2,4-DIMETHYLPHENOL		UJ	10	1	3.5	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	2,4-DINITROPHENOL		UJ	20	1	2.3	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	2,4-DINITROTOLUENE		UJ	6	1	1.4	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	2,6-DINITROTOLUENE		UJ	5	1	1.5	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	2-CHLOROPHENOL		UJ	6	1	3.2	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	2-FLUOROBIPHENYL	61		0	1		%
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	2-FLUOROPHENOL	27		0	1		%
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	2-METHYLPHENOL		UJ	6	1	3.1	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	2-NITROANILINE		UJ	5	1	3.5	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	2-NITROPHENOL		UJ	20	1	3	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	3,3'-DICHLOROBENZIDINE		UJ	50	1	5.2	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	3-METHYLPHENOL/4-METHYLPHENOL		UJ	6	1	2.8	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	3-NITROANILINE		UJ	5	1	3.7	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	4,6-DINITRO-O-CRESOL		UJ	20	1	2.3	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	4-BROMOPHENYL PHENYL ETHER		UJ	5	1	1.7	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	4-CHLOROANILINE		UJ	5	1	4.6	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	4-CHLOROPHENYL PHENYL ETHER		UJ	5	1	1.5	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	4-NITROANILINE		UJ	7	1	2.7	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	4-NITROPHENOL		UJ	10	1	1.9	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	4-TERPHENYL-D14	107		0	1		%
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	BIS(2-CHLOROETHOXY)METHANE		UJ	5	1	1.7	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	BIS(2-CHLOROETHYL)ETHER		UJ	5	1	1.8	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	BIS(2-CHLOROISOPROPYL)ETHER		UJ	5	1	2.3	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	BIS(2-ETHYLHEXYL)PHTHALATE	3.7	J	10	1	2.1	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	BUTYL BENZYL PHTHALATE		UJ	5	1	2.2	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	CARBAZOLE		UJ	5	1	1.8	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	DIBENZOFURAN		UJ	5	1	3	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	DIETHYL PHTHALATE		UJ	5	1	4.9	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	DIMETHYL PHTHALATE		UJ	5	1	1.6	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	DI-N-BUTYLPHTHALATE		UJ	5	1	1.9	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	DI-N-OCTYLPHTHALATE		UJ	5	1	1.8	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	HEXACHLOROBENZENE		UJ	5	1	1.6	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	HEXACHLOROBUTADIENE		UJ	10	1	1.2	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	HEXACHLOROETHANE		UJ	5	1	1	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	ISOPHORONE		UJ	5	1	1.8	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	NITROBENZENE		UJ	5	1	1.8	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	NITROBENZENE-D5	49		0	1		%

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		UJ	15	1	1.9	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	N-NITROSODI-N-PROPYLAMINE		UJ	5	1	1.8	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	P-CHLORO-M-CRESOL		UJ	5	1	3.3	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	PENTACHLOROPHENOL		UJ	20	1	3.1	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	PHENOL		UJ	7	1	1.8	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C	PHENOL-D6	19		0	1		%
2-GW45DS-03	19-Aug-03	L0308385-02	8270C-SIM	2-CHLORONAPHTHALENE		UJ	0.2	1	0.083	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C-SIM	2-FLUOROBIPHENYL	58		0	1		%
2-GW45DS-03	19-Aug-03	L0308385-02	8270C-SIM	2-METHYLNAPHTHALENE		UJ	0.2	1	0.19	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C-SIM	4-TERPHENYL-D14	98		0	1		%
2-GW45DS-03	19-Aug-03	L0308385-02	8270C-SIM	ACENAPHTHENE		UJ	0.2	1	0.094	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C-SIM	ACENAPHTHYLENE		UJ	0.2	1	0.091	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C-SIM	ANTHRACENE		UJ	0.2	1	0.062	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C-SIM	BENZO(A)ANTHRACENE		UJ	0.2	1	0.061	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C-SIM	BENZO(A)PYRENE		UJ	0.2	1	0.085	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C-SIM	BENZO(B)FLUORANTHENE		UJ	0.2	1	0.07	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C-SIM	BENZO(GHI)PERYLENE		UJ	0.25	1	0.24	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	0.2	1	0.1	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C-SIM	CHRYSENE		UJ	0.2	1	0.06	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C-SIM	DIBENZO(A,H)ANTHRACENE		UJ	0.2	1	0.14	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C-SIM	FLUORANTHENE		UJ	0.2	1	0.065	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C-SIM	FLUORENE		UJ	0.2	1	0.12	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C-SIM	INDENO(1,2,3-CD)PYRENE		UJ	0.2	1	0.19	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C-SIM	NAPHTHALENE		UJ	0.2	1	0.1	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C-SIM	NITROBENZENE-D5	55		0	1		%
2-GW45DS-03	19-Aug-03	L0308385-02	8270C-SIM	PHENANTHRENE		UJ	0.2	1	0.088	ug/l
2-GW45DS-03	19-Aug-03	L0308385-02	8270C-SIM	PYRENE		UJ	0.2	1	0.068	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	9038	SULFATE	280		100	1	13	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	9060	TOTAL ORGANIC CARBON	39		5	1	0.43	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	9251	CHLORIDE	16000		500	1	0.35	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	2320B	ALKALINITY, TOTAL	2200		5	1	1	mg CaCO3/L
2-GW46DS-03	18-Aug-03	L0308246-02	2540C	SOLIDS, TOTAL DISSOLVED	26000		100	1	28	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	2540D	SOLIDS, TOTAL SUSPENDED	55		5	1	5	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	5220D	CHEMICAL OXYGEN DEMAND	1200		40	1	8.3	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	HARDNESS	5000		17	1	0.56	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	ALUMINUM, TOTAL	0.1		0.1	1	0.017	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	ANTIMONY, TOTAL	0.00272	J	0.05	1	0.002	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	ARSENIC, TOTAL	0.017		0.004	1	0.0034	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	BARIUM, TOTAL	0.08		0.01	1	0.0004	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	BERYLLIUM, TOTAL		U	0.002	1	0.0006	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	CADMIUM, TOTAL		U	0.002	1	0.0004	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	CALCIUM, TOTAL	220		0.1	1	0.0099	mg/l

DATA SUMMARY TABLE
ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	CHROMIUM, TOTAL	0.0063	J	0.01	1	0.0008	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	COBALT, TOTAL	0.00071	U	0.02	1	0.0005	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	COPPER, TOTAL		U	0.01	1	0.0018	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	IRON, TOTAL	3.2		0.05	1	0.014	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	LEAD, TOTAL		U	0.005	1	0.0048	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	MAGNESIUM, TOTAL	1000		1	1	0.075	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	MANGANESE, TOTAL	0.06		0.01	1	0.0005	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	MOLYBDENUM, TOTAL	0.0013	J	0.05	1	0.0013	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	NICKEL, TOTAL	0.00275	J	0.025	1	0.0018	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	POTASSIUM, TOTAL	300		20	1	0.1	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	SELENIUM, TOTAL		U	0.01	1	0.0025	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	SILVER, TOTAL		U	0.007	1	0.0007	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	SODIUM, TOTAL	8300		20	1	0.055	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	THALLIUM, TOTAL		U	0.01	1	0.0035	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	VANADIUM, TOTAL	0.0035	U	0.01	1	0.0008	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	ZINC, TOTAL	0.019	J	0.05	1	0.0022	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	ALUMINUM, DISSOLVED		U	0.1	1	0.017	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	ANTIMONY, DISSOLVED		U	0.05	1	0.002	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	ARSENIC, DISSOLVED	0.012		0.004	1	0.0034	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	BARIUM, DISSOLVED	0.07		0.01	1	0.0004	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	BERYLLIUM, DISSOLVED		U	0.002	1	0.0006	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	CADMIUM, DISSOLVED		U	0.002	1	0.0004	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	CALCIUM, DISSOLVED	230		0.1	1	0.0099	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	CHROMIUM, DISSOLVED	0.0063	J	0.01	1	0.0008	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	COBALT, DISSOLVED	0.00075	U	0.02	1	0.0005	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	COPPER, DISSOLVED		U	0.01	1	0.0018	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	IRON, DISSOLVED	0.32		0.05	1	0.014	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	LEAD, DISSOLVED		U	0.005	1	0.0048	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	MAGNESIUM, DISSOLVED	1200		2	1	0.0099	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	MANGANESE, DISSOLVED	0.06		0.01	1	0.0005	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	MOLYBDENUM, DISSOLVED	0.0013	J	0.05	1	0.0013	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	NICKEL, DISSOLVED	0.0035	J	0.025	1	0.0018	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	POTASSIUM, DISSOLVED	310		20	1	0.1	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	SELENIUM, DISSOLVED		U	0.01	1	0.0025	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	SILVER, DISSOLVED	0.00082	U	0.007	1	0.0007	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	SODIUM, DISSOLVED	8600		20	1	0.055	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	THALLIUM, DISSOLVED		U	0.01	1	0.0035	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	VANADIUM, DISSOLVED	0.0021	U	0.01	1	0.0008	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	6010B	ZINC, DISSOLVED	0.0036	J	0.05	1	0.0022	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	7470A	MERCURY, TOTAL		U	0.0002	1	0.000012	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	7470A	MERCURY, DISSOLVED		U	0.0002	1	0.000012	mg/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	1,2,4-TRICHLOROBENZENE		U	5	1	1.2	ug/l

DATA SUMMARY TABLE
ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	HEXACHLOROBENZENE		UJ	5	1	1.6	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	BIS(2-CHLOROETHYL)ETHER		U	5	1	1.8	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	1,2-DICHLOROBENZENE		U	5	1	1.3	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	1,3-DICHLOROBENZENE		U	5	1	1.1	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	1,4-DICHLOROBENZENE		U	5	1	1.2	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	3,3'-DICHLOROBENZIDINE		UJ	50	1	5.2	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	2,4-DINITROTOLUENE		U	6	1	1.4	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	2,6-DINITROTOLUENE		U	5	1	1.5	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	4-CHLOROPHENYL PHENYL ETHER		U	5	1	1.5	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	4-BROMOPHENYL PHENYL ETHER		UJ	5	1	1.7	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	5	1	2.3	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	BIS(2-CHLOROETHOXY)METHANE		UJ	5	1	1.7	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	HEXACHLOROBUTADIENE		UJ	10	1	1.2	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	HEXACHLOROETHANE		U	5	1	1	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	ISOPHORONE		U	5	1	1.8	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	NITROBENZENE		UJ	5	1	1.8	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	15	1	1.9	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	N-NITROSODI-N-PROPYLAMINE		U	5	1	1.8	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	BIS(2-ETHYLHEXYL)PHTHALATE	4	J	10	1	2.1	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	BUTYL BENZYL PHTHALATE		U	5	1	2.2	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	DI-N-BUTYLPHTHALATE		U	5	1	1.9	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	DI-N-OCTYLPHTHALATE		U	5	1	1.8	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	DIETHYL PHTHALATE		U	5	1	4.9	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	DIMETHYL PHTHALATE		U	5	1	1.6	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	4-CHLOROANILINE		UJ	5	1	4.6	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	2-NITROANILINE		U	5	1	3.5	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	3-NITROANILINE		U	5	1	3.7	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	4-NITROANILINE		U	7	1	2.7	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	DIBENZOFURAN		U	5	1	3	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	2,4,6-TRICHLOROPHENOL		U	5	1	3.5	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	P-CHLORO-M-CRESOL		U	5	1	3.3	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	2-CHLOROPHENOL		U	6	1	3.2	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	2,4-DICHLOROPHENOL		UJ	10	1	3.2	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	2,4-DIMETHYLPHENOL		R	10	1	3.5	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	2-NITROPHENOL		U	20	1	3	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	4-NITROPHENOL		U	10	1	1.9	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	2,4-DINITROPHENOL		U	20	1	2.3	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	4,6-DINITRO-O-CRESOL		U	20	1	2.3	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	PENTACHLOROPHENOL		U	20	1	3.1	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	PHENOL		UJ	7	1	1.8	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	2-METHYLPHENOL		UJ	6	1	3.1	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	3-METHYLPHENOL/4-METHYLPHENOL		UJ	6	1	2.8	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	2,4,5-TRICHLOROPHENOL		U	5	1	3.5	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	CARBAZOLE		U	5	1	1.8	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	2-FLUOROPHENOL	12		0	1		%
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	PHENOL-D6	12		0	1		%
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	NITROBENZENE-D5	33		0	1		%
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	2-FLUOROBIPHENYL	56		0	1		%
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	2,4,6-TRIBROMOPHENOL	63		0	1		%
2-GW46DS-03	18-Aug-03	L0308246-02	8270C	4-TERPHENYL-D14	95		0	1		%
2-GW46DS-03	18-Aug-03	L0308246-02	8270C-SIM	ACENAPHTHENE		UJ	0.2	1	0.094	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C-SIM	2-CHLORONAPHTHALENE		UJ	0.2	1	0.083	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C-SIM	FLUORANTHENE		UJ	0.2	1	0.065	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C-SIM	NAPHTHALENE		UJ	0.2	1	0.1	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C-SIM	BENZO(A)ANTHRACENE		UJ	0.2	1	0.061	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C-SIM	BENZO(A)PYRENE		UJ	0.2	1	0.085	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C-SIM	BENZO(B)FLUORANTHENE		UJ	0.2	1	0.07	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	0.2	1	0.1	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C-SIM	CHRYSENE		UJ	0.2	1	0.06	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C-SIM	ACENAPHTHYLENE		UJ	0.2	1	0.091	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C-SIM	ANTHRACENE		UJ	0.2	1	0.062	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C-SIM	BENZO(GHI)PERYLENE		UJ	0.25	1	0.24	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C-SIM	FLUORENE		UJ	0.2	1	0.12	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C-SIM	PHENANTHRENE		UJ	0.2	1	0.088	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C-SIM	DIBENZO(A,H)ANTHRACENE		UJ	0.2	1	0.14	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C-SIM	INDENO(1,2,3-CD)PYRENE		UJ	0.2	1	0.19	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C-SIM	PYRENE		UJ	0.2	1	0.068	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C-SIM	2-METHYLNAPHTHALENE		UJ	0.2	1	0.19	ug/l
2-GW46DS-03	18-Aug-03	L0308246-02	8270C-SIM	NITROBENZENE-D5	37		0	1		%
2-GW46DS-03	18-Aug-03	L0308246-02	8270C-SIM	2-FLUOROBIPHENYL	52		0	1		%
2-GW46DS-03	18-Aug-03	L0308246-02	8270C-SIM	4-TERPHENYL-D14	88		0	1		%
2-GW47DS-03	20-Aug-03	L0308333-01	9038	SULFATE	8.6	J	50	1	6.4	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	9060	TOTAL ORGANIC CARBON	20		5	1	0.43	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	9251	CHLORIDE	2700		200	1	35	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	2320B	ALKALINITY, TOTAL	700		4	1	0.8	mg CaCO3/L
2-GW47DS-03	20-Aug-03	L0308333-01	2540C	SOLIDS, TOTAL DISSOLVED	4800		20	1	5.7	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	2540D	SOLIDS, TOTAL SUSPENDED	150		10	1	10	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	5220D	CHEMICAL OXYGEN DEMAND	88		20	1	4.2	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	HARDNESS	860		1.7	1	0.056	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	ALUMINUM, TOTAL	0.64	J	0.1	1	0.017	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	ANTIMONY, TOTAL		U	0.05	1	0.002	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	ARSENIC, TOTAL	0.035		0.004	1	0.0034	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	BARIUM, TOTAL	0.6	J	0.01	1	0.0004	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	BERYLLIUM, TOTAL		U	0.002	1	0.0006	mg/l

DATA SUMMARY TABLE
ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	CADMIUM, TOTAL		U	0.002	1	0.0004	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	CALCIUM, TOTAL	72		0.1	1	0.0099	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	CHROMIUM, TOTAL	0.0013	J	0.01	1	0.0008	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	COBALT, TOTAL	0.0067	J	0.02	1	0.0005	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	COPPER, TOTAL		UJ	0.01	1	0.0018	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	IRON, TOTAL	110		0.05	1	0.014	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	LEAD, TOTAL		U	0.005	1	0.0048	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	MAGNESIUM, TOTAL	160		0.5	1	0.0075	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	MANGANESE, TOTAL	3.8		0.01	1	0.0005	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	MOLYBDENUM, TOTAL	0.0039	U	0.05	1	0.0013	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	NICKEL, TOTAL	0.00294	J	0.025	1	0.0018	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	POTASSIUM, TOTAL	97		10	1	0.1	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	SELENIUM, TOTAL		U	0.01	1	0.0025	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	SILVER, TOTAL	0.00137	U	0.007	1	0.0007	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	SODIUM, TOTAL	2000		10	1	0.055	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	THALLIUM, TOTAL	0.00599	J	0.01	1	0.0035	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	VANADIUM, TOTAL	0.0023	J	0.01	1	0.0008	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	ZINC, TOTAL	0.0058	U	0.05	1	0.0022	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	ALUMINUM, DISSOLVED	4.9	J	0.1	1	0.017	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	ANTIMONY, DISSOLVED		U	0.05	1	0.002	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	ARSENIC, DISSOLVED	0.019		0.004	1	0.0034	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	BARIUM, DISSOLVED	0.09	J	0.01	1	0.0004	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	BERYLLIUM, DISSOLVED		U	0.002	1	0.0006	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	CADMIUM, DISSOLVED		U	0.002	1	0.0004	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	CALCIUM, DISSOLVED	100		0.1	1	0.0099	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	CHROMIUM, DISSOLVED	0.01	J	0.01	1	0.0008	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	COBALT, DISSOLVED	0.0048	J	0.02	1	0.0005	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	COPPER, DISSOLVED	0.0056	J	0.01	1	0.0018	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	IRON, DISSOLVED	33		0.05	1	0.014	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	LEAD, DISSOLVED	0.007		0.005	1	0.0048	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	MAGNESIUM, DISSOLVED	290		5	1	0.0099	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	MANGANESE, DISSOLVED	3.1		0.01	1	0.0005	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	NICKEL, DISSOLVED	0.00587	J	0.025	1	0.0018	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	POTASSIUM, DISSOLVED	170		10	1	0.1	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	MOLYBDENUM, DISSOLVED	0.0079	U	0.05	1	0.0013	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	SELENIUM, DISSOLVED		U	0.01	1	0.0025	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	SILVER, DISSOLVED		U	0.007	1	0.0007	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	SODIUM, DISSOLVED	3200		10	1	0.055	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	THALLIUM, DISSOLVED	0.00449	J	0.01	1	0.0035	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	VANADIUM, DISSOLVED	0.01	J	0.01	1	0.0008	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	6010B	ZINC, DISSOLVED	0.017	U	0.05	1	0.0022	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	7470A	MERCURY, TOTAL	2.03E-05	U	0.0002	1	0.000012	mg/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW47DS-03	20-Aug-03	L0308333-01	7470A	MERCURY, DISSOLVED	2.35E-05	J	0.0002	1	0.000012	mg/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	1,2,4-TRICHLOROBENZENE		U	5	1	1.2	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	HEXACHLOROBENZENE		UJ	5	1	1.6	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	BIS(2-CHLOROETHYL)ETHER		U	5	1	1.8	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	1,2-DICHLOROBENZENE		U	5	1	1.3	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	1,3-DICHLOROBENZENE		U	5	1	1.1	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	1,4-DICHLOROBENZENE		U	5	1	1.2	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	3,3'-DICHLOROBENZIDINE		U	50	1	5.2	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	2,4-DINITROTOLUENE		U	6	1	1.4	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	2,6-DINITROTOLUENE		U	5	1	1.5	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	4-CHLOROPHENYL PHENYL ETHER		U	5	1	1.5	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	4-BROMOPHENYL PHENYL ETHER		UJ	5	1	1.7	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	5	1	2.3	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	BIS(2-CHLOROETHOXY)METHANE		UJ	5	1	1.7	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	HEXACHLOROBUTADIENE		UJ	10	1	1.2	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	HEXACHLOROETHANE		U	5	1	1	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	ISOPHORONE		UJ	5	1	1.8	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	NITROBENZENE		UJ	5	1	1.8	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	15	1	1.9	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	N-NITROSODI-N-PROPYLAMINE		UJ	5	1	1.8	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	BIS(2-ETHYLHEXYL)PHTHALATE	3.6	J	10	1	2.1	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	BUTYL BENZYL PHTHALATE		U	5	1	2.2	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	DI-N-BUTYLPHTHALATE		U	5	1	1.9	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	DI-N-OCTYLPHTHALATE		U	5	1	1.8	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	DIETHYL PHTHALATE		U	5	1	4.9	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	DIMETHYL PHTHALATE		U	5	1	1.6	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	4-CHLOROANILINE		U	5	1	4.6	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	2-NITROANILINE		U	5	1	3.5	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	3-NITROANILINE		U	5	1	3.7	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	4-NITROANILINE		U	7	1	2.7	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	DIBENZOFURAN		UJ	5	1	3	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	2,4,6-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	P-CHLORO-M-CRESOL		U	5	1	3.3	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	2-CHLOROPHENOL		U	6	1	3.2	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	2,4-DICHLOROPHENOL		UJ	10	1	3.2	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	2,4-DIMETHYLPHENOL		R	10	1	3.5	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	2-NITROPHENOL		UJ	20	1	3	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	4-NITROPHENOL		U	10	1	1.9	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	2,4-DINITROPHENOL		U	20	1	2.3	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	4,6-DINITRO-O-CRESOL		U	20	1	2.3	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	PENTACHLOROPHENOL		U	20	1	3.1	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	PHENOL		UJ	7	1	1.8	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	2-METHYLPHENOL		UJ	6	1	3.1	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	3-METHYLPHENOL/4-METHYLPHENOL		UJ	6	1	2.8	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	2,4,5-TRICHLOROPHENOL		U	5	1	3.5	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	CARBAZOLE		U	5	1	1.8	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	2-FLUOROPHENOL	28		0	1		%
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	PHENOL-D6	22		0	1		%
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	NITROBENZENE-D5	51		0	1		%
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	2-FLUOROBIPHENYL	65		0	1		%
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	2,4,6-TRIBROMOPHENOL	79		0	1		%
2-GW47DS-03	20-Aug-03	L0308333-01	8270C	4-TERPHENYL-D14	106		0	1		%
2-GW47DS-03	20-Aug-03	L0308333-01	8270C-SIM	ACENAPHTHENE		U	0.2	1	0.094	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C-SIM	2-CHLORONAPHTHALENE		UJ	0.2	1	0.083	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C-SIM	FLUORANTHENE		U	0.2	1	0.065	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C-SIM	NAPHTHALENE		UJ	0.2	1	0.1	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C-SIM	BENZO(A)ANTHRACENE		U	0.2	1	0.061	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C-SIM	BENZO(A)PYRENE		U	0.2	1	0.085	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C-SIM	BENZO(B)FLUORANTHENE		U	0.2	1	0.07	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C-SIM	BENZO(K)FLUORANTHENE		U	0.2	1	0.1	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C-SIM	CHRYSENE		U	0.2	1	0.06	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C-SIM	ACENAPHTHYLENE		UJ	0.2	1	0.091	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C-SIM	ANTHRACENE		U	0.2	1	0.062	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C-SIM	BENZO(GHI)PERYLENE		U	0.25	1	0.24	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C-SIM	FLUORENE		U	0.2	1	0.12	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C-SIM	PHENANTHRENE		U	0.2	1	0.088	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C-SIM	DIBENZO(A,H)ANTHRACENE		U	0.2	1	0.14	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	0.2	1	0.19	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C-SIM	PYRENE		U	0.2	1	0.068	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C-SIM	2-METHYLNAPHTHALENE		UJ	0.2	1	0.19	ug/l
2-GW47DS-03	20-Aug-03	L0308333-01	8270C-SIM	NITROBENZENE-D5	56		0	1		%
2-GW47DS-03	20-Aug-03	L0308333-01	8270C-SIM	2-FLUOROBIPHENYL	61		0	1		%
2-GW47DS-03	20-Aug-03	L0308333-01	8270C-SIM	4-TERPHENYL-D14	101		0	1		%
2-SW18-03	15-Aug-03	L0308146-01	9038	SULFATE		UJ	10	1	1.3	mg/l
2-SW18-03	15-Aug-03	L0308146-01	9060	TOTAL ORGANIC CARBON	7.6	J	2	1	0.17	mg/l
2-SW18-03	15-Aug-03	L0308146-01	9251	CHLORIDE	85	J	1	1	0.35	mg/l
2-SW18-03	15-Aug-03	L0308146-01	2320B	ALKALINITY, TOTAL	56	J	2	1	0.4	mg CaCO3/L
2-SW18-03	15-Aug-03	L0308146-01	2540C	SOLIDS, TOTAL DISSOLVED	220	J	10	1	2.8	mg/l
2-SW18-03	15-Aug-03	L0308146-01	2540D	SOLIDS, TOTAL SUSPENDED	63	J	10	1	10	mg/l
2-SW18-03	15-Aug-03	L0308146-01	5220D	CHEMICAL OXYGEN DEMAND	56	J	20	1	4.2	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	HARDNESS	68	J	1.7	1	0.056	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	ALUMINUM, TOTAL	0.53	J	0.1	1	0.017	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	ANTIMONY, TOTAL	0.00205	U	0.05	1	0.002	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	ARSENIC, TOTAL		UJ	0.004	1	0.0034	mg/l

DATA SUMMARY TABLE
ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW18-03	15-Aug-03	L0308146-01	6010B	BARIUM, TOTAL	0.06	J	0.01	1	0.0004	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	BERYLLIUM, TOTAL		UJ	0.002	1	0.0006	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	CADMIUM, TOTAL		UJ	0.002	1	0.0004	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	CALCIUM, TOTAL	21	J	0.1	1	0.0099	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	CHROMIUM, TOTAL		UJ	0.01	1	0.0008	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	COBALT, TOTAL	0.001	U	0.02	1	0.0005	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	COPPER, TOTAL	0.006	J	0.01	1	0.0018	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	IRON, TOTAL	18	J	0.05	1	0.014	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	LEAD, TOTAL		UJ	0.005	1	0.0048	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	MAGNESIUM, TOTAL	4.1	J	0.1	1	0.0075	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	MANGANESE, TOTAL	0.42	J	0.01	1	0.0005	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	MOLYBDENUM, DISSOLVED	0.0016	U	0.05	1	0.0013	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	NICKEL, DISSOLVED		UJ	0.025	1	0.0018	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	POTASSIUM, DISSOLVED	2.5	U	1	1	0.1	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	SELENIUM, DISSOLVED		UJ	0.01	1	0.0025	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	SILVER, DISSOLVED		UJ	0.007	1	0.0007	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	SODIUM, DISSOLVED	52	J	1	1	0.055	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	THALLIUM, DISSOLVED		UJ	0.01	1	0.0035	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	VANADIUM, DISSOLVED	0.0015	U	0.01	1	0.0008	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	ZINC, DISSOLVED	0.0032	J	0.05	1	0.0022	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	MOLYBDENUM, TOTAL	0.0046	U	0.05	1	0.0013	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	NICKEL, TOTAL	0.00637	J	0.025	1	0.0018	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	POTASSIUM, TOTAL	2.5	J	1	1	0.1	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	SELENIUM, TOTAL		UJ	0.01	1	0.0025	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	SILVER, TOTAL		UJ	0.007	1	0.0007	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	SODIUM, TOTAL	53	J	1	1	0.055	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	THALLIUM, TOTAL		UJ	0.01	1	0.0035	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	VANADIUM, TOTAL	0.0072	J	0.01	1	0.0008	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	ZINC, TOTAL	0.08	J	0.05	1	0.0022	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	ALUMINUM, DISSOLVED	0.032	J	0.1	1	0.017	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	ANTIMONY, DISSOLVED		UJ	0.05	1	0.002	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	ARSENIC, DISSOLVED		UJ	0.004	1	0.0034	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	BARIUM, DISSOLVED	0.05	J	0.01	1	0.0004	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	BERYLLIUM, DISSOLVED		UJ	0.002	1	0.0006	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	CADMIUM, DISSOLVED		UJ	0.002	1	0.0004	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	CALCIUM, DISSOLVED	20	J	0.1	1	0.0099	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	CHROMIUM, DISSOLVED		UJ	0.01	1	0.0008	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	COBALT, DISSOLVED		UJ	0.02	1	0.0005	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	COPPER, DISSOLVED		UJ	0.01	1	0.0018	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	IRON, DISSOLVED	11	J	0.05	1	0.014	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	LEAD, DISSOLVED		UJ	0.005	1	0.0048	mg/l
2-SW18-03	15-Aug-03	L0308146-01	6010B	MAGNESIUM, DISSOLVED	3.8	J	0.1	1	0.0075	mg/l

DATA SUMMARY TABLE
ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW18-03	15-Aug-03	L0308146-01	6010B	MANGANESE, DISSOLVED	0.38	J	0.01	1	0.0005	mg/l
2-SW18-03	15-Aug-03	L0308146-01	7470A	MERCURY, TOTAL		UJ	0.0002	1	0.000012	mg/l
2-SW18-03	15-Aug-03	L0308146-01	7470A	MERCURY, DISSOLVED		UJ	0.0002	1	0.000012	mg/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	1,2,4-TRICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	HEXACHLOROBENZENE		UJ	5	1	1.6	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	BIS(2-CHLOROETHYL)ETHER		UJ	5	1	1.8	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	1,2-DICHLOROBENZENE		UJ	5	1	1.3	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	1,3-DICHLOROBENZENE		UJ	5	1	1.1	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	1,4-DICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	3,3'-DICHLOROBENZIDINE		UJ	50	1	5.2	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	2,4-DINITROTOLUENE		UJ	6	1	1.4	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	2,6-DINITROTOLUENE		UJ	5	1	1.5	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	4-CHLOROPHENYL PHENYL ETHER		UJ	5	1	1.5	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	4-BROMOPHENYL PHENYL ETHER		UJ	5	1	1.7	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	BIS(2-CHLOROISOPROPYL)ETHER		UJ	5	1	2.3	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	BIS(2-CHLOROETHOXY)METHANE		UJ	5	1	1.7	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	HEXACHLOROBUTADIENE		UJ	10	1	1.2	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	HEXACHLOROETHANE		UJ	5	1	1	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	ISOPHORONE		UJ	5	1	1.8	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	NITROBENZENE		UJ	5	1	1.8	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		UJ	15	1	1.9	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	N-NITROSODI-N-PROPYLAMINE		UJ	5	1	1.8	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	BIS(2-ETHYLHEXYL)PHTHALATE	3.6	U	10	1	2.1	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	BUTYL BENZYL PHTHALATE		UJ	5	1	2.2	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	DI-N-BUTYLPHTHALATE		UJ	5	1	1.9	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	DI-N-OCTYLPHTHALATE		UJ	5	1	1.8	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	DIETHYL PHTHALATE		UJ	5	1	4.9	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	DIMETHYL PHTHALATE		UJ	5	1	1.6	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	4-CHLOROANILINE		UJ	5	1	4.6	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	2-NITROANILINE		UJ	5	1	3.5	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	3-NITROANILINE		UJ	5	1	3.7	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	4-NITROANILINE		UJ	7	1	2.7	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	DIBENZOFURAN		UJ	5	1	3	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	2,4,6-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	P-CHLORO-M-CRESOL		UJ	5	1	3.3	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	2-CHLOROPHENOL		UJ	6	1	3.2	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	2,4-DICHLOROPHENOL		UJ	10	1	3.2	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	2,4-DIMETHYLPHENOL		J	10	1	3.5	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	2-NITROPHENOL		UJ	20	1	3	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	4-NITROPHENOL		UJ	10	1	1.9	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	2,4-DINITROPHENOL		UJ	20	1	2.3	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	4,6-DINITRO-O-CRESOL		UJ	20	1	2.3	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW18-03	15-Aug-03	L0308146-01	8270C	PENTACHLOROPHENOL		UJ	20	1	3.1	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	PHENOL		UJ	7	1	1.8	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	2-METHYLPHENOL		UJ	6	1	3.1	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	3-METHYLPHENOL/4-METHYLPHENOL		UJ	6	1	2.8	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	2,4,5-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	CARBAZOLE		UJ	5	1	1.8	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C	2-FLUOROPHENOL	35		0	1		%
2-SW18-03	15-Aug-03	L0308146-01	8270C	PHENOL-D6	26		0	1		%
2-SW18-03	15-Aug-03	L0308146-01	8270C	NITROBENZENE-D5	69		0	1		%
2-SW18-03	15-Aug-03	L0308146-01	8270C	2-FLUOROBIPHENYL	79		0	1		%
2-SW18-03	15-Aug-03	L0308146-01	8270C	2,4,6-TRIBROMOPHENOL	77		0	1		%
2-SW18-03	15-Aug-03	L0308146-01	8270C	4-TERPHENYL-D14	98		0	1		%
2-SW18-03	15-Aug-03	L0308146-01	8270C-SIM	ACENAPHTHENE	0.31	J	0.2	1	0.094	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C-SIM	2-CHLORONAPHTHALENE		UJ	0.2	1	0.083	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C-SIM	FLUORANTHENE	0.18	J	0.2	1	0.065	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C-SIM	NAPHTHALENE	0.43	J	0.2	1	0.1	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C-SIM	BENZO(A)ANTHRACENE	0.16	J	0.2	1	0.061	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C-SIM	BENZO(A)PYRENE	0.15	J	0.2	1	0.085	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C-SIM	BENZO(B)FLUORANTHENE	0.23	J	0.2	1	0.07	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C-SIM	BENZO(K)FLUORANTHENE	0.21	J	0.2	1	0.1	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C-SIM	CHRYSENE	0.22	J	0.2	1	0.06	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C-SIM	ACENAPHTHYLENE		UJ	0.2	1	0.091	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C-SIM	ANTHRACENE		UJ	0.2	1	0.062	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C-SIM	BENZO(GHI)PERYLENE		UJ	0.25	1	0.24	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C-SIM	FLUORENE	0.18	J	0.2	1	0.12	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C-SIM	PHENANTHRENE	0.12	J	0.2	1	0.088	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C-SIM	DIBENZO(A,H)ANTHRACENE		UJ	0.2	1	0.14	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C-SIM	INDENO(1,2,3-CD)PYRENE		UJ	0.2	1	0.19	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C-SIM	PYRENE	0.2	J	0.2	1	0.068	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C-SIM	2-METHYLNAPHTHALENE		UJ	0.2	1	0.19	ug/l
2-SW18-03	15-Aug-03	L0308146-01	8270C-SIM	NITROBENZENE-D5	71		0	1		%
2-SW18-03	15-Aug-03	L0308146-01	8270C-SIM	2-FLUOROBIPHENYL	68		0	1		%
2-SW18-03	15-Aug-03	L0308146-01	8270C-SIM	4-TERPHENYL-D14	87		0	1		%
2-SW19-03	18-Aug-03	L0308246-03	9038	SULFATE		U	10	1	1.3	mg/l
2-SW19-03	18-Aug-03	L0308246-03	9060	TOTAL ORGANIC CARBON	8.6		2	1	0.17	mg/l
2-SW19-03	18-Aug-03	L0308246-03	9251	CHLORIDE	100		5	1	0.35	mg/l
2-SW19-03	18-Aug-03	L0308246-03	2320B	ALKALINITY, TOTAL	57		2	1	0.4	mg CaCO3/L
2-SW19-03	18-Aug-03	L0308246-03	2540C	SOLIDS, TOTAL DISSOLVED	250		20	1	5.7	mg/l
2-SW19-03	18-Aug-03	L0308246-03	2540D	SOLIDS, TOTAL SUSPENDED	12		5	1	5	mg/l
2-SW19-03	18-Aug-03	L0308246-03	5220D	CHEMICAL OXYGEN DEMAND	27		20	1	4.2	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	HARDNESS	65		1.7	1	0.056	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	ALUMINUM, TOTAL	0.072	J	0.1	1	0.017	mg/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW19-03	18-Aug-03	L0308246-03	6010B	ANTIMONY, TOTAL		U	0.05	1	0.002	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	ARSENIC, TOTAL		U	0.004	1	0.0034	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	BARIUM, TOTAL	0.04		0.01	1	0.0004	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	BERYLLIUM, TOTAL		U	0.002	1	0.0006	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	CADMIUM, TOTAL		U	0.002	1	0.0004	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	CALCIUM, TOTAL	18		0.1	1	0.0099	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	CHROMIUM, TOTAL		U	0.01	1	0.0008	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	COBALT, TOTAL	0.00096	U	0.02	1	0.0005	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	COPPER, TOTAL		U	0.01	1	0.0018	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	IRON, TOTAL	7.8		0.05	1	0.014	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	LEAD, TOTAL		U	0.005	1	0.0048	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	MAGNESIUM, TOTAL	4		0.1	1	0.0075	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	MANGANESE, TOTAL	0.42		0.01	1	0.0005	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	MOLYBDENUM, TOTAL		U	0.05	1	0.0013	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	NICKEL, TOTAL		U	0.025	1	0.0018	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	POTASSIUM, TOTAL	2.2		1	1	0.1	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	SELENIUM, TOTAL		U	0.01	1	0.0025	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	SILVER, TOTAL		U	0.007	1	0.0007	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	SODIUM, TOTAL	56		1	1	0.055	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	THALLIUM, TOTAL		U	0.01	1	0.0035	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	VANADIUM, TOTAL	0.0021	U	0.01	1	0.0008	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	ZINC, TOTAL	0.011	U	0.05	1	0.0022	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	ALUMINUM, DISSOLVED	0.02	J	0.1	1	0.017	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	ANTIMONY, DISSOLVED	0.00299	U	0.05	1	0.002	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	ARSENIC, DISSOLVED		U	0.004	1	0.0034	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	BARIUM, DISSOLVED	0.04		0.01	1	0.0004	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	BERYLLIUM, DISSOLVED		U	0.002	1	0.0006	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	CADMIUM, DISSOLVED		U	0.002	1	0.0004	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	CALCIUM, DISSOLVED	19		0.1	1	0.0099	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	CHROMIUM, DISSOLVED		U	0.01	1	0.0008	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	COBALT, DISSOLVED	0.00053	U	0.02	1	0.0005	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	COPPER, DISSOLVED		U	0.01	1	0.0018	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	IRON, DISSOLVED	5.9		0.05	1	0.014	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	LEAD, DISSOLVED		U	0.005	1	0.0048	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	MAGNESIUM, DISSOLVED	5.1		0.1	1	0.0075	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	MANGANESE, DISSOLVED	0.4		0.01	1	0.0005	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	MOLYBDENUM, DISSOLVED		U	0.05	1	0.0013	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	NICKEL, DISSOLVED		U	0.025	1	0.0018	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	POTASSIUM, DISSOLVED	3		1	1	0.1	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	SELENIUM, DISSOLVED		U	0.01	1	0.0025	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	SILVER, DISSOLVED		U	0.007	1	0.0007	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	SODIUM, DISSOLVED	70		1	1	0.055	mg/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW19-03	18-Aug-03	L0308246-03	6010B	THALLIUM, DISSOLVED		U	0.01	1	0.0035	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	VANADIUM, DISSOLVED	0.0017	U	0.01	1	0.0008	mg/l
2-SW19-03	18-Aug-03	L0308246-03	6010B	ZINC, DISSOLVED		U	0.05	1	0.0022	mg/l
2-SW19-03	18-Aug-03	L0308246-03	7470A	MERCURY, TOTAL		U	0.0002	1	0.000012	mg/l
2-SW19-03	18-Aug-03	L0308246-03	7470A	MERCURY, DISSOLVED		U	0.0002	1	0.000012	mg/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	1,2,4-TRICHLOROBENZENE		U	5	1	1.2	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	HEXACHLOROBENZENE		UJ	5	1	1.6	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	BIS(2-CHLOROETHYL)ETHER		U	5	1	1.8	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	1,2-DICHLOROBENZENE		U	5	1	1.3	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	1,3-DICHLOROBENZENE		U	5	1	1.1	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	1,4-DICHLOROBENZENE		U	5	1	1.2	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	3,3'-DICHLOROBENZIDINE		UJ	50	1	5.2	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	2,4-DINITROTOLUENE		U	6	1	1.4	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	2,6-DINITROTOLUENE		U	5	1	1.5	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	4-CHLOROPHENYL PHENYL ETHER		U	5	1	1.5	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	4-BROMOPHENYL PHENYL ETHER		UJ	5	1	1.7	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	5	1	2.3	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	BIS(2-CHLOROETHOXY)METHANE		UJ	5	1	1.7	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	HEXACHLOROBUTADIENE		UJ	10	1	1.2	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	HEXACHLOROETHANE		U	5	1	1	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	ISOPHORONE		U	5	1	1.8	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	NITROBENZENE		UJ	5	1	1.8	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	15	1	1.9	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	N-NITROSODI-N-PROPYLAMINE		U	5	1	1.8	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	BIS(2-ETHYLHEXYL)PHTHALATE	3.8	J	10	1	2.1	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	BUTYL BENZYL PHTHALATE		U	5	1	2.2	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	DI-N-BUTYLPHTHALATE		U	5	1	1.9	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	DI-N-OCTYLPHTHALATE		U	5	1	1.8	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	DIETHYL PHTHALATE		U	5	1	4.9	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	DIMETHYL PHTHALATE		U	5	1	1.6	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	4-CHLOROANILINE		UJ	5	1	4.6	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	2-NITROANILINE		U	5	1	3.5	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	3-NITROANILINE		U	5	1	3.7	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	4-NITROANILINE		U	7	1	2.7	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	DIBENZOFURAN		U	5	1	3	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	2,4,6-TRICHLOROPHENOL		U	5	1	3.5	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	P-CHLORO-M-CRESOL		U	5	1	3.3	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	2-CHLOROPHENOL		U	6	1	3.2	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	2,4-DICHLOROPHENOL		UJ	10	1	3.2	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	2,4-DIMETHYLPHENOL		R	10	1	3.5	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	2-NITROPHENOL		U	20	1	3	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	4-NITROPHENOL		U	10	1	1.9	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW19-03	18-Aug-03	L0308246-03	8270C	2,4-DINITROPHENOL		U	20	1	2.3	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	4,6-DINITRO-O-CRESOL		U	20	1	2.3	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	PENTACHLOROPHENOL		U	20	1	3.1	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	PHENOL		UJ	7	1	1.8	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	2-METHYLPHENOL		UJ	6	1	3.1	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	3-METHYLPHENOL/4-METHYLPHENOL		UJ	6	1	2.8	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	2,4,5-TRICHLOROPHENOL		U	5	1	3.5	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	CARBAZOLE		U	5	1	1.8	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C	2-FLUOROPHENOL	24		0	1		%
2-SW19-03	18-Aug-03	L0308246-03	8270C	PHENOL-D6	16		0	1		%
2-SW19-03	18-Aug-03	L0308246-03	8270C	NITROBENZENE-D5	45		0	1		%
2-SW19-03	18-Aug-03	L0308246-03	8270C	2-FLUOROBIPHENYL	55		0	1		%
2-SW19-03	18-Aug-03	L0308246-03	8270C	2,4,6-TRIBROMOPHENOL	70		0	1		%
2-SW19-03	18-Aug-03	L0308246-03	8270C	4-TERPHENYL-D14	94		0	1		%
2-SW19-03	18-Aug-03	L0308246-03	8270C-SIM	ACENAPHTHENE	1		0.2	1	0.094	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C-SIM	2-CHLORONAPHTHALENE		UJ	0.2	1	0.083	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C-SIM	FLUORANTHENE	0.13	J	0.2	1	0.065	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C-SIM	NAPHTHALENE	0.24	J	0.2	1	0.1	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C-SIM	BENZO(A)ANTHRACENE		U	0.2	1	0.061	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C-SIM	BENZO(A)PYRENE		U	0.2	1	0.085	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C-SIM	BENZO(B)FLUORANTHENE		U	0.2	1	0.07	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C-SIM	BENZO(K)FLUORANTHENE		U	0.2	1	0.1	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C-SIM	CHRYSENE		U	0.2	1	0.06	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C-SIM	ACENAPHTHYLENE		UJ	0.2	1	0.091	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C-SIM	ANTHRACENE		U	0.2	1	0.062	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C-SIM	BENZO(GHI)PERYLENE		U	0.25	1	0.24	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C-SIM	FLUORENE	0.74		0.2	1	0.12	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C-SIM	PHENANTHRENE	0.62		0.2	1	0.088	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C-SIM	DIBENZO(A,H)ANTHRACENE		U	0.2	1	0.14	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	0.2	1	0.19	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C-SIM	PYRENE	0.1	J	0.2	1	0.068	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C-SIM	2-METHYLNAPHTHALENE		UJ	0.2	1	0.19	ug/l
2-SW19-03	18-Aug-03	L0308246-03	8270C-SIM	NITROBENZENE-D5	54		0	1		%
2-SW19-03	18-Aug-03	L0308246-03	8270C-SIM	2-FLUOROBIPHENYL	55		0	1		%
2-SW19-03	18-Aug-03	L0308246-03	8270C-SIM	4-TERPHENYL-D14	92		0	1		%
2-SW20-03	15-Aug-03	L0308146-04	9038	SULFATE		UJ	10	1	1.3	mg/l
2-SW20-03	15-Aug-03	L0308146-04	9060	TOTAL ORGANIC CARBON	6.3	J	2	1	0.17	mg/l
2-SW20-03	15-Aug-03	L0308146-04	9251	CHLORIDE	82	J	1	1	0.35	mg/l
2-SW20-03	15-Aug-03	L0308146-04	2320B	ALKALINITY, TOTAL	41	J	2	1	0.4	mg CaCO3/L
2-SW20-03	15-Aug-03	L0308146-04	2540C	SOLIDS, TOTAL DISSOLVED	190	J	10	1	2.8	mg/l
2-SW20-03	15-Aug-03	L0308146-04	2540D	SOLIDS, TOTAL SUSPENDED	10	J	5	1	5	mg/l
2-SW20-03	15-Aug-03	L0308146-04	5220D	CHEMICAL OXYGEN DEMAND	27	J	20	1	4.2	mg/l

DATA SUMMARY TABLE
ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW20-03	15-Aug-03	L0308146-04	6010B	HARDNESS	54	J	1.7	1	0.056	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	ALUMINUM, TOTAL	0.051	J	0.1	1	0.017	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	ANTIMONY, TOTAL		UJ	0.05	1	0.002	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	ARSENIC, TOTAL		UJ	0.004	1	0.0034	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	BARIUM, TOTAL	0.03	J	0.01	1	0.0004	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	BERYLLIUM, TOTAL		UJ	0.002	1	0.0006	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	CADMIUM, TOTAL		UJ	0.002	1	0.0004	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	CALCIUM, TOTAL	16	J	0.1	1	0.0099	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	CHROMIUM, TOTAL		UJ	0.01	1	0.0008	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	COBALT, TOTAL	0.0012	U	0.02	1	0.0005	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	COPPER, TOTAL	0.0046	J	0.01	1	0.0018	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	IRON, TOTAL	4.2	J	0.05	1	0.014	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	LEAD, TOTAL		UJ	0.005	1	0.0048	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	MAGNESIUM, TOTAL	3.4	J	0.1	1	0.0075	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	MANGANESE, TOTAL	0.39	J	0.01	1	0.0005	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	MOLYBDENUM, TOTAL	0.0046	U	0.05	1	0.0013	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	NICKEL, TOTAL		UJ	0.025	1	0.0018	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	POTASSIUM, TOTAL	1.7	U	1	1	0.1	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	SELENIUM, TOTAL		UJ	0.01	1	0.0025	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	SILVER, TOTAL		UJ	0.007	1	0.0007	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	SODIUM, TOTAL	50	J	1	1	0.055	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	THALLIUM, TOTAL		UJ	0.01	1	0.0035	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	VANADIUM, TOTAL	0.001	U	0.01	1	0.0008	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	ZINC, TOTAL	0.0053	J	0.05	1	0.0022	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	ALUMINUM, DISSOLVED	0.029	J	0.1	1	0.017	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	ANTIMONY, DISSOLVED		UJ	0.05	1	0.002	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	ARSENIC, DISSOLVED		UJ	0.004	1	0.0034	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	BARIUM, DISSOLVED	0.03	J	0.01	1	0.0004	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	BERYLLIUM, DISSOLVED		UJ	0.002	1	0.0006	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	CADMIUM, DISSOLVED		UJ	0.002	1	0.0004	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	CALCIUM, DISSOLVED	15	J	0.1	1	0.0099	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	CHROMIUM, DISSOLVED		UJ	0.01	1	0.0008	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	COBALT, DISSOLVED	0.0012	U	0.02	1	0.0005	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	COPPER, DISSOLVED		UJ	0.01	1	0.0018	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	IRON, DISSOLVED	2.9	J	0.05	1	0.014	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	LEAD, DISSOLVED		UJ	0.005	1	0.0048	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	MAGNESIUM, DISSOLVED	3.3	J	0.1	1	0.0075	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	MANGANESE, DISSOLVED	0.36	J	0.01	1	0.0005	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	MOLYBDENUM, DISSOLVED	0.005	U	0.05	1	0.0013	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	NICKEL, DISSOLVED		UJ	0.025	1	0.0018	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	POTASSIUM, DISSOLVED	1.9	U	1	1	0.1	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	SELENIUM, DISSOLVED		UJ	0.01	1	0.0025	mg/l

DATA SUMMARY TABLE
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AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW20-03	15-Aug-03	L0308146-04	6010B	SILVER, DISSOLVED		UJ	0.007	1	0.0007	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	SODIUM, DISSOLVED	50	J	1	1	0.055	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	THALLIUM, DISSOLVED		UJ	0.01	1	0.0035	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	VANADIUM, DISSOLVED		UJ	0.01	1	0.0008	mg/l
2-SW20-03	15-Aug-03	L0308146-04	6010B	ZINC, DISSOLVED	0.0027	J	0.05	1	0.0022	mg/l
2-SW20-03	15-Aug-03	L0308146-04	7470A	MERCURY, TOTAL		UJ	0.0002	1	0.000012	mg/l
2-SW20-03	15-Aug-03	L0308146-04	7470A	MERCURY, DISSOLVED		UJ	0.0002	1	0.000012	mg/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	1,2,4-TRICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	HEXACHLOROBENZENE		UJ	5	1	1.6	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	BIS(2-CHLOROETHYL)ETHER		UJ	5	1	1.8	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	1,2-DICHLOROBENZENE		UJ	5	1	1.3	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	1,3-DICHLOROBENZENE		UJ	5	1	1.1	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	1,4-DICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	3,3'-DICHLOROBENZIDINE		UJ	50	1	5.2	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	2,4-DINITROTOLUENE		UJ	6	1	1.4	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	2,6-DINITROTOLUENE		UJ	5	1	1.5	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	4-CHLOROPHENYL PHENYL ETHER		UJ	5	1	1.5	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	4-BROMOPHENYL PHENYL ETHER		UJ	5	1	1.7	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	BIS(2-CHLOROISOPROPYL)ETHER		UJ	5	1	2.3	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	BIS(2-CHLOROETHOXY)METHANE		UJ	5	1	1.7	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	HEXACHLOROBUTADIENE		UJ	10	1	1.2	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	HEXACHLOROETHANE		UJ	5	1	1	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	ISOPHORONE		UJ	5	1	1.8	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	NITROBENZENE		UJ	5	1	1.8	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		UJ	15	1	1.9	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	N-NITROSODI-N-PROPYLAMINE		UJ	5	1	1.8	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	BIS(2-ETHYLHEXYL)PHTHALATE	3.6	U	10	1	2.1	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	BUTYL BENZYL PHTHALATE		UJ	5	1	2.2	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	DI-N-BUTYLPHTHALATE		UJ	5	1	1.9	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	DI-N-OCTYLPHTHALATE		UJ	5	1	1.8	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	DIETHYL PHTHALATE		UJ	5	1	4.9	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	DIMETHYL PHTHALATE		UJ	5	1	1.6	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	4-CHLOROANILINE		UJ	5	1	4.6	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	2-NITROANILINE		UJ	5	1	3.5	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	3-NITROANILINE		UJ	5	1	3.7	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	4-NITROANILINE		UJ	7	1	2.7	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	DIBENZOFURAN		UJ	5	1	3	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	2,4,6-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	P-CHLORO-M-CRESOL		UJ	5	1	3.3	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	2-CHLOROPHENOL		UJ	6	1	3.2	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	2,4-DICHLOROPHENOL		UJ	10	1	3.2	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	2,4-DIMETHYLPHENOL		J	10	1	3.5	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW20-03	15-Aug-03	L0308146-04	8270C	2-NITROPHENOL		UJ	20	1	3	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	4-NITROPHENOL		UJ	10	1	1.9	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	2,4-DINITROPHENOL		UJ	20	1	2.3	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	4,6-DINITRO-O-CRESOL		UJ	20	1	2.3	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	PENTACHLOROPHENOL		UJ	20	1	3.1	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	PHENOL		UJ	7	1	1.8	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	2-METHYLPHENOL		UJ	6	1	3.1	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	3-METHYLPHENOL/4-METHYLPHENOL		UJ	6	1	2.8	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	2,4,5-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	CARBAZOLE		UJ	5	1	1.8	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C	2-FLUOROPHENOL	30		0	1		%
2-SW20-03	15-Aug-03	L0308146-04	8270C	PHENOL-D6	22		0	1		%
2-SW20-03	15-Aug-03	L0308146-04	8270C	NITROBENZENE-D5	54		0	1		%
2-SW20-03	15-Aug-03	L0308146-04	8270C	2-FLUOROBIPHENYL	61		0	1		%
2-SW20-03	15-Aug-03	L0308146-04	8270C	2,4,6-TRIBROMOPHENOL	73		0	1		%
2-SW20-03	15-Aug-03	L0308146-04	8270C	4-TERPHENYL-D14	97		0	1		%
2-SW20-03	15-Aug-03	L0308146-04	8270C-SIM	ACENAPHTHENE		UJ	0.2	1	0.094	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C-SIM	2-CHLORONAPHTHALENE		UJ	0.2	1	0.083	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C-SIM	FLUORANTHENE		UJ	0.2	1	0.065	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C-SIM	NAPHTHALENE		UJ	0.2	1	0.1	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C-SIM	BENZO(A)ANTHRACENE		UJ	0.2	1	0.061	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C-SIM	BENZO(A)PYRENE		UJ	0.2	1	0.085	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C-SIM	BENZO(B)FLUORANTHENE		UJ	0.2	1	0.07	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	0.2	1	0.1	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C-SIM	CHRYSENE		UJ	0.2	1	0.06	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C-SIM	ACENAPHTHYLENE		UJ	0.2	1	0.091	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C-SIM	ANTHRACENE		UJ	0.2	1	0.062	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C-SIM	BENZO(GHI)PERYLENE		UJ	0.25	1	0.24	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C-SIM	FLUORENE		UJ	0.2	1	0.12	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C-SIM	PHENANTHRENE		UJ	0.2	1	0.088	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C-SIM	DIBENZO(A,H)ANTHRACENE		UJ	0.2	1	0.14	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C-SIM	INDENO(1,2,3-CD)PYRENE		UJ	0.2	1	0.19	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C-SIM	PYRENE		UJ	0.2	1	0.068	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C-SIM	2-METHYLNAPHTHALENE		UJ	0.2	1	0.19	ug/l
2-SW20-03	15-Aug-03	L0308146-04	8270C-SIM	NITROBENZENE-D5	55		0	1		%
2-SW20-03	15-Aug-03	L0308146-04	8270C-SIM	2-FLUOROBIPHENYL	54		0	1		%
2-SW20-03	15-Aug-03	L0308146-04	8270C-SIM	4-TERPHENYL-D14	88		0	1		%
2-SW21-03	15-Aug-03	L0308146-03	9038	SULFATE		UJ	10	1	1.3	mg/l
2-SW21-03	15-Aug-03	L0308146-03	9060	TOTAL ORGANIC CARBON	6.2	J	2	1	0.17	mg/l
2-SW21-03	15-Aug-03	L0308146-03	9251	CHLORIDE	92	J	1	1	0.35	mg/l
2-SW21-03	15-Aug-03	L0308146-03	2320B	ALKALINITY, TOTAL	42	J	2	1	0.4	mg CaCO3/L
2-SW21-03	15-Aug-03	L0308146-03	2540C	SOLIDS, TOTAL DISSOLVED	210	J	10	1	2.8	mg/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW21-03	15-Aug-03	L0308146-03	2540D	SOLIDS, TOTAL SUSPENDED	21	J	5	1	5	mg/l
2-SW21-03	15-Aug-03	L0308146-03	5220D	CHEMICAL OXYGEN DEMAND	24	J	20	1	4.2	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	HARDNESS	56	J	1.7	1	0.056	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	ALUMINUM, TOTAL	0.039	J	0.1	1	0.017	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	ANTIMONY, TOTAL		UJ	0.05	1	0.002	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	ARSENIC, TOTAL		UJ	0.004	1	0.0034	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	BARIUM, TOTAL	0.03	J	0.01	1	0.0004	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	BERYLLIUM, TOTAL		UJ	0.002	1	0.0006	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	CADMIUM, TOTAL		UJ	0.002	1	0.0004	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	CALCIUM, TOTAL	17	J	0.1	1	0.0099	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	CHROMIUM, TOTAL		UJ	0.01	1	0.0008	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	COBALT, TOTAL	0.00083	U	0.02	1	0.0005	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	COPPER, TOTAL	0.0019	J	0.01	1	0.0018	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	IRON, TOTAL	2.9	J	0.05	1	0.014	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	LEAD, TOTAL		UJ	0.005	1	0.0048	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	MAGNESIUM, TOTAL	3.4	J	0.1	1	0.0075	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	MANGANESE, TOTAL	0.3	J	0.01	1	0.0005	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	MOLYBDENUM, TOTAL		UJ	0.05	1	0.0013	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	NICKEL, TOTAL		UJ	0.025	1	0.0018	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	POTASSIUM, TOTAL	2.1	U	1	1	0.1	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	SELENIUM, TOTAL		UJ	0.01	1	0.0025	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	SILVER, TOTAL		UJ	0.007	1	0.0007	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	SODIUM, TOTAL	56	J	1	1	0.055	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	THALLIUM, TOTAL		UJ	0.01	1	0.0035	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	VANADIUM, TOTAL		UJ	0.01	1	0.0008	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	ZINC, TOTAL	0.0053	J	0.05	1	0.0022	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	ALUMINUM, DISSOLVED	0.023	J	0.1	1	0.017	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	ANTIMONY, DISSOLVED		UJ	0.05	1	0.002	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	ARSENIC, DISSOLVED		UJ	0.004	1	0.0034	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	BARIUM, DISSOLVED	0.03	J	0.01	1	0.0004	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	BERYLLIUM, DISSOLVED		UJ	0.002	1	0.0006	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	CADMIUM, DISSOLVED		UJ	0.002	1	0.0004	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	CALCIUM, DISSOLVED	17	J	0.1	1	0.0099	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	CHROMIUM, DISSOLVED		UJ	0.01	1	0.0008	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	COBALT, DISSOLVED		UJ	0.02	1	0.0005	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	COPPER, DISSOLVED		UJ	0.01	1	0.0018	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	IRON, DISSOLVED	2.3	J	0.05	1	0.014	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	LEAD, DISSOLVED		UJ	0.005	1	0.0048	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	MAGNESIUM, DISSOLVED	3.4	J	0.1	1	0.0075	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	MANGANESE, DISSOLVED	0.3	J	0.01	1	0.0005	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	MOLYBDENUM, DISSOLVED		UJ	0.05	1	0.0013	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	NICKEL, DISSOLVED		UJ	0.025	1	0.0018	mg/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW21-03	15-Aug-03	L0308146-03	6010B	POTASSIUM, DISSOLVED	2.4	U	1	1	0.1	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	SELENIUM, DISSOLVED		UJ	0.01	1	0.0025	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	SILVER, DISSOLVED		UJ	0.007	1	0.0007	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	SODIUM, DISSOLVED	58	J	1	1	0.055	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	THALLIUM, DISSOLVED		UJ	0.01	1	0.0035	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	VANADIUM, DISSOLVED		UJ	0.01	1	0.0008	mg/l
2-SW21-03	15-Aug-03	L0308146-03	6010B	ZINC, DISSOLVED	0.0062	J	0.05	1	0.0022	mg/l
2-SW21-03	15-Aug-03	L0308146-03	7470A	MERCURY, TOTAL		UJ	0.0002	1	0.000012	mg/l
2-SW21-03	15-Aug-03	L0308146-03	7470A	MERCURY, DISSOLVED		UJ	0.0002	1	0.000012	mg/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	4-CHLOROANILINE		UJ	5	1	4.6	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	2-NITROANILINE		UJ	5	1	3.5	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	3-NITROANILINE		UJ	5	1	3.7	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	4-NITROANILINE		UJ	7	1	2.7	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	DIBENZOFURAN		UJ	5	1	3	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	2,4,6-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	P-CHLORO-M-CRESOL		UJ	5	1	3.3	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	2-CHLOROPHENOL		UJ	6	1	3.2	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	2,4-DICHLOROPHENOL		UJ	10	1	3.2	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	2,4-DIMETHYLPHENOL		J	10	1	3.5	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	2-NITROPHENOL		UJ	20	1	3	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	4-NITROPHENOL		UJ	10	1	1.9	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	2,4-DINITROPHENOL		UJ	20	1	2.3	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	4,6-DINITRO-O-CRESOL		UJ	20	1	2.3	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	PENTACHLOROPHENOL		UJ	20	1	3.1	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	PHENOL		UJ	7	1	1.8	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	2-METHYLPHENOL		UJ	6	1	3.1	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	3-METHYLPHENOL/4-METHYLPHENOL		UJ	6	1	2.8	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	2,4,5-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	CARBAZOLE		UJ	5	1	1.8	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	2-FLUOROPHENOL	28		0	1		%
2-SW21-03	15-Aug-03	L0308146-03	8270C	PHENOL-D6	20		0	1		%
2-SW21-03	15-Aug-03	L0308146-03	8270C	NITROBENZENE-D5	49		0	1		%
2-SW21-03	15-Aug-03	L0308146-03	8270C	2-FLUOROBIPHENYL	55		0	1		%
2-SW21-03	15-Aug-03	L0308146-03	8270C	2,4,6-TRIBROMOPHENOL	62		0	1		%
2-SW21-03	15-Aug-03	L0308146-03	8270C	4-TERPHENYL-D14	86		0	1		%
2-SW21-03	15-Aug-03	L0308146-03	8270C	1,2,4-TRICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	HEXACHLOROBENZENE		UJ	5	1	1.6	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	BIS(2-CHLOROETHYL)ETHER		UJ	5	1	1.8	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	1,2-DICHLOROBENZENE		UJ	5	1	1.3	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	1,3-DICHLOROBENZENE		UJ	5	1	1.1	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	1,4-DICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	3,3'-DICHLOROBENZIDINE		UJ	50	1	5.2	ug/l

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW21-03	15-Aug-03	L0308146-03	8270C	2,4-DINITROTOLUENE		UJ	6	1	1.4	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	2,6-DINITROTOLUENE		UJ	5	1	1.5	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	4-CHLOROPHENYL PHENYL ETHER		UJ	5	1	1.5	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	4-BROMOPHENYL PHENYL ETHER		UJ	5	1	1.7	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	BIS(2-CHLOROISOPROPYL)ETHER		UJ	5	1	2.3	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	BIS(2-CHLOROETHOXY)METHANE		UJ	5	1	1.7	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	HEXACHLOROBUTADIENE		UJ	10	1	1.2	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	HEXACHLOROETHANE		UJ	5	1	1	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	ISOPHORONE		UJ	5	1	1.8	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	NITROBENZENE		UJ	5	1	1.8	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		UJ	15	1	1.9	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	N-NITROSODI-N-PROPYLAMINE		UJ	5	1	1.8	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	BIS(2-ETHYLHEXYL)PHTHALATE	3.9	U	10	1	2.1	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	BUTYL BENZYL PHTHALATE		UJ	5	1	2.2	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	DI-N-BUTYLPHTHALATE		UJ	5	1	1.9	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	DI-N-OCTYLPHTHALATE		UJ	5	1	1.8	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	DIETHYL PHTHALATE		UJ	5	1	4.9	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C	DIMETHYL PHTHALATE		UJ	5	1	1.6	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C-SIM	ACENAPHTHENE		UJ	0.2	1	0.094	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C-SIM	2-CHLORONAPHTHALENE		UJ	0.2	1	0.083	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C-SIM	FLUORANTHENE		UJ	0.2	1	0.065	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C-SIM	NAPHTHALENE		UJ	0.2	1	0.1	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C-SIM	BENZO(A)ANTHRACENE	0.071	J	0.2	1	0.061	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C-SIM	BENZO(A)PYRENE		UJ	0.2	1	0.085	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C-SIM	BENZO(B)FLUORANTHENE		UJ	0.2	1	0.07	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	0.2	1	0.1	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C-SIM	CHRYSENE	0.081	J	0.2	1	0.06	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C-SIM	ACENAPHTHYLENE		UJ	0.2	1	0.091	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C-SIM	ANTHRACENE		UJ	0.2	1	0.062	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C-SIM	BENZO(GHI)PERYLENE		UJ	0.25	1	0.24	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C-SIM	FLUORENE		UJ	0.2	1	0.12	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C-SIM	PHENANTHRENE		UJ	0.2	1	0.088	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C-SIM	DIBENZO(A,H)ANTHRACENE		UJ	0.2	1	0.14	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C-SIM	INDENO(1,2,3-CD)PYRENE		UJ	0.2	1	0.19	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C-SIM	PYRENE		UJ	0.2	1	0.068	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C-SIM	2-METHYLNAPHTHALENE		UJ	0.2	1	0.19	ug/l
2-SW21-03	15-Aug-03	L0308146-03	8270C-SIM	NITROBENZENE-D5	47		0	1		%
2-SW21-03	15-Aug-03	L0308146-03	8270C-SIM	2-FLUOROBIPHENYL	47		0	1		%
2-SW21-03	15-Aug-03	L0308146-03	8270C-SIM	4-TERPHENYL-D14	74		0	1		%
2-SW22-03	15-Aug-03	L0308146-05	9038	SULFATE		UJ	10	1	1.3	mg/l
2-SW22-03	15-Aug-03	L0308146-05	9060	TOTAL ORGANIC CARBON	14	J	2	1	0.17	mg/l
2-SW22-03	15-Aug-03	L0308146-05	9251	CHLORIDE	74	J	1	1	0.35	mg/l

DATA SUMMARY TABLE
ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW22-03	15-Aug-03	L0308146-05	2320B	ALKALINITY, TOTAL	110	J	2	1	0.4	mg CaCO3/L
2-SW22-03	15-Aug-03	L0308146-05	2540C	SOLIDS, TOTAL DISSOLVED	250	J	10	1	2.8	mg/l
2-SW22-03	15-Aug-03	L0308146-05	2540D	SOLIDS, TOTAL SUSPENDED	140	J	10	1	10	mg/l
2-SW22-03	15-Aug-03	L0308146-05	5220D	CHEMICAL OXYGEN DEMAND	49	J	20	1	4.2	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	HARDNESS	110	J	1.7	1	0.056	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	ALUMINUM, TOTAL	0.26	J	0.1	1	0.017	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	ANTIMONY, TOTAL		UJ	0.05	1	0.002	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	ARSENIC, TOTAL	0.009	J	0.004	1	0.0034	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	BARIUM, TOTAL	0.08	J	0.01	1	0.0004	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	BERYLLIUM, TOTAL		UJ	0.002	1	0.0006	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	CADMIUM, TOTAL		UJ	0.002	1	0.0004	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	CALCIUM, TOTAL	36	J	0.1	1	0.0099	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	CHROMIUM, TOTAL		UJ	0.01	1	0.0008	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	COBALT, TOTAL	0.0016	U	0.02	1	0.0005	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	COPPER, TOTAL	0.0055	J	0.01	1	0.0018	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	IRON, TOTAL	40	J	0.05	1	0.014	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	LEAD, TOTAL		UJ	0.005	1	0.0048	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	MAGNESIUM, TOTAL	5.5	J	0.1	1	0.0075	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	MANGANESE, TOTAL	0.58	J	0.01	1	0.0005	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	MOLYBDENUM, TOTAL	0.0022	U	0.05	1	0.0013	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	NICKEL, TOTAL	0.00479	J	0.025	1	0.0018	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	POTASSIUM, TOTAL	2.7	J	1	1	0.1	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	SELENIUM, TOTAL		UJ	0.01	1	0.0025	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	SILVER, TOTAL		UJ	0.007	1	0.0007	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	SILVER, DISSOLVED		UJ	0.007	1	0.0007	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	SODIUM, DISSOLVED	45	J	1	1	0.055	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	THALLIUM, DISSOLVED		UJ	0.01	1	0.0035	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	VANADIUM, DISSOLVED	0.0023	U	0.01	1	0.0008	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	ZINC, DISSOLVED	0.0062	J	0.05	1	0.0022	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	SODIUM, TOTAL	45	J	1	1	0.055	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	THALLIUM, TOTAL		UJ	0.01	1	0.0035	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	VANADIUM, TOTAL	0.0044	U	0.01	1	0.0008	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	ZINC, TOTAL	0.025	J	0.05	1	0.0022	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	ALUMINUM, DISSOLVED	0.052	J	0.1	1	0.017	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	ANTIMONY, DISSOLVED	0.00357	U	0.05	1	0.002	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	ARSENIC, DISSOLVED	0.006	J	0.004	1	0.0034	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	BARIUM, DISSOLVED	0.06	J	0.01	1	0.0004	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	BERYLLIUM, DISSOLVED		UJ	0.002	1	0.0006	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	CADMIUM, DISSOLVED		UJ	0.002	1	0.0004	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	CALCIUM, DISSOLVED	34	J	0.1	1	0.0099	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	CHROMIUM, DISSOLVED		UJ	0.01	1	0.0008	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	COBALT, DISSOLVED	0.0015	U	0.02	1	0.0005	mg/l

DATA SUMMARY TABLE
ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW22-03	15-Aug-03	L0308146-05	6010B	COPPER, DISSOLVED	0.0018	U	0.01	1	0.0018	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	IRON, DISSOLVED	32	J	0.05	1	0.014	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	LEAD, DISSOLVED		UJ	0.005	1	0.0048	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	MAGNESIUM, DISSOLVED	5.2	J	0.1	1	0.0075	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	MANGANESE, DISSOLVED	0.56	J	0.01	1	0.0005	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	MOLYBDENUM, DISSOLVED	0.002	U	0.05	1	0.0013	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	NICKEL, DISSOLVED	0.00441	J	0.025	1	0.0018	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	POTASSIUM, DISSOLVED	2.8	U	1	1	0.1	mg/l
2-SW22-03	15-Aug-03	L0308146-05	6010B	SELENIUM, DISSOLVED		UJ	0.01	1	0.0025	mg/l
2-SW22-03	15-Aug-03	L0308146-05	7470A	MERCURY, TOTAL		UJ	0.0002	1	0.000012	mg/l
2-SW22-03	15-Aug-03	L0308146-05	7470A	MERCURY, DISSOLVED		UJ	0.0002	1	0.000012	mg/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	PENTACHLOROPHENOL		UJ	20	1	3.1	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	PHENOL		UJ	7	1	1.8	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	2-METHYLPHENOL		UJ	6	1	3.1	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	3-METHYLPHENOL/4-METHYLPHENOL		UJ	6	1	2.8	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	2,4,5-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	CARBAZOLE		UJ	5	1	1.8	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	2-FLUOROPHENOL	30		0	1		%
2-SW22-03	15-Aug-03	L0308146-05	8270C	PHENOL-D6	22		0	1		%
2-SW22-03	15-Aug-03	L0308146-05	8270C	NITROBENZENE-D5	55		0	1		%
2-SW22-03	15-Aug-03	L0308146-05	8270C	2-FLUOROBIPHENYL	61		0	1		%
2-SW22-03	15-Aug-03	L0308146-05	8270C	2,4,6-TRIBROMOPHENOL	72		0	1		%
2-SW22-03	15-Aug-03	L0308146-05	8270C	4-TERPHENYL-D14	95		0	1		%
2-SW22-03	15-Aug-03	L0308146-05	8270C	1,2,4-TRICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	HEXACHLOROBENZENE		UJ	5	1	1.6	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	BIS(2-CHLOROETHYL)ETHER		UJ	5	1	1.8	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	1,2-DICHLOROBENZENE		UJ	5	1	1.3	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	1,3-DICHLOROBENZENE		UJ	5	1	1.1	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	1,4-DICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	3,3'-DICHLOROBENZIDINE		UJ	50	1	5.2	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	2,4-DINITROTOLUENE		UJ	6	1	1.4	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	2,6-DINITROTOLUENE		UJ	5	1	1.5	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	4-CHLOROPHENYL PHENYL ETHER		UJ	5	1	1.5	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	4-BROMOPHENYL PHENYL ETHER		UJ	5	1	1.7	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	BIS(2-CHLOROISOPROPYL)ETHER		UJ	5	1	2.3	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	BIS(2-CHLOROETHOXY)METHANE		UJ	5	1	1.7	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	HEXACHLOROBUTADIENE		UJ	10	1	1.2	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	HEXACHLOROETHANE		UJ	5	1	1	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	ISOPHORONE		UJ	5	1	1.8	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	NITROBENZENE		UJ	5	1	1.8	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		UJ	15	1	1.9	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	N-NITROSODI-N-PROPYLAMINE		UJ	5	1	1.8	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW22-03	15-Aug-03	L0308146-05	8270C	BIS(2-ETHYLHEXYL)PHTHALATE	3.6	U	10	1	2.1	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	BUTYL BENZYL PHTHALATE		UJ	5	1	2.2	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	DI-N-BUTYLPHTHALATE		UJ	5	1	1.9	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	DI-N-OCTYLPHTHALATE		UJ	5	1	1.8	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	DIETHYL PHTHALATE		UJ	5	1	4.9	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	DIMETHYL PHTHALATE		UJ	5	1	1.6	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	4-CHLOROANILINE		UJ	5	1	4.6	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	2-NITROANILINE		UJ	5	1	3.5	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	3-NITROANILINE		UJ	5	1	3.7	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	4-NITROANILINE		UJ	7	1	2.7	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	DIBENZOFURAN		UJ	5	1	3	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	2,4,6-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	P-CHLORO-M-CRESOL		UJ	5	1	3.3	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	2-CHLOROPHENOL		UJ	6	1	3.2	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	2,4-DICHLOROPHENOL		UJ	10	1	3.2	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	2,4-DIMETHYLPHENOL		J	10	1	3.5	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	2-NITROPHENOL		UJ	20	1	3	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	4-NITROPHENOL		UJ	10	1	1.9	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	2,4-DINITROPHENOL		UJ	20	1	2.3	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C	4,6-DINITRO-O-CRESOL		UJ	20	1	2.3	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C-SIM	ACENAPHTHENE		UJ	0.2	1	0.094	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C-SIM	2-CHLORONAPHTHALENE		UJ	0.2	1	0.083	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C-SIM	FLUORANTHENE		UJ	0.2	1	0.065	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C-SIM	NAPHTHALENE		UJ	0.2	1	0.1	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C-SIM	BENZO(A)ANTHRACENE		UJ	0.2	1	0.061	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C-SIM	BENZO(A)PYRENE		UJ	0.2	1	0.085	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C-SIM	BENZO(B)FLUORANTHENE		UJ	0.2	1	0.07	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	0.2	1	0.1	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C-SIM	CHRYSENE		UJ	0.2	1	0.06	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C-SIM	ACENAPHTHYLENE		UJ	0.2	1	0.091	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C-SIM	ANTHRACENE		UJ	0.2	1	0.062	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C-SIM	BENZO(GHI)PERYLENE		UJ	0.25	1	0.24	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C-SIM	FLUORENE		UJ	0.2	1	0.12	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C-SIM	PHENANTHRENE		UJ	0.2	1	0.088	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C-SIM	DIBENZO(A,H)ANTHRACENE		UJ	0.2	1	0.14	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C-SIM	INDENO(1,2,3-CD)PYRENE		UJ	0.2	1	0.19	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C-SIM	PYRENE		UJ	0.2	1	0.068	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C-SIM	2-METHYLNAPHTHALENE		UJ	0.2	1	0.19	ug/l
2-SW22-03	15-Aug-03	L0308146-05	8270C-SIM	NITROBENZENE-D5	55		0	1		%
2-SW22-03	15-Aug-03	L0308146-05	8270C-SIM	2-FLUOROBIPHENYL	54		0	1		%
2-SW22-03	15-Aug-03	L0308146-05	8270C-SIM	4-TERPHENYL-D14	86		0	1		%
2-SW23-03	15-Aug-03	L0308146-06	9038	SULFATE		UJ	10	1	1.3	mg/l

DATA SUMMARY TABLE
ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW23-03	15-Aug-03	L0308146-06	9060	TOTAL ORGANIC CARBON	13	J	2	1	0.17	mg/l
2-SW23-03	15-Aug-03	L0308146-06	9251	CHLORIDE	97	J	1	1	0.35	mg/l
2-SW23-03	15-Aug-03	L0308146-06	2320B	ALKALINITY, TOTAL	120	J	2	1	0.4	mg CaCO3/L
2-SW23-03	15-Aug-03	L0308146-06	2540C	SOLIDS, TOTAL DISSOLVED	300	J	10	1	2.8	mg/l
2-SW23-03	15-Aug-03	L0308146-06	2540D	SOLIDS, TOTAL SUSPENDED	140	J	10	1	10	mg/l
2-SW23-03	15-Aug-03	L0308146-06	5220D	CHEMICAL OXYGEN DEMAND	93	J	20	1	4.2	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	BERYLLIUM, TOTAL		UJ	0.002	1	0.0006	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	CADMIUM, TOTAL		UJ	0.002	1	0.0004	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	CALCIUM, TOTAL	38	J	0.1	1	0.0099	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	CHROMIUM, TOTAL		UJ	0.01	1	0.0008	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	COBALT, TOTAL	0.005	J	0.02	1	0.0005	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	COPPER, TOTAL	0.0073	J	0.01	1	0.0018	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	IRON, TOTAL	20	J	0.05	1	0.014	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	LEAD, TOTAL		UJ	0.005	1	0.0048	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	MAGNESIUM, TOTAL	8.5	J	0.1	1	0.0075	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	MANGANESE, TOTAL	0.76	J	0.01	1	0.0005	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	MOLYBDENUM, TOTAL		UJ	0.05	1	0.0013	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	NICKEL, TOTAL	0.0108	J	0.025	1	0.0018	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	POTASSIUM, TOTAL	1.7	U	1	1	0.1	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	SELENIUM, TOTAL		UJ	0.01	1	0.0025	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	SILVER, TOTAL		UJ	0.007	1	0.0007	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	SODIUM, TOTAL	63	J	1	1	0.055	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	THALLIUM, TOTAL		UJ	0.01	1	0.0035	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	VANADIUM, TOTAL	0.0047	U	0.01	1	0.0008	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	ZINC, TOTAL	0.18	J	0.05	1	0.0022	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	ALUMINUM, DISSOLVED	0.075	J	0.1	1	0.017	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	ANTIMONY, DISSOLVED		UJ	0.05	1	0.002	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	HARDNESS	130	J	1.7	1	0.056	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	ALUMINUM, TOTAL	0.72	J	0.1	1	0.017	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	ANTIMONY, TOTAL		UJ	0.05	1	0.002	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	ARSENIC, TOTAL	0.004	J	0.004	1	0.0034	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	BARIUM, TOTAL	0.08	J	0.01	1	0.0004	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	ARSENIC, DISSOLVED	0.004	J	0.004	1	0.0034	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	BARIUM, DISSOLVED	0.07	J	0.01	1	0.0004	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	BERYLLIUM, DISSOLVED		UJ	0.002	1	0.0006	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	CADMIUM, DISSOLVED		UJ	0.002	1	0.0004	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	CALCIUM, DISSOLVED	38	J	0.1	1	0.0099	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	CHROMIUM, DISSOLVED		UJ	0.01	1	0.0008	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	COBALT, DISSOLVED	0.0043	J	0.02	1	0.0005	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	COPPER, DISSOLVED		UJ	0.01	1	0.0018	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	IRON, DISSOLVED	11	J	0.05	1	0.014	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	LEAD, DISSOLVED		UJ	0.005	1	0.0048	mg/l

DATA SUMMARY TABLE
ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW23-03	15-Aug-03	L0308146-06	6010B	MAGNESIUM, DISSOLVED	8	J	0.1	1	0.0075	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	MANGANESE, DISSOLVED	0.75	J	0.01	1	0.0005	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	MOLYBDENUM, DISSOLVED		UJ	0.05	1	0.0013	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	NICKEL, DISSOLVED	0.00759	J	0.025	1	0.0018	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	POTASSIUM, DISSOLVED	1.8	U	1	1	0.1	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	SELENIUM, DISSOLVED		UJ	0.01	1	0.0025	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	SILVER, DISSOLVED		UJ	0.007	1	0.0007	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	SODIUM, DISSOLVED	64	J	1	1	0.055	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	THALLIUM, DISSOLVED		UJ	0.01	1	0.0035	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	VANADIUM, DISSOLVED	0.0018	U	0.01	1	0.0008	mg/l
2-SW23-03	15-Aug-03	L0308146-06	6010B	ZINC, DISSOLVED	0.038	J	0.05	1	0.0022	mg/l
2-SW23-03	15-Aug-03	L0308146-06	7470A	MERCURY, TOTAL		UJ	0.0002	1	0.000012	mg/l
2-SW23-03	15-Aug-03	L0308146-06	7470A	MERCURY, DISSOLVED		UJ	0.0002	1	0.000012	mg/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	HEXACHLOROBENZENE		UJ	5	1	1.6	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	BIS(2-CHLOROETHYL)ETHER		UJ	5	1	1.8	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	1,2-DICHLOROBENZENE		UJ	5	1	1.3	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	1,3-DICHLOROBENZENE		UJ	5	1	1.1	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	1,4-DICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	3,3'-DICHLOROBENZIDINE		UJ	50	1	5.2	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	2,4-DINITROTOLUENE		UJ	6	1	1.4	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	2,6-DINITROTOLUENE		UJ	5	1	1.5	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	4-CHLOROPHENYL PHENYL ETHER		UJ	5	1	1.5	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	4-BROMOPHENYL PHENYL ETHER		UJ	5	1	1.7	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	BIS(2-CHLOROISOPROPYL)ETHER		UJ	5	1	2.3	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	BIS(2-CHLOROETHOXY)METHANE		UJ	5	1	1.7	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	HEXACHLOROBUTADIENE		UJ	10	1	1.2	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	HEXACHLOROETHANE		UJ	5	1	1	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	ISOPHORONE		UJ	5	1	1.8	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	NITROBENZENE		UJ	5	1	1.8	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		UJ	15	1	1.9	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	N-NITROSODI-N-PROPYLAMINE		UJ	5	1	1.8	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	BIS(2-ETHYLHEXYL)PHTHALATE	3.7	U	10	1	2.1	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	BUTYL BENZYL PHTHALATE		UJ	5	1	2.2	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	DI-N-BUTYLPHTHALATE		UJ	5	1	1.9	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	DI-N-OCTYLPHTHALATE		UJ	5	1	1.8	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	DIETHYL PHTHALATE		UJ	5	1	4.9	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	DIMETHYL PHTHALATE		UJ	5	1	1.6	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	4-CHLOROANILINE		UJ	5	1	4.6	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	2-NITROANILINE		UJ	5	1	3.5	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	3-NITROANILINE		UJ	5	1	3.7	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	4-NITROANILINE		UJ	7	1	2.7	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	DIBENZOFURAN		UJ	5	1	3	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW23-03	15-Aug-03	L0308146-06	8270C	2,4,6-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	P-CHLORO-M-CRESOL		UJ	5	1	3.3	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	2-CHLOROPHENOL		UJ	6	1	3.2	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	2,4-DICHLOROPHENOL		UJ	10	1	3.2	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	2,4-DIMETHYLPHENOL		J	10	1	3.5	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	2-NITROPHENOL		UJ	20	1	3	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	4-NITROPHENOL		UJ	10	1	1.9	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	2,4-DINITROPHENOL		UJ	20	1	2.3	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	4,6-DINITRO-O-CRESOL		UJ	20	1	2.3	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	PENTACHLOROPHENOL		UJ	20	1	3.1	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	PHENOL		UJ	7	1	1.8	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	2-METHYLPHENOL		UJ	6	1	3.1	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	3-METHYLPHENOL/4-METHYLPHENOL		UJ	6	1	2.8	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	2,4,5-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	CARBAZOLE		UJ	5	1	1.8	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C	2-FLUOROPHENOL	32		0	1		%
2-SW23-03	15-Aug-03	L0308146-06	8270C	PHENOL-D6	24		0	1		%
2-SW23-03	15-Aug-03	L0308146-06	8270C	NITROBENZENE-D5	57		0	1		%
2-SW23-03	15-Aug-03	L0308146-06	8270C	2-FLUOROBIPHENYL	63		0	1		%
2-SW23-03	15-Aug-03	L0308146-06	8270C	2,4,6-TRIBROMOPHENOL	66		0	1		%
2-SW23-03	15-Aug-03	L0308146-06	8270C	4-TERPHENYL-D14	80		0	1		%
2-SW23-03	15-Aug-03	L0308146-06	8270C	1,2,4-TRICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C-SIM	ACENAPHTHENE		UJ	0.2	1	0.094	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C-SIM	2-CHLORONAPHTHALENE		UJ	0.2	1	0.083	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C-SIM	FLUORANTHENE	0.08	J	0.2	1	0.065	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C-SIM	NAPHTHALENE		UJ	0.2	1	0.1	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C-SIM	BENZO(A)ANTHRACENE		UJ	0.2	1	0.061	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C-SIM	BENZO(A)PYRENE		UJ	0.2	1	0.085	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C-SIM	BENZO(B)FLUORANTHENE		UJ	0.2	1	0.07	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	0.2	1	0.1	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C-SIM	CHRYSENE		UJ	0.2	1	0.06	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C-SIM	ACENAPHTHYLENE		UJ	0.2	1	0.091	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C-SIM	ANTHRACENE		UJ	0.2	1	0.062	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C-SIM	BENZO(GHI)PERYLENE		UJ	0.25	1	0.24	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C-SIM	FLUORENE		UJ	0.2	1	0.12	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C-SIM	PHENANTHRENE		UJ	0.2	1	0.088	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C-SIM	DIBENZO(A,H)ANTHRACENE		UJ	0.2	1	0.14	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C-SIM	INDENO(1,2,3-CD)PYRENE		UJ	0.2	1	0.19	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C-SIM	PYRENE	0.086	J	0.2	1	0.068	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C-SIM	2-METHYLNAPHTHALENE		UJ	0.2	1	0.19	ug/l
2-SW23-03	15-Aug-03	L0308146-06	8270C-SIM	NITROBENZENE-D5	55		0	1		%
2-SW23-03	15-Aug-03	L0308146-06	8270C-SIM	2-FLUOROBIPHENYL	54		0	1		%

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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW23-03	15-Aug-03	L0308146-06	8270C-SIM	4-TERPHENYL-D14	73		0	1		%
2-SW24-03	15-Aug-03	L0308146-07	9038	SULFATE		UJ	10	1	1.3	mg/l
2-SW24-03	15-Aug-03	L0308146-07	9060	TOTAL ORGANIC CARBON	34	J	2	1	0.17	mg/l
2-SW24-03	15-Aug-03	L0308146-07	9251	CHLORIDE	240	J	1	1	0.35	mg/l
2-SW24-03	15-Aug-03	L0308146-07	9251	CHLORIDE	240	J	10	1	1	mg/l
2-SW24-03	15-Aug-03	L0308146-07	2320B	ALKALINITY, TOTAL	82	J	2	1	0.4	mg CaCO3/L
2-SW24-03	15-Aug-03	L0308146-07	2540C	SOLIDS, TOTAL DISSOLVED	490	J	10	1	2.8	mg/l
2-SW24-03	15-Aug-03	L0308146-07	2540D	SOLIDS, TOTAL SUSPENDED	1500	J	50	1	50	mg/l
2-SW24-03	15-Aug-03	L0308146-07	5220D	CHEMICAL OXYGEN DEMAND	610	J	20	1	4.2	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	HARDNESS	210	J	1.7	1	0.056	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	HARDNESS	130	J	1.7	1	0.056	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	ALUMINUM, TOTAL	56	J	0.1	1	0.017	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	ANTIMONY, TOTAL	0.0025	U	0.05	1	0.002	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	ARSENIC, TOTAL	0.19	J	0.004	1	0.0034	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	BARIUM, TOTAL	1.1	J	0.01	1	0.0004	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	BERYLLIUM, TOTAL	0.002	U	0.002	1	0.0006	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	CADMIUM, TOTAL		UJ	0.002	1	0.0004	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	CALCIUM, TOTAL	30	J	0.1	1	0.0099	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	CHROMIUM, TOTAL	0.07	J	0.01	1	0.0008	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	COBALT, TOTAL	0.06	J	0.02	1	0.0005	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	COPPER, TOTAL	0.29	J	0.01	1	0.0018	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	IRON, TOTAL	430	J	0.5	1	0.14	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	LEAD, TOTAL	0.198	J	0.005	1	0.0048	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	MAGNESIUM, TOTAL	33	J	0.1	1	0.0075	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	MANGANESE, TOTAL	3.8	J	0.01	1	0.0005	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	MOLYBDENUM, TOTAL	0.013	U	0.05	1	0.0013	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	NICKEL, TOTAL	0.132	J	0.025	1	0.0018	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	POTASSIUM, TOTAL	7.5	J	1	1	0.1	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	SELENIUM, TOTAL		UJ	0.01	1	0.0025	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	SILVER, TOTAL		UJ	0.007	1	0.0007	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	SODIUM, TOTAL	130	J	1	1	0.055	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	THALLIUM, TOTAL		UJ	0.1	1	0.035	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	VANADIUM, TOTAL	0.2	J	0.01	1	0.0008	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	ZINC, TOTAL	0.88	J	0.05	1	0.0022	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	ALUMINUM, DISSOLVED	1.3	J	0.1	1	0.017	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	ANTIMONY, DISSOLVED		UJ	0.05	1	0.002	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	ARSENIC, DISSOLVED	0.014	J	0.004	1	0.0034	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	BARIUM, DISSOLVED	0.19	J	0.01	1	0.0004	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	BERYLLIUM, DISSOLVED		UJ	0.002	1	0.0006	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	CADMIUM, DISSOLVED		UJ	0.002	1	0.0004	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	CALCIUM, DISSOLVED	17	J	0.1	1	0.0099	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	CHROMIUM, DISSOLVED		UJ	0.01	1	0.0008	mg/l

DATA SUMMARY TABLE
ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW24-03	15-Aug-03	L0308146-07	6010B	COBALT, DISSOLVED	0.0091	J	0.02	1	0.0005	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	COPPER, DISSOLVED	0.0074	U	0.01	1	0.0018	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	IRON, DISSOLVED	52	J	0.05	1	0.014	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	LEAD, DISSOLVED		UJ	0.005	1	0.0048	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	MAGNESIUM, DISSOLVED	13	J	0.1	1	0.0075	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	MANGANESE, DISSOLVED	1.4	J	0.01	1	0.0005	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	MOLYBDENUM, DISSOLVED	0.0027	U	0.05	1	0.0013	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	NICKEL, DISSOLVED	0.00776	J	0.025	1	0.0018	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	POTASSIUM, DISSOLVED	7.9	J	1	1	0.1	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	SELENIUM, DISSOLVED		UJ	0.01	1	0.0025	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	SILVER, DISSOLVED		UJ	0.007	1	0.0007	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	SODIUM, DISSOLVED	140	J	1	1	0.055	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	THALLIUM, DISSOLVED		UJ	0.01	1	0.0035	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	VANADIUM, DISSOLVED	0.0056	J	0.01	1	0.0008	mg/l
2-SW24-03	15-Aug-03	L0308146-07	6010B	ZINC, DISSOLVED	0.017	J	0.05	1	0.0022	mg/l
2-SW24-03	15-Aug-03	L0308146-07	7470A	MERCURY, TOTAL	0.0004	J	0.0002	1	0.000012	mg/l
2-SW24-03	15-Aug-03	L0308146-07	7470A	MERCURY, DISSOLVED		UJ	0.0002	1	0.000012	mg/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	3,3'-DICHLOROBENZIDINE		UJ	50	1	5.2	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	2,4-DINITROTOLUENE		UJ	6	1	1.4	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	2,6-DINITROTOLUENE		UJ	5	1	1.5	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	4-CHLOROPHENYL PHENYL ETHER		UJ	5	1	1.5	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	4-BROMOPHENYL PHENYL ETHER		UJ	5	1	1.7	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	BIS(2-CHLOROISOPROPYL)ETHER		UJ	5	1	2.3	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	BIS(2-CHLOROETHOXY)METHANE		UJ	5	1	1.7	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	HEXACHLOROBUTADIENE		UJ	10	1	1.2	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	HEXACHLOROETHANE		UJ	5	1	1	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	ISOPHORONE		UJ	5	1	1.8	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	NITROBENZENE		UJ	5	1	1.8	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		UJ	15	1	1.9	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	N-NITROSODI-N-PROPYLAMINE		UJ	5	1	1.8	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	BIS(2-ETHYLHEXYL)PHTHALATE	3.9	U	10	1	2.1	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	BUTYL BENZYL PHTHALATE		UJ	5	1	2.2	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	DI-N-BUTYLPHTHALATE		UJ	5	1	1.9	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	DI-N-OCTYLPHTHALATE		UJ	5	1	1.8	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	DIETHYL PHTHALATE		UJ	5	1	4.9	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	DIMETHYL PHTHALATE		UJ	5	1	1.6	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	4-CHLOROANILINE		UJ	5	1	4.6	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	2-NITROANILINE		UJ	5	1	3.5	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	3-NITROANILINE		UJ	5	1	3.7	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	4-NITROANILINE		UJ	7	1	2.7	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	DIBENZOFURAN		UJ	5	1	3	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	2,4,6-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW24-03	15-Aug-03	L0308146-07	8270C	P-CHLORO-M-CRESOL		UJ	5	1	3.3	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	2-CHLOROPHENOL		UJ	6	1	3.2	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	2,4-DICHLOROPHENOL		UJ	10	1	3.2	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	2,4-DIMETHYLPHENOL		J	10	1	3.5	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	2-NITROPHENOL		UJ	20	1	3	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	4-NITROPHENOL		UJ	10	1	1.9	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	2,4-DINITROPHENOL		UJ	20	1	2.3	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	4,6-DINITRO-O-CRESOL		UJ	20	1	2.3	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	PENTACHLOROPHENOL		UJ	20	1	3.1	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	PHENOL		UJ	7	1	1.8	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	2-METHYLPHENOL		UJ	6	1	3.1	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	3-METHYLPHENOL/4-METHYLPHENOL		UJ	6	1	2.8	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	2,4,5-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	CARBAZOLE		UJ	5	1	1.8	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	2-FLUOROPHENOL	31		0	1		%
2-SW24-03	15-Aug-03	L0308146-07	8270C	PHENOL-D6	23		0	1		%
2-SW24-03	15-Aug-03	L0308146-07	8270C	NITROBENZENE-D5	61		0	1		%
2-SW24-03	15-Aug-03	L0308146-07	8270C	2-FLUOROBIPHENYL	71		0	1		%
2-SW24-03	15-Aug-03	L0308146-07	8270C	2,4,6-TRIBROMOPHENOL	65		0	1		%
2-SW24-03	15-Aug-03	L0308146-07	8270C	4-TERPHENYL-D14	86		0	1		%
2-SW24-03	15-Aug-03	L0308146-07	8270C	1,2,4-TRICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	HEXACHLOROBENZENE		UJ	5	1	1.6	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	BIS(2-CHLOROETHYL)ETHER		UJ	5	1	1.8	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	1,2-DICHLOROBENZENE		UJ	5	1	1.3	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	1,3-DICHLOROBENZENE		UJ	5	1	1.1	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C	1,4-DICHLOROBENZENE		UJ	5	1	1.2	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C-SIM	ACENAPHTHENE		UJ	0.2	1	0.094	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C-SIM	2-CHLORONAPHTHALENE		UJ	0.2	1	0.083	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C-SIM	FLUORANTHENE	0.36	J	0.2	1	0.065	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C-SIM	NAPHTHALENE		UJ	0.2	1	0.1	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C-SIM	BENZO(A)ANTHRACENE	0.12	J	0.2	1	0.061	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C-SIM	BENZO(A)PYRENE	0.22	J	0.2	1	0.085	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C-SIM	BENZO(B)FLUORANTHENE	0.4	J	0.2	1	0.07	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C-SIM	BENZO(K)FLUORANTHENE	0.42	J	0.2	1	0.1	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C-SIM	CHRYSENE	0.23	J	0.2	1	0.06	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C-SIM	ACENAPHTHYLENE		UJ	0.2	1	0.091	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C-SIM	ANTHRACENE		UJ	0.2	1	0.062	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C-SIM	BENZO(GHI)PERYLENE		UJ	0.25	1	0.24	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C-SIM	FLUORENE		UJ	0.2	1	0.12	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C-SIM	PHENANTHRENE	0.18	J	0.2	1	0.088	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C-SIM	DIBENZO(A,H)ANTHRACENE		UJ	0.2	1	0.14	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C-SIM	INDENO(1,2,3-CD)PYRENE		UJ	0.2	1	0.19	ug/l

DATA SUMMARY TABLE
ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
2-SW24-03	15-Aug-03	L0308146-07	8270C-SIM	PYRENE	0.33	J	0.2	1	0.068	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C-SIM	2-METHYLNAPHTHALENE		UJ	0.2	1	0.19	ug/l
2-SW24-03	15-Aug-03	L0308146-07	8270C-SIM	NITROBENZENE-D5	64		0	1		%
2-SW24-03	15-Aug-03	L0308146-07	8270C-SIM	2-FLUOROBIPHENYL	63		0	1		%
2-SW24-03	15-Aug-03	L0308146-07	8270C-SIM	4-TERPHENYL-D14	78		0	1		%
3-SP01-03	15-Aug-03	L0308146-02	9038	SULFATE	28	J	10	1	1.3	mg/l
3-SP01-03	15-Aug-03	L0308146-02	9060	TOTAL ORGANIC CARBON	4.7	J	2	1	0.17	mg/l
3-SP01-03	15-Aug-03	L0308146-02	9251	CHLORIDE	340	J	10	1	0.35	mg/l
3-SP01-03	15-Aug-03	L0308146-02	2320B	ALKALINITY, TOTAL	110	J	2	1	0.4	mg CaCO3/L
3-SP01-03	15-Aug-03	L0308146-02	2540C	SOLIDS, TOTAL DISSOLVED	730	J	10	1	2.8	mg/l
3-SP01-03	15-Aug-03	L0308146-02	2540D	SOLIDS, TOTAL SUSPENDED	17	J	5	1	5	mg/l
3-SP01-03	15-Aug-03	L0308146-02	5220D	CHEMICAL OXYGEN DEMAND	150	J	20	1	4.2	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	HARDNESS	170	J	1.7	1	0.056	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	ALUMINUM, TOTAL	0.83	J	0.1	1	0.017	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	ANTIMONY, TOTAL	0.00287	U	0.05	1	0.002	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	ARSENIC, TOTAL		UJ	0.004	1	0.0034	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	BARIUM, TOTAL	0.08	J	0.01	1	0.0004	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	BERYLLIUM, TOTAL		UJ	0.002	1	0.0006	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	CADMIUM, TOTAL		UJ	0.002	1	0.0004	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	CALCIUM, TOTAL	32	J	0.1	1	0.0099	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	CHROMIUM, TOTAL		UJ	0.01	1	0.0008	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	COBALT, TOTAL	0.0019	U	0.02	1	0.0005	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	COPPER, TOTAL	0.0033	J	0.01	1	0.0018	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	IRON, TOTAL	17	J	0.05	1	0.014	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	LEAD, TOTAL		UJ	0.005	1	0.0048	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	MAGNESIUM, TOTAL	20	J	0.1	1	0.0075	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	MANGANESE, TOTAL	2.4	J	0.01	1	0.0005	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	MOLYBDENUM, TOTAL		UJ	0.05	1	0.0013	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	NICKEL, TOTAL		UJ	0.025	1	0.0018	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	POTASSIUM, TOTAL	9	J	1	1	0.1	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	SELENIUM, TOTAL		UJ	0.01	1	0.0025	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	SILVER, TOTAL		UJ	0.007	1	0.0007	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	SODIUM, TOTAL	180	J	1	1	0.055	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	THALLIUM, TOTAL		UJ	0.01	1	0.0035	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	VANADIUM, TOTAL	0.0014	U	0.01	1	0.0008	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	ZINC, TOTAL	0.027	J	0.05	1	0.0022	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	ALUMINUM, DISSOLVED	0.024	J	0.1	1	0.017	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	ANTIMONY, DISSOLVED		UJ	0.05	1	0.002	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	ARSENIC, DISSOLVED		UJ	0.004	1	0.0034	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	BARIUM, DISSOLVED	0.07	J	0.01	1	0.0004	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	BERYLLIUM, DISSOLVED		UJ	0.002	1	0.0006	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	CADMIUM, DISSOLVED		UJ	0.002	1	0.0004	mg/l

DATA SUMMARY TABLE
ANNUAL GROUNDWATER MONITORING REPORT
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
3-SP01-03	15-Aug-03	L0308146-02	6010B	CALCIUM, DISSOLVED	32	J	0.1	1	0.0099	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	CHROMIUM, DISSOLVED		UJ	0.01	1	0.0008	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	COBALT, DISSOLVED	0.0018	U	0.02	1	0.0005	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	COPPER, DISSOLVED		UJ	0.01	1	0.0018	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	IRON, DISSOLVED	9.6	J	0.05	1	0.014	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	LEAD, DISSOLVED		UJ	0.005	1	0.0048	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	MAGNESIUM, DISSOLVED	21	J	0.1	1	0.0075	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	MANGANESE, DISSOLVED	2.5	J	0.01	1	0.0005	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	MOLYBDENUM, DISSOLVED		UJ	0.05	1	0.0013	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	NICKEL, DISSOLVED		UJ	0.025	1	0.0018	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	POTASSIUM, DISSOLVED	9.9	J	1	1	0.1	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	SELENIUM, DISSOLVED		UJ	0.01	1	0.0025	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	SILVER, DISSOLVED	0.00105	U	0.007	1	0.0007	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	SODIUM, DISSOLVED	200	J	1	1	0.055	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	THALLIUM, DISSOLVED		UJ	0.01	1	0.0035	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	VANADIUM, DISSOLVED		UJ	0.01	1	0.0008	mg/l
3-SP01-03	15-Aug-03	L0308146-02	6010B	ZINC, DISSOLVED	0.018	J	0.05	1	0.0022	mg/l
3-SP01-03	15-Aug-03	L0308146-02	7470A	MERCURY, TOTAL		UJ	0.0002	1	0.000012	mg/l
3-SP01-03	15-Aug-03	L0308146-02	7470A	MERCURY, DISSOLVED		UJ	0.0002	1	0.000012	mg/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	1,2,4-TRICHLOROBENZENE		UJ	5	1	1.2	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	HEXACHLOROBENZENE		UJ	5	1	1.6	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	BIS(2-CHLOROETHYL)ETHER		UJ	5	1	1.8	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	1,2-DICHLOROBENZENE		UJ	5	1	1.3	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	1,3-DICHLOROBENZENE		UJ	5	1	1.1	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	1,4-DICHLOROBENZENE		UJ	5	1	1.2	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	3,3'-DICHLOROBENZIDINE		UJ	50	1	5.2	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	2,4-DINITROTOLUENE		UJ	6	1	1.4	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	2,6-DINITROTOLUENE		UJ	5	1	1.5	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	4-CHLOROPHENYL PHENYL ETHER		UJ	5	1	1.5	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	4-BROMOPHENYL PHENYL ETHER		UJ	5	1	1.7	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	BIS(2-CHLOROISOPROPYL)ETHER		UJ	5	1	2.3	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	BIS(2-CHLOROETHOXY)METHANE		UJ	5	1	1.7	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	HEXACHLOROBUTADIENE		UJ	10	1	1.2	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	HEXACHLOROETHANE		UJ	5	1	1	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	ISOPHORONE		UJ	5	1	1.8	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	NITROBENZENE		UJ	5	1	1.8	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		UJ	15	1	1.9	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	N-NITROSODI-N-PROPYLAMINE		UJ	5	1	1.8	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	BIS(2-ETHYLHEXYL)PHTHALATE		UJ	10	1	2.1	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	BUTYL BENZYL PHTHALATE		UJ	5	1	2.2	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	DI-N-BUTYLPHTHALATE		UJ	5	1	1.9	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	DI-N-OCTYLPHTHALATE		UJ	5	1	1.8	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
3-SP01-03	15-Aug-03	L0308146-02	8270C	DIETHYL PHTHALATE		UJ	5	1	4.9	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	DIMETHYL PHTHALATE		UJ	5	1	1.6	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	4-CHLOROANILINE		UJ	5	1	4.6	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	2-NITROANILINE		UJ	5	1	3.5	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	3-NITROANILINE		UJ	5	1	3.7	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	4-NITROANILINE		UJ	7	1	2.7	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	DIBENZOFURAN		UJ	5	1	3	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	2,4,6-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	P-CHLORO-M-CRESOL		UJ	5	1	3.3	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	2-CHLOROPHENOL		UJ	6	1	3.2	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	2,4-DICHLOROPHENOL		UJ	10	1	3.2	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	2,4-DIMETHYLPHENOL		J	10	1	3.5	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	2-NITROPHENOL		UJ	20	1	3	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	4-NITROPHENOL		UJ	10	1	1.9	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	2,4-DINITROPHENOL		UJ	20	1	2.3	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	4,6-DINITRO-O-CRESOL		UJ	20	1	2.3	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	PENTACHLOROPHENOL		UJ	20	1	3.1	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	PHENOL		UJ	7	1	1.8	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	2-METHYLPHENOL		UJ	6	1	3.1	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	3-METHYLPHENOL/4-METHYLPHENOL		UJ	6	1	2.8	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	2,4,5-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	CARBAZOLE		UJ	5	1	1.8	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C	2-FLUOROPHENOL	29		0	1		%
3-SP01-03	15-Aug-03	L0308146-02	8270C	PHENOL-D6	20		0	1		%
3-SP01-03	15-Aug-03	L0308146-02	8270C	NITROBENZENE-D5	51		0	1		%
3-SP01-03	15-Aug-03	L0308146-02	8270C	2-FLUOROBIPHENYL	56		0	1		%
3-SP01-03	15-Aug-03	L0308146-02	8270C	2,4,6-TRIBROMOPHENOL	65		0	1		%
3-SP01-03	15-Aug-03	L0308146-02	8270C	4-TERPHENYL-D14	98		0	1		%
3-SP01-03	15-Aug-03	L0308146-02	8270C-SIM	ACENAPHTHENE		UJ	0.2	1	0.094	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C-SIM	2-CHLORONAPHTHALENE		UJ	0.2	1	0.083	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C-SIM	FLUORANTHENE		UJ	0.2	1	0.065	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C-SIM	NAPHTHALENE		UJ	0.2	1	0.1	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C-SIM	BENZO(A)ANTHRACENE	0.098	J	0.2	1	0.061	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C-SIM	BENZO(A)PYRENE		UJ	0.2	1	0.085	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C-SIM	BENZO(B)FLUORANTHENE		UJ	0.2	1	0.07	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C-SIM	BENZO(K)FLUORANTHENE		UJ	0.2	1	0.1	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C-SIM	CHRYSENE	0.11	J	0.2	1	0.06	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C-SIM	ACENAPHTHYLENE		UJ	0.2	1	0.091	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C-SIM	ANTHRACENE		UJ	0.2	1	0.062	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C-SIM	BENZO(GHI)PERYLENE		UJ	0.25	1	0.24	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C-SIM	FLUORENE		UJ	0.2	1	0.12	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C-SIM	PHENANTHRENE		UJ	0.2	1	0.088	ug/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
3-SP01-03	15-Aug-03	L0308146-02	8270C-SIM	DIBENZO(A,H)ANTHRACENE		UJ	0.2	1	0.14	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C-SIM	INDENO(1,2,3-CD)PYRENE		UJ	0.2	1	0.19	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C-SIM	PYRENE		UJ	0.2	1	0.068	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C-SIM	2-METHYLNAPHTHALENE		UJ	0.2	1	0.19	ug/l
3-SP01-03	15-Aug-03	L0308146-02	8270C-SIM	NITROBENZENE-D5	50		0	1		%
3-SP01-03	15-Aug-03	L0308146-02	8270C-SIM	2-FLUOROBIPHENYL	50		0	1		%
3-SP01-03	15-Aug-03	L0308146-02	8270C-SIM	4-TERPHENYL-D14	86		0	1		%
FD-081803-03	18-Aug-03	L0308246-04	9038	SULFATE		U	10	1	1.3	mg/l
FD-081803-03	18-Aug-03	L0308246-04	9060	TOTAL ORGANIC CARBON	6.5		2	1	0.17	mg/l
FD-081803-03	18-Aug-03	L0308246-04	9251	CHLORIDE	87		1	1	0.35	mg/l
FD-081803-03	18-Aug-03	L0308246-04	2320B	ALKALINITY, TOTAL	61		2	1	0.4	mg CaCO3/L
FD-081803-03	18-Aug-03	L0308246-04	2540C	SOLIDS, TOTAL DISSOLVED	250		20	1	5.7	mg/l
FD-081803-03	18-Aug-03	L0308246-04	2540D	SOLIDS, TOTAL SUSPENDED	23		10	1	10	mg/l
FD-081803-03	18-Aug-03	L0308246-04	5220D	CHEMICAL OXYGEN DEMAND	34		20	1	4.2	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	CHROMIUM, DISSOLVED		U	0.01	1	0.0008	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	COBALT, DISSOLVED	0.0011	U	0.02	1	0.0005	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	COPPER, DISSOLVED		U	0.01	1	0.0018	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	IRON, DISSOLVED	6		0.05	1	0.014	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	LEAD, DISSOLVED		U	0.005	1	0.0048	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	MAGNESIUM, DISSOLVED	6.8		0.1	1	0.0075	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	MANGANESE, DISSOLVED	0.41		0.01	1	0.0005	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	MOLYBDENUM, DISSOLVED	0.0028	J	0.05	1	0.0013	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	NICKEL, DISSOLVED		U	0.025	1	0.0018	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	POTASSIUM, DISSOLVED	3.2		1	1	0.1	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	SELENIUM, DISSOLVED		U	0.01	1	0.0025	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	SILVER, DISSOLVED	0.00092	U	0.007	1	0.0007	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	SODIUM, DISSOLVED	87		1	1	0.055	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	THALLIUM, DISSOLVED		U	0.01	1	0.0035	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	VANADIUM, DISSOLVED	0.0021	U	0.01	1	0.0008	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	ZINC, DISSOLVED	0.0025	J	0.05	1	0.0022	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	HARDNESS	65		1.7	1	0.056	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	ALUMINUM, TOTAL	0.076	J	0.1	1	0.017	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	ANTIMONY, TOTAL	0.00209	U	0.05	1	0.002	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	ARSENIC, TOTAL		U	0.004	1	0.0034	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	BARIUM, TOTAL	0.04		0.01	1	0.0004	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	BERYLLIUM, TOTAL		U	0.002	1	0.0006	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	CADMIUM, TOTAL		U	0.002	1	0.0004	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	CALCIUM, TOTAL	19		0.1	1	0.0099	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	CHROMIUM, TOTAL		U	0.01	1	0.0008	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	COBALT, TOTAL	0.00097	U	0.02	1	0.0005	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	COPPER, TOTAL	0.0018	J	0.01	1	0.0018	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	IRON, TOTAL	8.6		0.05	1	0.014	mg/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
FD-081803-03	18-Aug-03	L0308246-04	6010B	LEAD, TOTAL		U	0.005	1	0.0048	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	MAGNESIUM, TOTAL	4		0.1	1	0.0075	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	MANGANESE, TOTAL	0.42		0.01	1	0.0005	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	MOLYBDENUM, TOTAL	0.0046	J	0.05	1	0.0013	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	NICKEL, TOTAL		U	0.025	1	0.0018	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	POTASSIUM, TOTAL	2.2		1	1	0.1	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	SELENIUM, TOTAL		U	0.01	1	0.0025	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	SILVER, TOTAL		U	0.007	1	0.0007	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	SODIUM, TOTAL	57		1	1	0.055	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	THALLIUM, TOTAL		U	0.01	1	0.0035	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	VANADIUM, TOTAL	0.0032	U	0.01	1	0.0008	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	ZINC, TOTAL	0.016	U	0.05	1	0.0022	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	ALUMINUM, DISSOLVED	0.021	J	0.1	1	0.017	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	ANTIMONY, DISSOLVED	0.00533	U	0.05	1	0.002	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	ARSENIC, DISSOLVED		U	0.004	1	0.0034	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	BARIUM, DISSOLVED	0.04		0.01	1	0.0004	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	BERYLLIUM, DISSOLVED		U	0.002	1	0.0006	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	CADMIUM, DISSOLVED	0.00052	U	0.002	1	0.0004	mg/l
FD-081803-03	18-Aug-03	L0308246-04	6010B	CALCIUM, DISSOLVED	20		0.1	1	0.0099	mg/l
FD-081803-03	18-Aug-03	L0308246-04	7470A	MERCURY, DISSOLVED		U	0.0002	1	0.000012	mg/l
FD-081803-03	18-Aug-03	L0308246-04	7470A	MERCURY, TOTAL		U	0.0002	1	0.000012	mg/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	1,2,4-TRICHLOROBENZENE		U	5	1	1.2	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	HEXACHLOROBENZENE		UJ	5	1	1.6	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	BIS(2-CHLOROETHYL)ETHER		U	5	1	1.8	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	1,2-DICHLOROBENZENE		U	5	1	1.3	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	1,3-DICHLOROBENZENE		U	5	1	1.1	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	1,4-DICHLOROBENZENE		U	5	1	1.2	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	3,3'-DICHLOROBENZIDINE		UJ	50	1	5.2	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	2,4-DINITROTOLUENE		U	6	1	1.4	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	2,6-DINITROTOLUENE		U	5	1	1.5	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	4-CHLOROPHENYL PHENYL ETHER		U	5	1	1.5	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	4-BROMOPHENYL PHENYL ETHER		UJ	5	1	1.7	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	5	1	2.3	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	BIS(2-CHLOROETHOXY)METHANE		UJ	5	1	1.7	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	HEXACHLOROBUTADIENE		UJ	10	1	1.2	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	HEXACHLOROETHANE		U	5	1	1	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	ISOPHORONE		U	5	1	1.8	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	NITROBENZENE		UJ	5	1	1.8	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	15	1	1.9	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	N-NITROSODI-N-PROPYLAMINE		U	5	1	1.8	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	BIS(2-ETHYLHEXYL)PHTHALATE	4.4	J	10	1	2.1	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	BUTYL BENZYL PHTHALATE		U	5	1	2.2	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
FD-081803-03	18-Aug-03	L0308246-04	8270C	DI-N-BUTYLPHTHALATE		U	5	1	1.9	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	DI-N-OCTYLPHTHALATE		U	5	1	1.8	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	DIETHYL PHTHALATE		U	5	1	4.9	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	DIMETHYL PHTHALATE		U	5	1	1.6	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	4-CHLOROANILINE		UJ	5	1	4.6	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	2-NITROANILINE		U	5	1	3.5	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	3-NITROANILINE		U	5	1	3.7	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	4-NITROANILINE		U	7	1	2.7	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	DIBENZOFURAN		U	5	1	3	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	2,4,6-TRICHLOROPHENOL		U	5	1	3.5	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	P-CHLORO-M-CRESOL		U	5	1	3.3	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	2-CHLOROPHENOL		U	6	1	3.2	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	2,4-DICHLOROPHENOL		UJ	10	1	3.2	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	2,4-DIMETHYLPHENOL		R	10	1	3.5	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	2-NITROPHENOL		U	20	1	3	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	4-NITROPHENOL		U	10	1	1.9	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	2,4-DINITROPHENOL		U	20	1	2.3	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	4,6-DINITRO-O-CRESOL		U	20	1	2.3	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	PENTACHLOROPHENOL		U	20	1	3.1	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	PHENOL		UJ	7	1	1.8	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	2-METHYLPHENOL		UJ	6	1	3.1	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	3-METHYLPHENOL/4-METHYLPHENOL		UJ	6	1	2.8	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	2,4,5-TRICHLOROPHENOL		U	5	1	3.5	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	CARBAZOLE		U	5	1	1.8	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C	2-FLUOROPHENOL	34		0	1		%
FD-081803-03	18-Aug-03	L0308246-04	8270C	PHENOL-D6	25		0	1		%
FD-081803-03	18-Aug-03	L0308246-04	8270C	NITROBENZENE-D5	63		0	1		%
FD-081803-03	18-Aug-03	L0308246-04	8270C	2-FLUOROBIPHENYL	70		0	1		%
FD-081803-03	18-Aug-03	L0308246-04	8270C	2,4,6-TRIBROMOPHENOL	67		0	1		%
FD-081803-03	18-Aug-03	L0308246-04	8270C	4-TERPHENYL-D14	96		0	1		%
FD-081803-03	18-Aug-03	L0308246-04	8270C-SIM	ACENAPHTHENE	1.1		0.2	1	0.094	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C-SIM	2-CHLORONAPHTHALENE		UJ	0.2	1	0.083	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C-SIM	FLUORANTHENE	0.14	J	0.2	1	0.065	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C-SIM	NAPHTHALENE	0.15	J	0.2	1	0.1	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C-SIM	BENZO(A)ANTHRACENE		U	0.2	1	0.061	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C-SIM	BENZO(A)PYRENE		U	0.2	1	0.085	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C-SIM	BENZO(B)FLUORANTHENE		U	0.2	1	0.07	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C-SIM	BENZO(K)FLUORANTHENE		U	0.2	1	0.1	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C-SIM	CHRYSENE		U	0.2	1	0.06	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C-SIM	ACENAPHTHYLENE		UJ	0.2	1	0.091	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C-SIM	ANTHRACENE		U	0.2	1	0.062	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C-SIM	BENZO(GHI)PERYLENE		U	0.25	1	0.24	ug/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
FD-081803-03	18-Aug-03	L0308246-04	8270C-SIM	FLUORENE	0.79		0.2	1	0.12	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C-SIM	PHENANTHRENE	0.57		0.2	1	0.088	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C-SIM	DIBENZO(A,H)ANTHRACENE		U	0.2	1	0.14	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	0.2	1	0.19	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C-SIM	PYRENE	0.11	J	0.2	1	0.068	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C-SIM	2-METHYLNAPHTHALENE		UJ	0.2	1	0.19	ug/l
FD-081803-03	18-Aug-03	L0308246-04	8270C-SIM	NITROBENZENE-D5	67		0	1		%
FD-081803-03	18-Aug-03	L0308246-04	8270C-SIM	2-FLUOROBIPHENYL	65		0	1		%
FD-081803-03	18-Aug-03	L0308246-04	8270C-SIM	4-TERPHENYL-D14	88		0	1		%
FD-081803-03(2)	18-Aug-03	L0308246-06	9038	SULFATE		U	20	1	2.6	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	9060	TOTAL ORGANIC CARBON	36		5	1	0.43	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	9251	CHLORIDE	16000		500	1	0.35	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	2320B	ALKALINITY, TOTAL	140		5	1	1	mg CaCO3/L
FD-081803-03(2)	18-Aug-03	L0308246-06	2540C	SOLIDS, TOTAL DISSOLVED	27000		100	1	28	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	2540D	SOLIDS, TOTAL SUSPENDED	130		10	1	10	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	5220D	CHEMICAL OXYGEN DEMAND	1000		40	1	8.3	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	HARDNESS	4800		17	1	0.56	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	ALUMINUM, TOTAL	0.13	J	0.1	1	0.017	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	ANTIMONY, TOTAL		U	0.05	1	0.002	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	ARSENIC, TOTAL	0.006		0.004	1	0.0034	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	BARIUM, TOTAL	0.11		0.01	1	0.0004	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	BERYLLIUM, TOTAL		U	0.002	1	0.0006	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	CADMIUM, TOTAL		U	0.002	1	0.0004	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	CALCIUM, TOTAL	210		0.1	1	0.0099	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	CHROMIUM, TOTAL	0.0036	J	0.01	1	0.0008	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	COBALT, TOTAL	0.00073	U	0.02	1	0.0005	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	COPPER, TOTAL		U	0.01	1	0.0018	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	IRON, TOTAL	7.5	J	0.05	1	0.014	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	LEAD, TOTAL		U	0.005	1	0.0048	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	MAGNESIUM, TOTAL	950		1	1	0.075	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	MANGANESE, TOTAL	0.07	J	0.01	1	0.0005	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	MOLYBDENUM, TOTAL	0.0062	J	0.05	1	0.0013	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	NICKEL, TOTAL		UJ	0.025	1	0.0018	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	POTASSIUM, TOTAL	300		20	1	0.1	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	SELENIUM, TOTAL		U	0.01	1	0.0025	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	SILVER, TOTAL		U	0.007	1	0.0007	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	SODIUM, TOTAL	7700		20	1	0.055	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	THALLIUM, TOTAL	0.00383	J	0.01	1	0.0035	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	VANADIUM, TOTAL	0.01		0.01	1	0.0008	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	ZINC, TOTAL	0.0072	U	0.05	1	0.0022	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	ALUMINUM, DISSOLVED		UJ	0.1	1	0.017	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	ANTIMONY, DISSOLVED		U	0.05	1	0.002	mg/l

DATA SUMMARY TABLE
ANNUAL GROUNDWATER MONITORING REPORT
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	ARSENIC, DISSOLVED	0.00397	J	0.004	1	0.0034	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	BARIUM, DISSOLVED	0.1		0.01	1	0.0004	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	BERYLLIUM, DISSOLVED		U	0.002	1	0.0006	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	CADMIUM, DISSOLVED		U	0.002	1	0.0004	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	CALCIUM, DISSOLVED	220		0.1	1	0.0099	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	CHROMIUM, DISSOLVED	0.0036	J	0.01	1	0.0008	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	COBALT, DISSOLVED	0.00065	U	0.02	1	0.0005	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	COPPER, DISSOLVED		U	0.01	1	0.0018	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	IRON, DISSOLVED	2.4	J	0.05	1	0.014	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	LEAD, DISSOLVED		U	0.005	1	0.0048	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	MAGNESIUM, DISSOLVED	1000		2	1	0.0099	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	MANGANESE, DISSOLVED	0.09		0.01	1	0.0005	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	MOLYBDENUM, DISSOLVED	0.0041	J	0.05	1	0.0013	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	NICKEL, DISSOLVED		UJ	0.025	1	0.0018	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	POTASSIUM, DISSOLVED	340		20	1	0.1	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	SELENIUM, DISSOLVED		U	0.01	1	0.0025	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	SILVER, DISSOLVED	0.00095	U	0.007	1	0.0007	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	SODIUM, DISSOLVED	8200		20	1	0.055	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	THALLIUM, DISSOLVED	0.00518	J	0.01	1	0.0035	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	VANADIUM, DISSOLVED	0.01	J	0.01	1	0.0008	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	6010B	ZINC, DISSOLVED		UJ	0.05	1	0.0022	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	7470A	MERCURY, TOTAL		U	0.0002	1	0.000012	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	7470A	MERCURY, DISSOLVED		U	0.0002	1	0.000012	mg/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	1,2,4-TRICHLOROBENZENE		U	5	1	1.2	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	HEXACHLOROBENZENE		UJ	5	1	1.6	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	BIS(2-CHLOROETHYL)ETHER		U	5	1	1.8	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	1,2-DICHLOROBENZENE		U	5	1	1.3	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	1,3-DICHLOROBENZENE		U	5	1	1.1	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	1,4-DICHLOROBENZENE		U	5	1	1.2	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	3,3'-DICHLOROBENZIDINE		UJ	50	1	5.2	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	2,4-DINITROTOLUENE		U	6	1	1.4	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	2,6-DINITROTOLUENE		U	5	1	1.5	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	4-CHLOROPHENYL PHENYL ETHER		U	5	1	1.5	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	4-BROMOPHENYL PHENYL ETHER		UJ	5	1	1.7	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	5	1	2.3	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	BIS(2-CHLOROETHOXY)METHANE		UJ	5	1	1.7	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	HEXACHLOROBUTADIENE		UJ	10	1	1.2	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	HEXACHLOROETHANE		U	5	1	1	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	ISOPHORONE		U	5	1	1.8	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	NITROBENZENE		UJ	5	1	1.8	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	15	1	1.9	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	N-NITROSODI-N-PROPYLAMINE		U	5	1	1.8	ug/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	BIS(2-ETHYLHEXYL)PHTHALATE	3.8	J	10	1	2.1	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	BUTYL BENZYL PHTHALATE		U	5	1	2.2	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	DI-N-BUTYLPHTHALATE		U	5	1	1.9	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	DI-N-OCTYLPHTHALATE		U	5	1	1.8	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	DIETHYL PHTHALATE		U	5	1	4.9	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	DIMETHYL PHTHALATE		U	5	1	1.6	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	4-CHLOROANILINE		UJ	5	1	4.6	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	2-NITROANILINE		U	5	1	3.5	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	3-NITROANILINE		U	5	1	3.7	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	4-NITROANILINE		U	7	1	2.7	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	DIBENZOFURAN		U	5	1	3	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	2,4,6-TRICHLOROPHENOL		U	5	1	3.5	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	P-CHLORO-M-CRESOL		U	5	1	3.3	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	2-CHLOROPHENOL		U	6	1	3.2	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	2,4-DICHLOROPHENOL		UJ	10	1	3.2	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	2,4-DIMETHYLPHENOL		R	10	1	3.5	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	2-NITROPHENOL		U	20	1	3	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	4-NITROPHENOL		U	10	1	1.9	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	2,4-DINITROPHENOL		U	20	1	2.3	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	4,6-DINITRO-O-CRESOL		U	20	1	2.3	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	PENTACHLOROPHENOL		U	20	1	3.1	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	PHENOL		UJ	7	1	1.8	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	2-METHYLPHENOL		UJ	6	1	3.1	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	3-METHYLPHENOL/4-METHYLPHENOL		UJ	6	1	2.8	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	2,4,5-TRICHLOROPHENOL		U	5	1	3.5	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	CARBAZOLE		U	5	1	1.8	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	2-FLUOROPHENOL	21		0	1		%
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	PHENOL-D6	22		0	1		%
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	NITROBENZENE-D5	41		0	1		%
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	2-FLUOROBIPHENYL	64		0	1		%
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	2,4,6-TRIBROMOPHENOL	84		0	1		%
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C	4-TERPHENYL-D14	99		0	1		%
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C-SIM	ACENAPHTHENE		U	0.2	1	0.094	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C-SIM	2-CHLORONAPHTHALENE		UJ	0.2	1	0.083	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C-SIM	FLUORANTHENE		U	0.2	1	0.065	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C-SIM	NAPHTHALENE		UJ	0.2	1	0.1	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C-SIM	BENZO(A)ANTHRACENE		U	0.2	1	0.061	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C-SIM	BENZO(A)PYRENE		U	0.2	1	0.085	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C-SIM	BENZO(B)FLUORANTHENE		U	0.2	1	0.07	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C-SIM	BENZO(K)FLUORANTHENE		U	0.2	1	0.1	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C-SIM	CHRYSENE		U	0.2	1	0.06	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C-SIM	ACENAPHTHYLENE		UJ	0.2	1	0.091	ug/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C-SIM	ANTHRACENE		U	0.2	1	0.062	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C-SIM	BENZO(GHI)PERYLENE		U	0.25	1	0.24	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C-SIM	FLUORENE		U	0.2	1	0.12	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C-SIM	PHENANTHRENE		U	0.2	1	0.088	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C-SIM	DIBENZO(A,H)ANTHRACENE		U	0.2	1	0.14	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	0.2	1	0.19	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C-SIM	PYRENE		U	0.2	1	0.068	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C-SIM	2-METHYLNAPHTHALENE		UJ	0.2	1	0.19	ug/l
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C-SIM	NITROBENZENE-D5	47		0	1		%
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C-SIM	2-FLUOROBIPHENYL	61		0	1		%
FD-081803-03(2)	18-Aug-03	L0308246-06	8270C-SIM	4-TERPHENYL-D14	93		0	1		%
FD-082003-03A	20-Aug-03	L0308333-02	9038	SULFATE	26	J	50	1	6.4	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	9060	TOTAL ORGANIC CARBON	19		5	1	0.43	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	9251	CHLORIDE	4300		100	1	0.35	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	2320B	ALKALINITY, TOTAL	180		2	1	0.4	mg CaCO3/L
FD-082003-03A	20-Aug-03	L0308333-02	2540C	SOLIDS, TOTAL DISSOLVED	7300		20	1	5.7	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	2540D	SOLIDS, TOTAL SUSPENDED	150		10	1	10	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	5220D	CHEMICAL OXYGEN DEMAND	130		20	1	4.2	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	HARDNESS	1100		1.7	1	0.056	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	ALUMINUM, TOTAL	3.3	J	0.1	1	0.017	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	ANTIMONY, TOTAL		U	0.05	1	0.002	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	ARSENIC, TOTAL	0.029		0.004	1	0.0034	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	BARIUM, TOTAL	0.31	J	0.01	1	0.0004	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	BERYLLIUM, TOTAL		U	0.002	1	0.0006	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	CADMIUM, TOTAL		U	0.002	1	0.0004	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	CALCIUM, TOTAL	90		0.1	1	0.0099	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	CHROMIUM, TOTAL	0.0079	J	0.01	1	0.0008	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	COBALT, TOTAL	0.0074	J	0.02	1	0.0005	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	COPPER, TOTAL	0.0064	J	0.01	1	0.0018	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	IRON, TOTAL	95		0.05	1	0.014	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	LEAD, TOTAL		U	0.005	1	0.0048	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	MAGNESIUM, TOTAL	210		0.5	1	0.0075	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	MANGANESE, TOTAL	3.9		0.01	1	0.0005	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	MOLYBDENUM, TOTAL	0.0039	U	0.05	1	0.0013	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	NICKEL, TOTAL	0.00535	J	0.025	1	0.0018	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	POTASSIUM, TOTAL	130		10	1	0.1	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	SELENIUM, TOTAL		U	0.01	1	0.0025	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	SILVER, TOTAL	0.00173	U	0.007	1	0.0007	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	SODIUM, TOTAL	2500		10	1	0.055	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	THALLIUM, TOTAL	0.00853	J	0.01	1	0.0035	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	VANADIUM, TOTAL	0.0074	J	0.01	1	0.0008	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	ZINC, TOTAL	0.013	U	0.05	1	0.0022	mg/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
FD-082003-03A	20-Aug-03	L0308333-02	6010B	ALUMINUM, DISSOLVED	0.69	J	0.1	1	0.017	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	ANTIMONY, DISSOLVED		U	0.05	1	0.002	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	ARSENIC, DISSOLVED	0.016		0.004	1	0.0034	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	BARIUM, DISSOLVED	0.05	J	0.01	1	0.0004	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	BERYLLIUM, DISSOLVED		U	0.002	1	0.0006	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	CADMIUM, DISSOLVED		U	0.002	1	0.0004	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	CALCIUM, DISSOLVED	84		0.1	1	0.0099	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	CHROMIUM, DISSOLVED	0.0024	UJ	0.01	1	0.0008	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	COBALT, DISSOLVED	0.0049	J	0.02	1	0.0005	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	COPPER, DISSOLVED		UJ	0.01	1	0.0018	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	IRON, DISSOLVED	47		0.05	1	0.014	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	LEAD, DISSOLVED		U	0.005	1	0.0048	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	MAGNESIUM, DISSOLVED	190		5	1	0.0099	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	MANGANESE, DISSOLVED	4		0.01	1	0.0005	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	MOLYBDENUM, DISSOLVED	0.01	U	0.05	1	0.0013	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	NICKEL, DISSOLVED	0.00352	J	0.025	1	0.0018	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	POTASSIUM, DISSOLVED	120		10	1	0.1	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	SELENIUM, DISSOLVED		U	0.01	1	0.0025	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	SILVER, DISSOLVED	0.00142	J	0.007	1	0.0007	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	SODIUM, DISSOLVED	2200		10	1	0.055	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	THALLIUM, DISSOLVED	0.00575	J	0.01	1	0.0035	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	VANADIUM, DISSOLVED	0.0045	J	0.01	1	0.0008	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	6010B	ZINC, DISSOLVED	0.0031	U	0.05	1	0.0022	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	7470A	MERCURY, TOTAL	2.4E-05	U	0.0002	1	0.000012	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	7470A	MERCURY, DISSOLVED	1.76E-05	J	0.0002	1	0.000012	mg/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	1,2,4-TRICHLOROBENZENE		U	5	1	1.2	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	HEXACHLOROBENZENE		UJ	5	1	1.6	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	BIS(2-CHLOROETHYL)ETHER		U	5	1	1.8	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	1,2-DICHLOROBENZENE		U	5	1	1.3	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	1,3-DICHLOROBENZENE		U	5	1	1.1	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	1,4-DICHLOROBENZENE		U	5	1	1.2	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	3,3'-DICHLOROBENZIDINE		U	50	1	5.2	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	2,4-DINITROTOLUENE		U	6	1	1.4	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	2,6-DINITROTOLUENE		U	5	1	1.5	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	4-CHLOROPHENYL PHENYL ETHER		U	5	1	1.5	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	4-BROMOPHENYL PHENYL ETHER		UJ	5	1	1.7	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	BIS(2-CHLOROISOPROPYL)ETHER		U	5	1	2.3	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	BIS(2-CHLOROETHOXY)METHANE		UJ	5	1	1.7	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	HEXACHLOROBUTADIENE		UJ	10	1	1.2	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	HEXACHLOROETHANE		U	5	1	1	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	ISOPHORONE		UJ	5	1	1.8	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	NITROBENZENE		UJ	5	1	1.8	ug/l

Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
FD-082003-03A	20-Aug-03	L0308333-02	8270C	NITROSODIPHENYLAMINE(NDPA)/DPA		U	15	1	1.9	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	N-NITROSODI-N-PROPYLAMINE		UJ	5	1	1.8	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	BIS(2-ETHYLHEXYL)PHTHALATE	3.6	J	10	1	2.1	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	BUTYL BENZYL PHTHALATE		U	5	1	2.2	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	DI-N-BUTYLPHTHALATE		U	5	1	1.9	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	DI-N-OCTYLPHTHALATE		U	5	1	1.8	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	DIETHYL PHTHALATE		U	5	1	4.9	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	DIMETHYL PHTHALATE		U	5	1	1.6	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	4-CHLOROANILINE		U	5	1	4.6	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	2-NITROANILINE		U	5	1	3.5	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	3-NITROANILINE		U	5	1	3.7	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	4-NITROANILINE		U	7	1	2.7	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	DIBENZOFURAN		UJ	5	1	3	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	2,4,6-TRICHLOROPHENOL		UJ	5	1	3.5	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	P-CHLORO-M-CRESOL		U	5	1	3.3	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	2-CHLOROPHENOL		U	6	1	3.2	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	2,4-DICHLOROPHENOL		UJ	10	1	3.2	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	2,4-DIMETHYLPHENOL		R	10	1	3.5	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	2-NITROPHENOL		UJ	20	1	3	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	4-NITROPHENOL		U	10	1	1.9	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	2,4-DINITROPHENOL		U	20	1	2.3	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	4,6-DINITRO-O-CRESOL		U	20	1	2.3	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	PENTACHLOROPHENOL		U	20	1	3.1	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	PHENOL		UJ	7	1	1.8	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	2-METHYLPHENOL		UJ	6	1	3.1	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	3-METHYLPHENOL/4-METHYLPHENOL		UJ	6	1	2.8	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	2,4,5-TRICHLOROPHENOL		U	5	1	3.5	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	CARBAZOLE		U	5	1	1.8	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C	2-FLUOROPHENOL	28		0	1		%
FD-082003-03A	20-Aug-03	L0308333-02	8270C	PHENOL-D6	22		0	1		%
FD-082003-03A	20-Aug-03	L0308333-02	8270C	NITROBENZENE-D5	47		0	1		%
FD-082003-03A	20-Aug-03	L0308333-02	8270C	2-FLUOROBIPHENYL	59		0	1		%
FD-082003-03A	20-Aug-03	L0308333-02	8270C	2,4,6-TRIBROMOPHENOL	75		0	1		%
FD-082003-03A	20-Aug-03	L0308333-02	8270C	4-TERPHENYL-D14	96		0	1		%
FD-082003-03A	20-Aug-03	L0308333-02	8270C-SIM	ACENAPHTHENE		U	0.2	1	0.094	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C-SIM	2-CHLORONAPHTHALENE		UJ	0.2	1	0.083	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C-SIM	FLUORANTHENE		U	0.2	1	0.065	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C-SIM	NAPHTHALENE		UJ	0.2	1	0.1	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C-SIM	BENZO(A)ANTHRACENE		U	0.2	1	0.061	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C-SIM	BENZO(A)PYRENE		U	0.2	1	0.085	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C-SIM	BENZO(B)FLUORANTHENE		U	0.2	1	0.07	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C-SIM	BENZO(K)FLUORANTHENE		U	0.2	1	0.1	ug/l

DATA SUMMARY TABLE
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Sample Name	Sample Date	Lab Sample ID	Analytical Method	Analyte	Result	Qualifier	Reporting Limit	Dilution Factor	Method Detection Limit	Units
FD-082003-03A	20-Aug-03	L0308333-02	8270C-SIM	CHRYSENE		U	0.2	1	0.06	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C-SIM	ACENAPHTHYLENE		UJ	0.2	1	0.091	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C-SIM	ANTHRACENE		U	0.2	1	0.062	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C-SIM	BENZO(GHI)PERYLENE		U	0.25	1	0.24	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C-SIM	FLUORENE		U	0.2	1	0.12	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C-SIM	PHENANTHRENE		U	0.2	1	0.088	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C-SIM	DIBENZO(A,H)ANTHRACENE		U	0.2	1	0.14	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C-SIM	INDENO(1,2,3-CD)PYRENE		U	0.2	1	0.19	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C-SIM	PYRENE		U	0.2	1	0.068	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C-SIM	2-METHYLNAPHTHALENE		UJ	0.2	1	0.19	ug/l
FD-082003-03A	20-Aug-03	L0308333-02	8270C-SIM	NITROBENZENE-D5	55		0	1		%
FD-082003-03A	20-Aug-03	L0308333-02	8270C-SIM	2-FLUOROBIPHENYL	59		0	1		%
FD-082003-03A	20-Aug-03	L0308333-02	8270C-SIM	4-TERPHENYL-D14	96		0	1		%

APPENDIX F

Statistical Analysis

(from TtNUS 2003)

APPENDIX F

1.0 STATISTICAL ANALYSIS

A statistical analysis was performed on the results from the groundwater monitoring effort to determine if contaminants associated with past activities at the Area A Landfill are having an impact on groundwater at the site. This groundwater monitoring program employed two upgradient wells (2LMW20S and 4MW1S) and twelve downgradient wells [2WMW38DS, 2WMW39DS, 2WMW40DS, 2WMW41DS, 2WMW42DS, 2WMW43DS, 2WMW44DS, 2WMW45DS, 2WMW46DS, 2WMW47DS, 3MW12D (Round 11 only), and 3MW37S] sampled over two semi-annual rounds. Well 2WMW21S was used as a reference well. Wells 3MW37S and 3MW12D are hydrologically downgradient of the site but they are not completed in dredge spoils like the rest of the downgradient wells.

The specific tests performed on data collected at the Area A Landfill are identified and described in the next section.

The statistical methods used to evaluate the groundwater data are employed in order to:

- Develop summary statistics that describe environmental contaminant concentrations at the Area A Landfill.

- Allow comparisons of COPC concentrations in wells upgradient of the Area A Landfill to those detected in downgradient wells (i.e., samples collected in downgradient areas potentially impacted by contaminant migration from the landfill).

1.1 Comparison of Downgradient Wells to Upgradient Wells

Figure 4-1 is a flow diagram taken from the GMP (TtNUS, 1999). It presents the approach to determine if statistically significant contaminant migration is occurring. Downgradient data was compared to upgradient data using various statistical methods. No correction for seasonal variability was required since wells at the facility should be affected similarly. The statistical methods described in the following paragraphs were used to determine if parameter concentrations detected in downgradient wells are significantly greater than those detected in samples from the upgradient wells.

If all the observations from upgradient and downgradient wells were nondetects, no statistical analysis was performed and downgradient and upgradient concentrations were declared statistically similar. In cases where there were detections in the downgradient wells but all upgradient results were nondetects

for an analyte, no statistical analysis was performed but downgradient concentrations were declared statistically higher than upgradient concentrations.

The Analysis of Variance (ANOVA) technique is the preferred method to compare data from upgradient and downgradient monitoring well locations. The ANOVA technique is used to test whether there is statistically significant evidence of contamination. There are two types of ANOVA tests: parametric and non-parametric. The parametric ANOVA method makes two important assumptions: 1) the upgradient and downgradient data sets are both normally (or both lognormally) distributed and 2) the group variances of the upgradient and downgradient data sets are homogeneous. These assumptions can be checked using the Shapiro-Wilk Test of Normality and Levene's test of Homogeneity of Variance, respectively. If the analysis of the data demonstrated that these assumptions critical to the parametric ANOVA were violated, non-parametric ANOVA techniques were conducted using the ranks of the observations rather than the observations themselves. The Wilcoxon Rank-Sum test (also known as the Mann-Whitney U test) was employed as the non-parametric ANOVA for comparing the downgradient results to the upgradient results.

According to USEPA guidance (USEPA, 1992), parametric ANOVAs should not be used in the event that nondetects exceed 50% of the data set. In addition, for analyses using the Wilcoxon Rank-Sum Test, several environmental statistics guidance documents limit the percent of nondetects allowable in the test data sets to 50% (Navy, 1998) or even 40% [United States Department of Defense (USDOD), United States Department of Energy (USDOE), USEPA, and United States Nuclear Regulatory Commission (USNRC), 2000]. Therefore, a Two-Sample Test of Proportions was performed on all data where nondetects exceed 50% of the data set.

1.2 Detection Limit

During the chemical analysis of environmental samples, some analytes may be present at concentrations that are below the sample quantitation limit (SQL) for the analytical procedure. The results are generally reported as not detected (rather than zero), and the appropriate detection limit is given. The amount of data that are below the detection limit play an important role in selecting the statistical method of addressing the detection limit problem. The nondetects found at the Area A Landfill were replaced with the SQL, divided by two, prior to the statistical analysis. In addition, results from each field duplicate pair were averaged and counted as one sample for use in the statistical analysis.

1.3 Parametric and Non-Parametric Analysis of Variance (ANOVA)

ANOVA is widely used in the examination of environmental data sets. A one-way classification ANOVA is used to determine whether or not the difference between average concentrations of a parameter detected

in downgradient wells and upgradient wells is statistically significant. Since only two means are compared, an ANOVA test will give the same result as the t-test for independent samples. The parametric ANOVA method makes two key assumptions: 1) the data are both normally (or both lognormally) distributed and 2) the group variances are homogeneous. If either of these two assumptions is not met then the non-parametric ANOVA method should be used.

1.3.1 The Shapiro-Wilk "W-test" of Normality (n =50)

As stated above, the data must be analyzed to determine whether they were drawn from an underlying normal or lognormal distribution. A number of statistical evaluations may be used to determine which, if either, of the distributions is exhibited by a given data set. As recommended by the EPA, the Shapiro-Wilk "W-test" (for sample sets < 50) and the Shapiro-Francia "W-test" (for sample sets >50) will be used to determine whether the data are normally or lognormally distributed (USEPA, 1992). For the analysis performed on the results from the groundwater monitoring effort at the Area A Landfill, only the Shapiro-Wilk “W-test” was used (all sample sets < 50).

The Shapiro-Wilk W-test (Gilbert, 1987) is an effective method for determining whether a data set has been drawn from an underlying normal (or lognormal) distribution. By conducting the Shapiro-Wilk W-test on the log-transformed data, the test may be used to determine whether the data have been drawn from an underlying lognormal distribution. The null hypothesis (H_0) that is tested is:

H_O - The population has a normal (or lognormal when the data is log-transformed) distribution.

The alternate hypothesis (H_A) is:

H_A - The population does not have a normal (or lognormal when the data is log-transformed) distribution.

A ‘W’ statistic (W_{calc}) is computed for a data set and compared to a test statistic (W_{test}). If $W_{calc} < W_{test}$, then the null hypothesis is rejected, H_A is accepted, the data are assumed to not be normally distributed. If $W_{calc} = W_{test}$, then the null hypothesis is not rejected, the data is assumed to be normally distributed. Another ‘W’ statistic is computed for the log-transformed data set and compared to the test statistic as described above. If both the normal and lognormal W_{calc} are greater than or equal to the W_{test} then the underlying distribution is considered to be the one producing the highest W_{calc} value. If neither of the ‘W’ statistics is greater than or equal to the test statistic, the underlying distribution can be defaulted to lognormal. This is because “EPA’s experience with environmental concentration data, and groundwater data in particular, suggests that the Lognormal distribution is generally more appropriate as a default statistical model than the Normal distribution…” (USEPA, 1992).

The following equations present a step-by-step procedure for conducting the Shapiro-Wilk W-test:

- Step 1. Combine all of the data from each of the individual (*k*) wells.

- Step 2. Order the *n* results from least to greatest:

$$x_1 \leq x_2 \leq x_3 \leq \cdots \leq x_n$$

- Step 3. Compute the standard deviation by:

$$S_x = \sqrt{\sum_{i=1}^{n} \frac{\left(x_i - \overline{x}\right)^2}{(n-1)}}$$

- Step 4. Determine the coefficients $a_1, a_2, a_3, \ldots, a_k$ for the sample size *n* using Table J-1 in Appendix J, where:

$$k = \frac{n}{2} \text{ if n is even ; And}$$

$$k = \frac{n1}{2} \text{ if n is odd}$$

- Step 5. Determine *b* by the formula:

$$b = \sum_{i=1}^{k} a_i \left(x_{[n-i+1]} - x_i\right) = \sum_{i=1}^{k} b_i$$

- Step 6. Calculate W_{calc} using *b* from above, where:

$$W_{calc} = \left[\frac{b}{S_x \sqrt{n-1}}\right]^2$$

- Step 7. Determine W_{test} at the 5% significance level from Table J-2.

- Step 8. Reject H_O at the 5% significance level if W_{calc} is less than W_{test}.

To test the null hypothesis for a data set drawn from an underlying lognormal distribution, transform the data to y_{1j}, $y_{2j}, y_{3j}, \ldots, y_{km}$ where $y_{ij} = ln\ X_{ij}$. Repeat steps 1 through 8 as described in the preceding paragraphs.

1.3.2 Homogeneity of Variance

An important assumption in ANOVA is that the variances in the different groups are equal (homogeneous). A powerful and commonly used test of this assumption is the Levene test. This test has practically replaced the older and less robust Bartlett's test and Chi-square test.

Levene's test (homogeneity of variances): For each dependent variable, an analysis of variance is performed on the absolute deviations of values from the respective group means. If the Levene test is statistically significant, then the hypothesis of homogeneous variances should be rejected

To conduct Levene's test first compute the absolute value of the residuals:

$$Zij = \left| Xij - \overline{Xi} \right|$$

where *Xij* represents the jth value from the ith location. Then run a standard one-way ANOVA on the variable *Zij* (see section 4.4.3.3). If the F test is significant, reject the hypothesis of equal group variances. Otherwise, proceed with the analysis as planned.

1.3.3 Parametric ANOVA

Assume that a site has *k* wells and that n_i data points (analyte concentrations) are available for the ith well. The following presents a step-by-step procedure for conducting the parametric ANOVA.

- Step 1. Compute the sums and means of each well (*i*) using the following equations as follows:

$$X_i = \sum_{j=1}^{n_i} X_{ij}\ ,\ \sum \text{ of all } n_i \text{ observations at well } i$$

$$\overline{X}_i = \frac{X_i}{n_i}\ ,\ \text{average of all } n_i \text{ observations at well } i$$

$$X = \sum_{i-1}^{k} \sum_{j=1}^{n_i} X_{ij}\ ,\ \text{grand total of all } n_i \text{ observations}$$

$$N = \sum^{k} n_i\ ,\ \text{total number of observations}$$

$$\overline{X} = \frac{X}{N},\ \text{grand mean of all observations}$$

- Step 2. Compute the sum of squares of differences between the individual well means and the grand mean by the formula:

$$SS_{wells} = \sum_{i=1}^{k} n_i \left(\overline{X}_i - \overline{X}\right)^2 = \sum_{i=1}^{k} \left[\frac{X_i^2}{n_i}\right] - \frac{X^2}{N}$$

This sum of squares has (*k-1*) degrees of freedom associated with it and is a measure of the variability between wells.

- Step 3. Compute the corrected total sum of squares by the formula:

$$SS_{total} = \sum_{i-1}^{k} \sum_{j=1}^{n_i} \left(X_{ij} - \overline{X}\right)^2 = \sum_{i=1}^{k} \sum_{j=1}^{n_i} \left[\left(X_{ij}\right)^2\right] - \frac{X^2}{N}$$

This sum of squares has (*N-1*) degrees of freedom associated with it and is a measure of variability in the whole data set.

- Step 4. Compute the sum of squares of differences of observations within wells from the well means. This value is the sum of squares due to error and is obtained by simple subtraction:

$$SS_{Error} = SS_{Total} - SS_{Wells}$$

The sum of squares due to error has associated with it (*N-k*) degrees of freedom and is a measure of the variability within wells.

- Step 5. Set up an ANOVA table as shown below. The sums of squares and their degree of freedom were obtained from Steps 2 through 4. The mean square quantities are simply obtained by dividing each sum of squares by its corresponding degrees of freedom.

ONE-WAY PARAMETRIC ANOVA TABLE

Source of Variation	Sums of Squares	Degrees of Freedom	Mean Squares	F
Between Wells	SS_{Well}	k-1	$MS_{Well}=SS_{Well}/(k-1)$	$F=MS_{Well} / MS_{Error}$
Error (within Wells)	SS_{Error}	N-k	$MS_{Error}=SS_{Error}/(N-k)$	
Total	SS_{Total}	N-1		

- Step 6. To test the hypothesis of equal means for all k wells, compute $F = MS_{well} / MS_{Error}$ (last column in above table). Compare this statistic to the tabulated F statistic with (k-1) and (N-k) degrees of freedom (Table J-3) at a 5% significance level. If the calculated F value does not exceed the tabulated value, conclude that there is no significant difference between the concentrations of the k wells. If the calculated F value exceeds the tabulated value, reject the hypothesis of equal well means. Check the downgradient mean concentration relative to the upgradient mean concentration. If the downgradient mean is less than the upgradient mean, there is no evidence of contamination. If the downgradient mean is greater than the upgradient mean, the downgradient concentration is identified as statistically greater than the upgradient concentration at a 95% confidence level.

1.3.4 Non-Parametric ANOVA

The parametric ANOVA technique is the preferred approach for comparing environmental measurements from downgradient monitoring wells to upgradient well data. However, parametric ANOVA methods make two key assumptions: 1) the data are both normally (or both lognormally) distributed and 2) the group variances are homogeneous. If these assumptions are violated, non-parametric tests (i.e. Kruskal-Wallis or Wilcoxon Rank-Sum tests) may be used to determine if constituent concentrations present in the downgradient areas significantly exceed those present in the upgradient wells.

The Kruskal-Wallis (USEPA, 1989) test should be employed when comparing three or more data sets. However, it is not amenable to two data set comparisons. In these situations, the Wilcoxon Rank-Sum test (USEPA, 1992) (also known as the Mann-Whitney U test) should be employed.

Non-parametric tests are conducted using the ranks of the analytical results rather than the analytical results themselves. Therefore, the data sets need to be inspected for extremely high values that may be underestimated as a result of the ranking process.

1.3.5 The Wilcoxon Rank-Sum Test

The Wilcoxon Rank-Sum test is described in the following paragraphs.

- Step 1. Combine the upgradient and downgradient data and rank the ordered values from 1 to N.

  Assume there are n downgradient samples and m upgradient samples so that $N = m + n$.

- Step 2. Compute the Wilcoxon statistic *W* for the downgradient wells:

$$W = \sum_{i=1}^{n} E_i - \frac{1}{2} n(n+1)$$

where E_i are the ranks of the downgradient samples. Large values of the statistic *W* give evidence of contamination in downgradient wells.

- Step 3. Compute an approximate *Z-score*. To find the critical value of *W*, a normal approximation to its distribution is used. The expected value and standard deviation of *W* under the null hypothesis (i.e., no contamination exists) are given by the formulas

$$E(W) = \frac{1}{2} mn; \qquad SD(W) = \sqrt{\frac{1}{12} mn(N+1)}$$

An approximate *Z-score* for the Wilcoxon Rank-Sum test may be calculated by the following equations:

$$Z = \frac{W - E(W) - \frac{1}{2}}{SD(W)}$$

The factor of 1/2 in the numerator serves as a continuity correction since the discrete distribution of the statistic W is being approximated by the continuous normal distribution. If *n, m* > 10 and ties are present; an adjustment to the approximate *Z-score* must be made as follows:

$$Z_{RS} = \frac{W - E(W) - \frac{1}{2}}{S'D(W)}$$

where: $SD'(W) = \left(\frac{mn}{12} \left[N + 1 - \frac{\sum_{j=1}^{g} t_j (t_j^2 - 1)}{N(N-1)} \right] \right)^{\frac{1}{2}}$

g = the number of tied groups and t_j is the number of tied data in the jth group.

- Step 4. For a one-tailed 0.05 significance level test for H_0 versus H_A (i.e. the measurements from population 1 tend to exceed those from population 2), reject H_0 and accept H_A if: $Z_{RS} > Z_{0.95} = +1.645$.

1.4 Two-Sample Test of Proportions

When more than 50% of the data for a constituent are nondetects, it is difficult to conduct a valid statistical test of whether the average downgradient concentration is significantly higher than the average upgradient concentration. The Two-Sample Test of Proportions is suitable for this situation.

The null and alternative hypotheses are:

$$H_0: P_d \leq P_u$$
$$H_A: P_d > P_u$$

Where P_d and P_u are the true proportions of the downgradient and upgradient measurements, respectively, that exceed a specified concentration C. The value of the concentration C should be just slightly greater than the largest upgradient nondetect value. The following is a step-by-step procedure to conduct the Two-Sample Test of Proportions:

- Step 1. Let K_d and K_u be the number of downgradient and upgradient measurements that exceed C.
- Step 2. Compute $P_d = K_d / n$ and $P_u = K_u / m$ where there are n downgradient samples and m upgradient samples so that $N = m + n$.
- Step 3. Compute $P = (K_d + K_u) / N$.
- Step 4. Compute the Test Statistic: $Z_p = (P_d - P_u) / [P(1-P)(1/n+1/m)]^{1/2}$
- Step 5. At 95% confidence, reject H_0 and accept H_A if $Z_p > Z_{0.95} = +1.645$.

COEFFICIENTS A_i FOR W TEST OF NORMALITY FOR N=2 to 50

i/n	2	3	4	5	6	7	8	9	10
1	0.7071	0.7071	0.6872	0.6646	0.6431	0.6233	0.6052	0.5888	0.5739
2			0.1677	0.2413	0.2806	0.3031	0.3164	0.3244	0.3291
3					0.0875	0.1401	0.1743	0.1976	0.2141
4							0.0561	0.0947	0.1224
5									0.0399

i/n	11	12	13	14	15	16	17	18	19	20
1	0.5601	0.5475	0.5359	0.5251	0.5150	0.5056	0.4968	0.4886	0.4808	0.4734
2	0.3315	0.3325	0.3325	0.3318	0.3306	0.3290	0.3273	0.3253	0.3232	0.3211
3	0.2260	0.2347	0.2412	0.2460	0.2495	0.2521	0.2540	0.2553	0.2561	0.2565
4	0.1429	0.1586	0.1707	0.1802	0.1878	0.1939	0.1988	0.2027	0.2059	0.2085
5	0.0695	0.0922	0.1099	0.1240	0.1353	0.1447	0.1524	0.1587	0.1641	0.1686
6		0.0303	0.0539	0.0727	0.0880	0.1005	0.1109	0.1197	0.1271	0.1334
7				0.0240	0.0433	0.0593	0.0725	0.0837	0.0932	0.1013
8						0.0196	0.0359	0.0496	0.0612	0.0711
9								0.0163	0.0303	0.0422
10										0.0140

i/n	21	22	23	24	25	26	27	28	29	30
1	0.4643	0.4590	0.4542	0.4493	0.4450	0.4407	0.4366	0.4328	0.4291	0.4254
2	0.3185	0.3156	0.3126	0.3098	0.3069	0.3043	0.3018	0.2992	0.2968	0.2944
3	0.2578	0.2571	0.2563	0.2554	0.2543	0.2533	0.2522	0.2510	0.2499	0.2487
4	0.2119	0.2131	0.2139	0.2145	0.2148	0.2151	0.2152	0.2151	0.2150	0.2148
5	0.1736	0.1764	0.1787	0.1807	0.1822	0.1836	0.1848	0.1857	0.1864	0.1870
6	0.1399	0.1443	0.1480	0.1512	0.1539	0.1563	0.1584	0.1601	0.1616	0.1630
7	0.1092	0.1150	0.1201	0.1245	0.1283	0.1316	0.1346	0.1372	0.1395	0.1415
8	0.0804	0.0878	0.0941	0.0997	0.1046	0.1089	0.1128	0.1162	0.1192	0.1219
9	0.0530	0.0618	0.0696	0.0764	0.0823	0.0876	0.0923	0.0965	0.1002	0.1036
10	0.0263	0.0368	0.0459	0.0539	0.0610	0.0672	0.0728	0.0778	0.0822	0.0862
11		0.0122	0.0228	0.0321	0.0403	0.0476	0.0540	0.0598	0.0650	0.0697
12				0.0107	0.0200	0.0284	0.0358	0.0424	0.0483	0.0537
13						0.0094	0.0178	0.0253	0.0320	0.0381
14								0.0084	0.0159	0.0227
15										0.0076

i/n	31	32	33	34	35	36	37	38	39	40
1	0.4220	0.4188	0.4156	0.4127	0.4096	0.4068	0.4040	0.4015	0.9689	0.3964
2	0.2921	0.2898	0.2876	0.2854	0.2834	0.2813	0.2794	0.2774	0.2755	0.2737
3	0.2475	0.2463	0.2451	0.2439	0.2427	0.2415	0.2403	0.2391	0.2380	0.2368
4	0.2145	0.2141	0.2137	0.2132	0.2127	0.2121	0.2116	0.2110	0.2104	0.2098
5	0.1874	0.1878	0.1880	0.1882	0.1883	0.1883	0.1883	0.1881	0.1880	0.1878
6	0.1641	0.1651	0.1660	0.1667	0.1673	0.1678	0.1683	0.1686	0.1689	0.1691
7	0.1433	0.1449	0.1463	0.1475	0.1487	0.1496	0.1503	0.1513	0.1520	0.1526
8	0.1243	0.1265	0.1284	0.1301	0.1317	0.1331	0.1344	0.1356	0.1366	0.1376
9	0.1066	0.1093	0.1118	0.1140	0.1160	0.1179	0.1196	0.1211	0.1225	0.1237
10	0.0899	0.0931	0.0961	0.0988	0.1013	0.1036	0.1056	0.1075	0.1092	0.1108
11	0.0739	0.0777	0.0821	0.0844	0.0873	0.0900	0.0924	0.0947	0.0967	0.0986
12	0.0585	0.0629	0.0669	0.0706	0.0739	0.0770	0.0798	0.0824	0.0848	0.0870
13	0.0435	0.0485	0.0530	0.0572	0.0610	0.0645	0.0677	0.0706	0.0733	0.0759
14	0.0289	0.0344	0.0395	0.0441	0.0484	0.0523	0.0559	0.0592	0.0622	0.0651
15	0.0144	0.0206	0.0262	0.0314	0.0361	0.0404	0.0444	0.0481	0.0515	0.0546
16		0.0068	0.0131	0.0187	0.0239	0.0287	0.0331	0.0372	0.0409	0.0444
17				0.0062	0.0119	0.0172	0.0220	0.0264	0.0305	0.0343
18						0.0057	0.0110	0.0158	0.0203	0.0244
19								0.0053	0.0101	0.0146
20										0.0049

i/n	41	42	43	44	45	46	47	48	49	50
1	0.3940	0.3917	0.3894	0.3872	0.3850	0.3830	0.3808	0.3789	0.3770	0.3751
2	0.2719	0.2701	0.2684	0.2667	0.2651	0.2635	0.2620	0.2604	0.2589	0.2574
3	0.2357	0.2345	0.2334	0.2323	0.2313	0.2302	0.2291	0.2281	0.2271	0.2260
4	0.2091	0.2085	0.2078	0.2072	0.2065	0.2058	0.2052	0.2045	0.2038	0.2032
5	0.1876	0.1874	0.1871	0.1868	0.1865	0.1862	0.1859	0.1855	0.1851	0.1847
6	0.1693	0.1694	0.1695	0.1695	0.1695	0.1695	0.1695	0.1693	0.1692	0.1691
7	0.1531	0.1535	0.1539	0.1542	0.1545	0.1548	0.1550	0.1551	0.1553	0.1554
8	0.1384	0.1392	0.1398	0.1405	0.1410	0.1415	0.1420	0.1423	0.1427	0.1430
9	0.1249	0.1259	0.1269	0.1278	0.1286	0.1293	0.1300	0.1306	0.1312	0.1317
10	0.1123	0.1136	0.1149	0.1160	0.1170	0.1180	0.1189	0.1197	0.1205	0.1212
11	0.1004	0.1020	0.1035	0.1049	0.1062	0.1073	0.1085	0.1095	0.1105	0.1113
12	0.0891	0.0909	0.0927	0.0943	0.0959	0.0972	0.0986	0.0998	0.1010	0.1020
13	0.0782	0.0804	0.0824	0.0842	0.0860	0.0876	0.0892	0.0906	0.0919	0.0932
14	0.0677	0.0701	0.0724	0.0745	0.0775	0.0785	0.0801	0.0817	0.0832	0.0846
15	0.0575	0.0602	0.0628	0.0651	0.0673	0.0694	0.0713	0.0731	0.0748	0.0764
16	0.0476	0.0506	0.0534	0.0560	0.0584	0.0607	0.0628	0.0648	0.0667	0.0685
17	0.0379	0.0411	0.0442	0.0471	0.0497	0.0522	0.0546	0.0568	0.0588	0.0608
18	0.0283	0.0318	0.0352	0.0383	0.0412	0.0439	0.0465	0.0489	0.0511	0.0532
19	0.0188	0.0227	0.0263	0.0296	0.0328	0.0357	0.0385	0.0411	0.0436	0.0459
20	0.0094	0.0136	0.0175	0.0211	0.0245	0.0277	0.0307	0.0335	0.0361	0.0386
21		0.0045	0.0087	0.0126	0.0163	0.0197	0.0229	0.0259	0.0288	0.0314
22				0.0042	0.0081	0.0188	0.0153	0.0185	0.0215	0.0244
23						0.0039	0.0076	0.0111	0.0143	0.0174
24								0.0037	0.0071	0.0104
25										0.0350

PERCENTAGE POINTS OF THE W TEST FOR N=3 to 50

n	0.01	0.05
3	0.753	0.767
4	0.687	0.748
5	0.686	0.762
6	0.713	0.788
7	0.730	0.803
8	0.749	0.818
9	0.764	0.829
10	0.781	0.842
11	0.792	0.850
12	0.805	0.859
13	0.814	0.866
14	0.825	0.874
15	0.835	0.881
16	0.844	0.887
17	0.851	0.892
18	0.858	0.897
19	0.863	0.901
20	0.868	0.905
21	0.873	0.908
22	0.878	0.911
23	0.881	0.914
24	0.884	0.916
25	0.888	0.918
26	0.891	0.920
27	0.894	0.923
28	0.896	0.924
29	0.898	0.926
30	0.900	0.927

n	0.01	0.05
31	0.902	0.929
32	0.904	0.930
33	0.906	0.931
34	0.908	0.933
35	0.910	0.934
36	0.912	0.935
37	0.914	0.936
38	0.916	0.938
39	0.917	0.939
40	0.919	0.940
41	0.920	0.941
42	0.922	0.942
43	0.923	0.943
44	0.924	0.944
45	0.926	0.945
46	0.927	0.945
47	0.928	0.946
48	0.929	0.947
49	0.929	0.947
50	0.930	0.947

95th PERCENTILES OF F-DISTRIBUTION WITH v_1 and v_2 DEGREES OF FREEDOM

v_2/v_1	1	2	3	4	5	6	7	8	9	10	12	15	20	24	30	39	40	60	120
1	161.4	199.5	215.7	224.6	230.2	234.0	236.8	238.9	240.5	241.9	243.9	245.9	248.0	249.1	250.1	251.0	251.1	252.2	253.3
2	18.51	19.00	19.16	19.25	19.30	19.33	19.35	19.37	19.38	19.40	19.41	19.43	19.45	19.45	19.46	19.47	19.47	19.48	19.49
3	10.13	9.55	9.28	9.12	9.01	8.94	8.89	8.85	8.81	8.79	8.74	8.70	8.66	8.64	8.62	8.59	8.59	8.57	8.55
4	7.71	6.94	6.59	6.39	6.26	6.16	6.09	6.04	6.00	5.96	5.91	5.86	5.80	5.77	5.75	5.72	5.72	5.69	5.66
5	6.61	5.79	5.41	5.19	5.05	4.95	4.88	4.82	4.77	4.74	4.68	4.62	4.56	4.53	4.50	4.46	4.46	4.43	4.40
6	5.99	5.14	4.76	4.53	4.39	4.28	4.21	4.15	4.10	4.06	4.00	3.94	3.87	3.84	3.81	3.77	3.77	3.74	3.70
7	5.59	4.74	4.35	4.12	3.97	3.87	3.79	3.73	3.68	3.64	3.57	3.51	3.44	3.41	3.38	3.34	3.34	3.30	3.27
8	5.32	4.46	4.07	3.84	3.69	3.58	3.50	3.44	3.39	3.35	3.28	3.22	3.15	3.12	3.08	3.04	3.04	3.01	2.97
9	5.12	4.26	3.86	3.63	3.48	3.37	3.29	3.23	3.18	3.14	3.07	3.01	2.94	2.90	2.86	2.83	2.83	2.79	2.72
10	4.96	4.10	3.71	3.48	3.33	3.22	3.14	3.07	3.02	2.98	2.91	2.85	2.77	2.74	2.70	2.66	2.66	2.62	2.58
11	4.84	3.98	3.59	3.36	3.20	3.09	3.01	2.95	2.90	2.85	2.79	2.72	2.65	2.61	2.57	2.53	2.53	2.49	2.45
12	4.75	3.89	3.49	3.26	3.11	3.00	2.91	2.85	2.80	2.75	2.69	2.62	2.54	2.51	2.47	2.43	2.43	2.38	2.34
13	4.67	3.81	3.41	3.18	3.03	2.92	2.83	2.77	2.71	2.67	2.60	2.53	2.46	2.42	2.38	2.34	2.34	2.30	2.25
14	4.60	3.74	3.34	3.11	2.96	2.85	2.76	2.70	2.65	2.60	2.53	2.46	2.39	2.35	2.31	2.27	2.27	2.22	2.18
15	4.54	3.68	3.29	3.06	2.90	2.79	2.71	2.64	2.59	2.54	2.48	2.40	2.33	2.29	2.25	2.21	2.20	2.16	2.11
16	4.49	3.63	3.24	3.01	2.85	2.74	2.66	2.59	2.54	2.49	2.42	2.35	2.28	2.24	2.19	2.15	2.15	2.11	2.06
17	4.45	3.59	3.20	2.96	2.81	2.70	2.61	2.55	2.49	2.45	2.38	2.31	2.23	2.19	2.15	2.11	2.10	2.06	2.01
18	4.41	3.55	3.16	2.93	2.77	2.66	2.58	2.51	2.46	2.41	2.34	2.27	2.19	2.15	2.11	2.07	2.06	2.02	1.97
19	4.38	3.52	3.13	2.90	2.74	2.63	2.54	2.48	2.42	2.38	2.31	2.23	2.16	2.11	2.07	2.03	2.03	1.98	1.93
20	4.35	3.49	3.10	2.87	2.71	2.60	2.51	2.45	2.39	2.35	2.28	2.20	2.12	2.08	2.04	2.00	1.99	1.95	1.90
21	4.32	3.47	3.07	2.84	2.68	2.57	2.49	2.42	2.37	2.32	2.25	2.18	2.10	2.05	2.01	1.97	1.96	1.92	1.87
22	4.30	3.44	3.05	2.82	2.66	2.55	2.46	2.40	2.34	2.30	2.23	2.15	2.07	2.03	1.98	1.94	1.94	1.89	1.84
23	4.28	3.42	3.03	2.80	2.64	2.53	2.44	2.37	2.32	2.27	2.20	2.13	2.05	2.01	1.96	1.92	1.91	1.86	1.81
24	4.26	3.40	3.01	2.78	2.62	2.51	2.42	2.36	2.30	2.25	2.18	2.11	2.03	1.98	1.94	1.90	1.89	1.84	1.79
25	4.24	3.39	2.99	2.76	2.60	2.49	2.40	2.34	2.28	2.24	2.16	2.09	2.01	1.96	1.92	1.88	1.87	1.82	1.77
26	4.23	3.37	2.98	2.74	2.59	2.47	2.39	2.32	2.27	2.22	2.15	2.07	1.99	1.95	1.90	1.86	1.85	1.80	1.75
27	4.21	3.35	2.96	2.73	2.57	2.46	2.37	2.31	2.25	2.20	2.13	2.06	1.97	1.93	1.88	1.84	1.84	1.79	1.73
28	4.20	3.34	2.95	2.71	2.56	2.45	2.36	2.29	2.24	2.19	2.12	2.04	1.96	1.91	1.87	1.83	1.82	1.77	1.71
29	4.18	3.33	2.93	2.70	2.55	2.43	2.35	2.28	2.22	2.18	2.10	2.03	1.94	1.90	1.85	1.81	1.81	1.75	1.70
30	4.17	3.32	2.92	2.69	2.53	2.42	2.33	2.27	2.21	2.16	2.09	2.01	1.93	1.89	1.84	1.80	1.79	1.74	1.68
40	4.08	3.23	2.84	2.61	2.45	2.34	2.25	2.18	2.12	2.08	2.00	1.92	1.84	1.79	1.74	1.70	1.69	1.64	1.58
60	4.00	3.15	2.76	2.53	2.37	2.25	2.17	2.10	2.04	1.99	1.92	1.84	1.75	1.70	1.65	1.60	1.59	1.53	1.47
120	3.92	3.07	2.68	2.45	2.29	2.17	2.09	2.02	1.96	1.91	1.83	1.75	1.66	1.61	1.55	1.51	1.50	1.43	1.35

NOTE: v_1: Degrees of Freedom for numerator (horizontal axis)
v_2: Degrees of freedom for denominator (vertical axis)

YEAR 4 GROUNDWATER STATISTICAL ANALYSIS RESULTS
UPGRADIENT COMPARISON TO DOWNGRADIENT WELLS
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Downgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2WMW38DS	4/3/2003	12	ARSENIC, DISSOLVED	4	4	ug/L		4
2WMW38DS	8/20/2003	13	ARSENIC, DISSOLVED	3.88	3.88	ug/L	J	3.88
2WMW39DS	4/3/2003	12	ARSENIC, DISSOLVED		4	ug/L	U	2
2WMW39DS	8/20/2003	13	ARSENIC, DISSOLVED		4	ug/L	U	2
2WMW40DS	4/3/2003	12	ARSENIC, DISSOLVED	6	6	ug/L		6
2WMW40DS	8/19/2003	13	ARSENIC, DISSOLVED		20	ug/L	UJ	10
2WMW41DS	4/4/2003	12	ARSENIC, DISSOLVED	4	4	ug/L		4
2WMW41DS	8/21/2003	13	ARSENIC, DISSOLVED		20	ug/L	UJ	10
2WMW42DS	4/8/2003	12	ARSENIC, DISSOLVED	13	13	ug/L		13
2WMW42DS	8/18/2003	13	ARSENIC, DISSOLVED	18.6	18.6	ug/L	J	18.6
2WMW43DS	4/8/2003	12	ARSENIC, DISSOLVED	6	6	ug/L		6
2WMW43DS	8/18/2003	13	ARSENIC, DISSOLVED	4.99	4.99	ug/L		4.99
2WMW44DS	4/14/2003	12	ARSENIC, DISSOLVED		4	ug/L	U	2
2WMW44DS	8/19/2003	13	ARSENIC, DISSOLVED		20	ug/L	UJ	10
2WMW45DS	4/14/2003	12	ARSENIC, DISSOLVED	5.5	5.5	ug/L		5.5
2WMW45DS	8/19/2003	13	ARSENIC, DISSOLVED		20	ug/L	UJ	10
2WMW46DS	4/13/2003	12	ARSENIC, DISSOLVED	19	19	ug/L		19
2WMW46DS	8/18/2003	13	ARSENIC, DISSOLVED	12	12	ug/L		12
2WMW47DS	4/15/2003	12	ARSENIC, DISSOLVED	12	12	ug/L		12
2WMW47DS	8/20/2003	13	ARSENIC, DISSOLVED	17.5	17.5	ug/L		17.5
3MW12D	4/2/2003	12	ARSENIC, DISSOLVED		4	ug/L	U	2
3MW12D	8/20/2003	13	ARSENIC, DISSOLVED	4	4	ug/L	UJ	4
3MW37S	4/2/2003	12	ARSENIC, DISSOLVED		4	ug/L	U	2
3MW37S	8/20/2003	13	ARSENIC, DISSOLVED	4	4	ug/L	UJ	4

Frequency of Detection:	15	/	24
Range of Detections:	3.88	-	19
Average of Detections:	8.96		
Average of All Data:	7.69		

Upgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2LMW20S	4/15/2003	12	ARSENIC, DISSOLVED		4	ug/L	U	2
2LMW20S	8/21/2003	13	ARSENIC, DISSOLVED		4	ug/L	UJ	2
4MW1S	4/15/2003	12	ARSENIC, DISSOLVED		4	ug/L	U	2
4MW1S	8/21/2003	13	ARSENIC, DISSOLVED		4	ug/L	UJ	2

Frequency of Detection:	0	/	4
Range of Detections:	0	-	0
Average of Detections:	0		
Average of All Data:	2		

TWO SAMPLE TEST OF PROPORTIONS

4.0001	C = Largest upgradient non-detect value plus 0.0001	0.417	p_d = Proportion of Downgradient samples that exceed C
10	K_d = Downgradient measurements that exceed C	0.000	p_u = Proportion of Upgradient samples that exceed C
0	K_u = Upgradient measurements that exceed C	0.357	p = Proportion of samples that exceed C
24	n = Number of Downgradient Samples	1.610	Z_p = Test Statistic
4	m = Number of Upgradient Samples	NO	Downgradients results exceed upgradient when Z_p>1.645

YEAR 4 GROUNDWATER STATISTICAL ANALYSIS RESULTS
UPGRADIENT COMPARISON TO DOWNGRADIENT WELLS
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Downgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2WMW38DS	4/3/2003	12	ARSENIC, TOTAL		4	ug/L	U	2
2WMW38DS	8/20/2003	13	ARSENIC, TOTAL		4	ug/L	UJ	2
2WMW39DS	4/3/2003	12	ARSENIC, TOTAL		4	ug/L	U	2
2WMW39DS	8/20/2003	13	ARSENIC, TOTAL		4	ug/L	U	2
2WMW40DS	4/3/2003	12	ARSENIC, TOTAL	8	8	ug/L		8
2WMW40DS	8/19/2003	13	ARSENIC, TOTAL		20	ug/L	UJ	10
2WMW41DS	4/4/2003	12	ARSENIC, TOTAL	4	4	ug/L		4
2WMW41DS	8/21/2003	13	ARSENIC, TOTAL		20	ug/L	UJ	10
2WMW42DS	4/8/2003	12	ARSENIC, TOTAL	4	4	ug/L		4
2WMW42DS	8/18/2003	13	ARSENIC, TOTAL		20	ug/L	UJ	10
2WMW43DS	4/8/2003	12	ARSENIC, TOTAL	7	7	ug/L		7
2WMW43DS	8/18/2003	13	ARSENIC, TOTAL	6	6	ug/L		6
2WMW44DS	4/14/2003	12	ARSENIC, TOTAL		4	ug/L	U	2
2WMW44DS	8/19/2003	13	ARSENIC, TOTAL		20	ug/L	UJ	10
2WMW45DS	4/14/2003	12	ARSENIC, TOTAL	8.5	8.5	ug/L		8.5
2WMW45DS	8/19/2003	13	ARSENIC, TOTAL		20	ug/L	UJ	10
2WMW46DS	4/13/2003	12	ARSENIC, TOTAL	18	18	ug/L		18
2WMW46DS	8/18/2003	13	ARSENIC, TOTAL	17	17	ug/L		17
2WMW47DS	4/15/2003	12	ARSENIC, TOTAL	15	15	ug/L		15
2WMW47DS	8/20/2003	13	ARSENIC, TOTAL	32	32	ug/L		32
3MW12D	4/2/2003	12	ARSENIC, TOTAL		4	ug/L	U	2
3MW12D	8/20/2003	13	ARSENIC, TOTAL		4	ug/L	UJ	2
3MW37S	4/2/2003	12	ARSENIC, TOTAL		4	ug/L	U	2
3MW37S	8/20/2003	13	ARSENIC, TOTAL		4	ug/L	UJ	2

Frequency of Detection:	10	/	24
Range of Detections:	4	-	32
Average of Detections:	11.95		
Average of All Data:	7.81		

Upgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2LMW20S	4/15/2003	12	ARSENIC, TOTAL		4	ug/L	U	2
2LMW20S	8/21/2003	13	ARSENIC, TOTAL		4	ug/L	UJ	2
4MW1S	4/15/2003	12	ARSENIC, TOTAL		4	ug/L	U	2
4MW1S	8/21/2003	13	ARSENIC, TOTAL		4	ug/L	UJ	2

Frequency of Detection:	0	/	4
Range of Detections:	0	-	0
Average of Detections:	0		
Average of All Data:	2		

TWO SAMPLE TEST OF PROPORTIONS

4.0001	C = Largest upgradient non-detect value plus 0.0001	0.333	p_d = Proportion of Downgradient samples that exceed C
8	K_d = Downgradient measurements that exceed C	0.000	p_u = Proportion of Upgradient samples that exceed C
0	K_u = Upgradient measurements that exceed C	0.286	p = Proportion of samples that exceed C
24	n = Number of Downgradient Samples	1.366	Z_p = Test Statistic
4	m = Number of Upgradient Samples	NO	Downgradients results exceed upgradient when Z_p>1.645

YEAR 4 GROUNDWATER STATISTICAL ANALYSIS RESULTS
UPGRADIENT COMPARISON TO DOWNGRADIENT WELLS
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Downgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2WMW38DS	4/3/2003	12	BENZO(A)ANTHRACENE		0.1	ug/l	U	0.05
2WMW38DS	8/20/2003	13	BENZO(A)ANTHRACENE		0.2	ug/l	UJ	0.1
2WMW39DS	4/3/2003	12	BENZO(A)ANTHRACENE		0.1	ug/l	U	0.05
2WMW39DS	8/20/2003	13	BENZO(A)ANTHRACENE		0.2	ug/l	UJ	0.1
2WMW40DS	4/3/2003	12	BENZO(A)ANTHRACENE		0.1	ug/l	U	0.05
2WMW40DS	8/19/2003	13	BENZO(A)ANTHRACENE		0.2	ug/l	UJ	0.1
2WMW41DS	4/4/2003	12	BENZO(A)ANTHRACENE		0.1	ug/l	U	0.05
2WMW41DS	8/21/2003	13	BENZO(A)ANTHRACENE		0.2	ug/l	UJ	0.1
2WMW42DS	4/8/2003	12	BENZO(A)ANTHRACENE	0.11	0.11	ug/l		0.11
2WMW42DS	8/18/2003	13	BENZO(A)ANTHRACENE		0.2	ug/l	UJ	0.1
2WMW43DS	4/8/2003	12	BENZO(A)ANTHRACENE		0.1	ug/l	U	0.05
2WMW43DS	8/18/2003	13	BENZO(A)ANTHRACENE		0.2	ug/l	U	0.1
2WMW44DS	4/14/2003	12	BENZO(A)ANTHRACENE		0.1	ug/l	U	0.05
2WMW44DS	8/19/2003	13	BENZO(A)ANTHRACENE		0.2	ug/l	UJ	0.1
2WMW45DS	4/14/2003	12	BENZO(A)ANTHRACENE		0.1	ug/l	U	0.05
2WMW45DS	8/19/2003	13	BENZO(A)ANTHRACENE		0.2	ug/l	UJ	0.1
2WMW46DS	4/13/2003	12	BENZO(A)ANTHRACENE		0.1	ug/l	U	0.05
2WMW46DS	8/18/2003	13	BENZO(A)ANTHRACENE		0.2	ug/l	UJ	0.1
2WMW47DS	4/15/2003	12	BENZO(A)ANTHRACENE		0.1	ug/l	U	0.05
2WMW47DS	8/20/2003	13	BENZO(A)ANTHRACENE		0.2	ug/l	U	0.1
3MW12D	4/2/2003	12	BENZO(A)ANTHRACENE		0.1	ug/l	U	0.05
3MW12D	8/20/2003	13	BENZO(A)ANTHRACENE		0.2	ug/l	UJ	0.1
3MW37S	4/2/2003	12	BENZO(A)ANTHRACENE		0.1	ug/l	U	0.05
3MW37S	8/20/2003	13	BENZO(A)ANTHRACENE		0.2	ug/l	U	0.1

Frequency of Detection:	1	/	24
Range of Detections:	0.11	-	0.11
Average of Detections:	0.11		
Average of All Data:	0.078		

Upgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2LMW20S	4/15/2003	12	BENZO(A)ANTHRACENE		0.1	ug/l	U	0.05
2LMW20S	8/21/2003	13	BENZO(A)ANTHRACENE		0.2	ug/l	UJ	0.1
4MW1S	4/15/2003	12	BENZO(A)ANTHRACENE		0.1	ug/l	UJ	0.05
4MW1S	8/21/2003	13	BENZO(A)ANTHRACENE		0.2	ug/l	UJ	0.1

Frequency of Detection:	0	/	4
Range of Detections:	0	-	0
Average of Detections:	0		
Average of All Data:	0.075		

TWO SAMPLE TEST OF PROPORTIONS

0.2001	C = Largest upgradient non-detect value plus 0.0001	0.000	p_d = Proportion of Downgradient samples that exceed C
0	K_d = Downgradient measurements that exceed C	0.000	p_u = Proportion of Upgradient samples that exceed C
0	K_u = Upgradient measurements that exceed C	0.000	p = Proportion of samples that exceed C
24	n = Number of Downgradient Samples	0.000	Z_p = Test Statistic
4	m = Number of Upgradient Samples	NO	Downgradients results exceed upgradient when Z_p>1.645

YEAR 4 GROUNDWATER STATISTICAL ANALYSIS RESULTS
UPGRADIENT COMPARISON TO DOWNGRADIENT WELLS
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Downgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2WMW38DS	4/3/2003	12	BENZO(A)PYRENE		0.1	ug/l	U	0.05
2WMW38DS	8/20/2003	13	BENZO(A)PYRENE		0.2	ug/l	UJ	0.1
2WMW39DS	4/3/2003	12	BENZO(A)PYRENE		0.1	ug/l	U	0.05
2WMW39DS	8/20/2003	13	BENZO(A)PYRENE		0.2	ug/l	UJ	0.1
2WMW40DS	4/3/2003	12	BENZO(A)PYRENE		0.1	ug/l	U	0.05
2WMW40DS	8/19/2003	13	BENZO(A)PYRENE		0.2	ug/l	UJ	0.1
2WMW41DS	4/4/2003	12	BENZO(A)PYRENE		0.1	ug/l	U	0.05
2WMW41DS	8/21/2003	13	BENZO(A)PYRENE		0.2	ug/l	UJ	0.1
2WMW42DS	4/8/2003	12	BENZO(A)PYRENE		0.1	ug/l	U	0.05
2WMW42DS	8/18/2003	13	BENZO(A)PYRENE		0.2	ug/l	UJ	0.1
2WMW43DS	4/8/2003	12	BENZO(A)PYRENE		0.1	ug/l	U	0.05
2WMW43DS	8/18/2003	13	BENZO(A)PYRENE		0.2	ug/l	U	0.1
2WMW44DS	4/14/2003	12	BENZO(A)PYRENE		0.1	ug/l	U	0.05
2WMW44DS	8/19/2003	13	BENZO(A)PYRENE		0.2	ug/l	UJ	0.1
2WMW45DS	4/14/2003	12	BENZO(A)PYRENE		0.1	ug/l	U	0.05
2WMW45DS	8/19/2003	13	BENZO(A)PYRENE		0.2	ug/l	UJ	0.1
2WMW46DS	4/13/2003	12	BENZO(A)PYRENE		0.1	ug/l	U	0.05
2WMW46DS	8/18/2003	13	BENZO(A)PYRENE		0.2	ug/l	UJ	0.1
2WMW47DS	4/15/2003	12	BENZO(A)PYRENE		0.1	ug/l	U	0.05
2WMW47DS	8/20/2003	13	BENZO(A)PYRENE		0.2	ug/l	U	0.1
3MW12D	4/2/2003	12	BENZO(A)PYRENE		0.1	ug/l	U	0.05
3MW12D	8/20/2003	13	BENZO(A)PYRENE		0.2	ug/l	UJ	0.1
3MW37S	4/2/2003	12	BENZO(A)PYRENE		0.1	ug/l	U	0.05
3MW37S	8/20/2003	13	BENZO(A)PYRENE		0.2	ug/l	U	0.1

Frequency of Detection:	0	/	24
Range of Detections:	0	-	0
Average of Detections:	0		
Average of All Data:	0.075		

Upgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2LMW20S	4/15/2003	12	BENZO(A)PYRENE		0.1	ug/l	U	0.05
2LMW20S	8/21/2003	13	BENZO(A)PYRENE		0.2	ug/l	UJ	0.1
4MW1S	4/15/2003	12	BENZO(A)PYRENE		0.1	ug/l	U	0.05
4MW1S	8/21/2003	13	BENZO(A)PYRENE		0.2	ug/l	UJ	0.1

Frequency of Detection:	0	/	4
Range of Detections:	0	-	0
Average of Detections:	0		
Average of All Data:	0.075		

TWO SAMPLE TEST OF PROPORTIONS

0.2001	C = Largest upgradient non-detect value plus 0.0001	0.000	p_d = Proportion of Downgradient samples that exceed C
0	K_d = Downgradient measurements that exceed C	0.000	p_u = Proportion of Upgradient samples that exceed C
0	K_u = Upgradient measurements that exceed C	0.000	p = Proportion of samples that exceed C
24	n = Number of Downgradient Samples	0.000	Z_p = Test Statistic
4	m = Number of Upgradient Samples	NO	Downgradients results exceed upgradient when Z_p>1.645

YEAR 4 GROUNDWATER STATISTICAL ANALYSIS RESULTS
UPGRADIENT COMPARISON TO DOWNGRADIENT WELLS
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Downgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2WMW38DS	4/3/2003	12	BENZO(B)FLUORANTHENE		0.1	ug/l	U	0.05
2WMW38DS	8/20/2003	13	BENZO(B)FLUORANTHENE		0.2	ug/l	UJ	0.1
2WMW39DS	4/3/2003	12	BENZO(B)FLUORANTHENE		0.1	ug/l	U	0.05
2WMW39DS	8/20/2003	13	BENZO(B)FLUORANTHENE		0.2	ug/l	UJ	0.1
2WMW40DS	4/3/2003	12	BENZO(B)FLUORANTHENE		0.1	ug/l	U	0.05
2WMW40DS	8/19/2003	13	BENZO(B)FLUORANTHENE		0.2	ug/l	UJ	0.1
2WMW41DS	4/4/2003	12	BENZO(B)FLUORANTHENE		0.1	ug/l	U	0.05
2WMW41DS	8/21/2003	13	BENZO(B)FLUORANTHENE		0.2	ug/l	UJ	0.1
2WMW42DS	4/8/2003	12	BENZO(B)FLUORANTHENE		0.1	ug/l	U	0.05
2WMW42DS	8/18/2003	13	BENZO(B)FLUORANTHENE		0.2	ug/l	UJ	0.1
2WMW43DS	4/8/2003	12	BENZO(B)FLUORANTHENE		0.1	ug/l	U	0.05
2WMW43DS	8/18/2003	13	BENZO(B)FLUORANTHENE		0.2	ug/l	U	0.1
2WMW44DS	4/14/2003	12	BENZO(B)FLUORANTHENE		0.1	ug/l	U	0.05
2WMW44DS	8/19/2003	13	BENZO(B)FLUORANTHENE		0.2	ug/l	UJ	0.1
2WMW45DS	4/14/2003	12	BENZO(B)FLUORANTHENE		0.1	ug/l	U	0.05
2WMW45DS	8/19/2003	13	BENZO(B)FLUORANTHENE		0.2	ug/l	UJ	0.1
2WMW46DS	4/13/2003	12	BENZO(B)FLUORANTHENE		0.1	ug/l	U	0.05
2WMW46DS	8/18/2003	13	BENZO(B)FLUORANTHENE		0.2	ug/l	UJ	0.1
2WMW47DS	4/15/2003	12	BENZO(B)FLUORANTHENE		0.1	ug/l	U	0.05
2WMW47DS	8/20/2003	13	BENZO(B)FLUORANTHENE		0.2	ug/l	U	0.1
3MW12D	4/2/2003	12	BENZO(B)FLUORANTHENE		0.1	ug/l	U	0.05
3MW12D	8/20/2003	13	BENZO(B)FLUORANTHENE		0.2	ug/l	UJ	0.1
3MW37S	4/2/2003	12	BENZO(B)FLUORANTHENE		0.1	ug/l	U	0.05
3MW37S	8/20/2003	13	BENZO(B)FLUORANTHENE		0.2	ug/l	U	0.1

Frequency of Detection:	0	/	24
Range of Detections:	0	-	0
Average of Detections:	0		
Average of All Data:	0.075		

Upgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2LMW20S	4/15/2003	12	BENZO(B)FLUORANTHENE		0.1	ug/l	U	0.05
2LMW20S	8/21/2003	13	BENZO(B)FLUORANTHENE		0.2	ug/l	UJ	0.1
4MW1S	4/15/2003	12	BENZO(B)FLUORANTHENE		0.1	ug/l	U	0.05
4MW1S	8/21/2003	13	BENZO(B)FLUORANTHENE		0.2	ug/l	UJ	0.1

Frequency of Detection:	0	/	4
Range of Detections:	0	-	0
Average of Detections:	0		
Average of All Data:	0.075		

TWO SAMPLE TEST OF PROPORTIONS

0.2001	C = Largest upgradient non-detect value plus 0.0001	0.000	p_d = Proportion of Downgradient samples that exceed C
0	K_d = Downgradient measurements that exceed C	0.000	p_u = Proportion of Upgradient samples that exceed C
0	K_u = Upgradient measurements that exceed C	0.000	p = Proportion of samples that exceed C
24	n = Number of Downgradient Samples	0.000	Z_p = Test Statistic
4	m = Number of Upgradient Samples	NO	Downgradients results exceed upgradient when Z_p>1.645

YEAR 4 GROUNDWATER STATISTICAL ANALYSIS RESULTS
UPGRADIENT COMPARISON TO DOWNGRADIENT WELLS
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Downgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2WMW38DS	4/3/2003	12	BENZO(K)FLUORANTHENE		0.1	ug/l	U	0.05
2WMW38DS	8/20/2003	13	BENZO(K)FLUORANTHENE		0.2	ug/l	UJ	0.1
2WMW39DS	4/3/2003	12	BENZO(K)FLUORANTHENE		0.1	ug/l	U	0.05
2WMW39DS	8/20/2003	13	BENZO(K)FLUORANTHENE		0.2	ug/l	UJ	0.1
2WMW40DS	4/3/2003	12	BENZO(K)FLUORANTHENE		0.1	ug/l	U	0.05
2WMW40DS	8/19/2003	13	BENZO(K)FLUORANTHENE		0.2	ug/l	UJ	0.1
2WMW41DS	4/4/2003	12	BENZO(K)FLUORANTHENE		0.1	ug/l	U	0.05
2WMW41DS	8/21/2003	13	BENZO(K)FLUORANTHENE		0.2	ug/l	UJ	0.1
2WMW42DS	4/8/2003	12	BENZO(K)FLUORANTHENE		0.1	ug/l	U	0.05
2WMW42DS	8/18/2003	13	BENZO(K)FLUORANTHENE		0.2	ug/l	UJ	0.1
2WMW43DS	4/8/2003	12	BENZO(K)FLUORANTHENE		0.1	ug/l	U	0.05
2WMW43DS	8/18/2003	13	BENZO(K)FLUORANTHENE		0.2	ug/l	U	0.1
2WMW44DS	4/14/2003	12	BENZO(K)FLUORANTHENE		0.1	ug/l	U	0.05
2WMW44DS	8/19/2003	13	BENZO(K)FLUORANTHENE		0.2	ug/l	UJ	0.1
2WMW45DS	4/14/2003	12	BENZO(K)FLUORANTHENE		0.1	ug/l	U	0.05
2WMW45DS	8/19/2003	13	BENZO(K)FLUORANTHENE		0.2	ug/l	UJ	0.1
2WMW46DS	4/13/2003	12	BENZO(K)FLUORANTHENE		0.1	ug/l	U	0.05
2WMW46DS	8/18/2003	13	BENZO(K)FLUORANTHENE		0.2	ug/l	UJ	0.1
2WMW47DS	4/15/2003	12	BENZO(K)FLUORANTHENE		0.1	ug/l	U	0.05
2WMW47DS	8/20/2003	13	BENZO(K)FLUORANTHENE		0.2	ug/l	U	0.1
3MW12D	4/2/2003	12	BENZO(K)FLUORANTHENE		0.1	ug/l	U	0.05
3MW12D	8/20/2003	13	BENZO(K)FLUORANTHENE		0.2	ug/l	UJ	0.1
3MW37S	4/2/2003	12	BENZO(K)FLUORANTHENE		0.1	ug/l	U	0.05
3MW37S	8/20/2003	13	BENZO(K)FLUORANTHENE		0.2	ug/l	U	0.1

Frequency of Detection:	0	/	24
Range of Detections:	0	-	0
Average of Detections:	0		
Average of All Data:	0.075		

Upgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2LMW20S	4/15/2003	12	BENZO(K)FLUORANTHENE		0.1	ug/l	U	0.05
2LMW20S	8/21/2003	13	BENZO(A)PYRENE		0.2	ug/l	UJ	0.1
4MW1S	4/15/2003	12	BENZO(A)PYRENE		0.1	ug/l	U	0.05
4MW1S	8/21/2003	13	BENZO(A)PYRENE		0.2	ug/l	UJ	0.1

Frequency of Detection:	0	/	4
Range of Detections:	0	-	0
Average of Detections:	0		
Average of All Data:	0.075		

TWO SAMPLE TEST OF PROPORTIONS

0.2001	C = Largest upgradient non-detect value plus 0.0001	0.000	p_d = Proportion of Downgradient samples that exceed C
0	K_d = Downgradient measurements that exceed C	0.000	p_u = Proportion of Upgradient samples that exceed C
0	K_u = Upgradient measurements that exceed C	0.000	p = Proportion of samples that exceed C
24	n = Number of Downgradient Samples	0.000	Z_p = Test Statistic
4	m = Number of Upgradient Samples	NO	Downgradients results exceed upgradient when Z_p>1.645

YEAR 4 GROUNDWATER STATISTICAL ANALYSIS RESULTS
UPGRADIENT COMPARISON TO DOWNGRADIENT WELLS
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Downgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2WMW38DS	4/3/2003	12	BERYLLIUM, DISSOLVED		4	ug/L	U	2
2WMW38DS	8/20/2003	13	BERYLLIUM, DISSOLVED		2	ug/L	UJ	1
2WMW39DS	4/3/2003	12	BERYLLIUM, DISSOLVED		4	ug/L	U	2
2WMW39DS	8/20/2003	13	BERYLLIUM, DISSOLVED		2	ug/L	U	1
2WMW40DS	4/3/2003	12	BERYLLIUM, DISSOLVED		4	ug/L	U	2
2WMW40DS	8/19/2003	13	BERYLLIUM, DISSOLVED		10	ug/L	UJ	5
2WMW41DS	4/4/2003	12	BERYLLIUM, DISSOLVED		4	ug/L	U	2
2WMW41DS	8/21/2003	13	BERYLLIUM, DISSOLVED		10	ug/L	UJ	5
2WMW42DS	4/8/2003	12	BERYLLIUM, DISSOLVED		4	ug/L	U	2
2WMW42DS	8/18/2003	13	BERYLLIUM, DISSOLVED		10	ug/L	UJ	5
2WMW43DS	4/8/2003	12	BERYLLIUM, DISSOLVED		4	ug/L	U	2
2WMW43DS	8/18/2003	13	BERYLLIUM, DISSOLVED		2	ug/L	U	1
2WMW44DS	4/14/2003	12	BERYLLIUM, DISSOLVED		4	ug/L	U	2
2WMW44DS	8/19/2003	13	BERYLLIUM, DISSOLVED		10	ug/L	UJ	5
2WMW45DS	4/14/2003	12	BERYLLIUM, DISSOLVED		4	ug/L	U	2
2WMW45DS	8/19/2003	13	BERYLLIUM, DISSOLVED		10	ug/L	UJ	5
2WMW46DS	4/13/2003	12	BERYLLIUM, DISSOLVED		4	ug/L	U	2
2WMW46DS	8/18/2003	13	BERYLLIUM, DISSOLVED		2	ug/L	U	1
2WMW47DS	4/15/2003	12	BERYLLIUM, DISSOLVED		4	ug/L	U	2
2WMW47DS	8/20/2003	13	BERYLLIUM, DISSOLVED		2	ug/L	U	1
3MW12D	4/2/2003	12	BERYLLIUM, DISSOLVED		4	ug/L	U	2
3MW12D	8/20/2003	13	BERYLLIUM, DISSOLVED		2	ug/L	UJ	1
3MW37S	4/2/2003	12	BERYLLIUM, DISSOLVED		4	ug/L	U	2
3MW37S	8/20/2003	13	BERYLLIUM, DISSOLVED		2	ug/L	UJ	1

Frequency of Detection:	0	/	24
Range of Detections:	0	-	0
Average of Detections:	0		
Average of All Data:	2.33		

UPgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2LMW20S	4/15/2003	12	BERYLLIUM, DISSOLVED		4	ug/L	U	2
2LMW20S	8/21/2003	13	BERYLLIUM, DISSOLVED		2	ug/L	UJ	1
4MW1S	4/15/2003	12	BERYLLIUM, DISSOLVED		4	ug/L	U	2
4MW1S	8/21/2003	13	BERYLLIUM, DISSOLVED		2	ug/L	UJ	1

Frequency of Detection:	0	/	4
Range of Detections:	0	-	0
Average of Detections:	0		
Average of All Data:	1.5		

TWO SAMPLE TEST OF PROPORTIONS

4.0001	C = Largest upgradient non-detect value plus 0.0001	0.000	p_d = Proportion of Downgradient samples that exceed C
0	K_d = Downgradient measurements that exceed C	0.000	p_u = Proportion of Upgradient samples that exceed C
0	K_u = Upgradient measurements that exceed C	0.000	p = Proportion of samples that exceed C
24	n = Number of Downgradient Samples	0.000	Z_p = Test Statistic
4	m = Number of Upgradient Samples	NO	Downgradients results exceed upgradient when Z_p>1.645

YEAR 4 GROUNDWATER STATISTICAL ANALYSIS RESULTS
UPGRADIENT COMPARISON TO DOWNGRADIENT WELLS
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Downgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2WMW38DS	4/3/2003	12	BERYLLIUM, TOTAL		4	ug/L	U	2
2WMW38DS	8/20/2003	13	BERYLLIUM, TOTAL		2	ug/L	UJ	1
2WMW39DS	4/3/2003	12	BERYLLIUM, TOTAL		4	ug/L	U	2
2WMW39DS	8/20/2003	13	BERYLLIUM, TOTAL		2	ug/L	U	1
2WMW40DS	4/3/2003	12	BERYLLIUM, TOTAL		4	ug/L	U	2
2WMW40DS	8/19/2003	13	BERYLLIUM, TOTAL		10	ug/L	UJ	5
2WMW41DS	4/4/2003	12	BERYLLIUM, TOTAL		4	ug/L	U	2
2WMW41DS	8/21/2003	13	BERYLLIUM, TOTAL		10	ug/L	UJ	5
2WMW42DS	4/8/2003	12	BERYLLIUM, TOTAL		4	ug/L	U	2
2WMW42DS	8/18/2003	13	BERYLLIUM, TOTAL		10	ug/L	UJ	5
2WMW43DS	4/8/2003	12	BERYLLIUM, TOTAL		4	ug/L	U	2
2WMW43DS	8/18/2003	13	BERYLLIUM, TOTAL		2	ug/L	U	1
2WMW44DS	4/14/2003	12	BERYLLIUM, TOTAL		4	ug/L	U	2
2WMW44DS	8/19/2003	13	BERYLLIUM, TOTAL		10	ug/L	UJ	5
2WMW45DS	4/14/2003	12	BERYLLIUM, TOTAL		4	ug/L	U	2
2WMW45DS	8/19/2003	13	BERYLLIUM, TOTAL		10	ug/L	UJ	5
2WMW46DS	4/13/2003	12	BERYLLIUM, TOTAL		4	ug/L	U	2
2WMW46DS	8/18/2003	13	BERYLLIUM, TOTAL		2	ug/L	U	1
2WMW47DS	4/15/2003	12	BERYLLIUM, TOTAL		4	ug/L	U	2
2WMW47DS	8/20/2003	13	BERYLLIUM, TOTAL		2	ug/L	U	1
3MW12D	4/2/2003	12	BERYLLIUM, TOTAL		4	ug/L	U	2
3MW12D	8/20/2003	13	BERYLLIUM, TOTAL		2	ug/L	UJ	1
3MW37S	4/2/2003	12	BERYLLIUM, TOTAL		4	ug/L	U	2
3MW37S	8/20/2003	13	BERYLLIUM, TOTAL		2	ug/L	UJ	1

Frequency of Detection:	0	/	24
Range of Detections:	0	-	0
Average of Detections:	0		
Average of All Data:	2.33		

UPgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2LMW20S	4/15/2003	12	BERYLLIUM, TOTAL		4	ug/L	U	2
2LMW20S	8/21/2003	13	BERYLLIUM, TOTAL		2	ug/L	UJ	1
4MW1S	4/15/2003	12	BERYLLIUM, TOTAL		4	ug/L	U	2
4MW1S	8/21/2003	13	BERYLLIUM, TOTAL		2	ug/L	UJ	1

Frequency of Detection:	0	/	4
Range of Detections:	0	-	0
Average of Detections:	0		
Average of All Data:	1.5		

TWO SAMPLE TEST OF PROPORTIONS

4.0001	C = Largest upgradient non-detect value plus 0.0001	0.000	p_d = Proportion of Downgradient samples that exceed C
0	K_d = Downgradient measurements that exceed C	0.000	p_u = Proportion of Upgradient samples that exceed C
0	K_u = Upgradient measurements that exceed C	0.000	p = Proportion of samples that exceed C
24	n = Number of Downgradient Samples	0.000	Z_p = Test Statistic
4	m = Number of Upgradient Samples	NO	Downgradients results exceed upgradient when Z_p>1.645

YEAR 4 GROUNDWATER STATISTICAL ANALYSIS RESULTS
UPGRADIENT COMPARISON TO DOWNGRADIENT WELLS
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Downgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2WMW38DS	4/3/2003	12	BIS(2-ETHYLHEXYL)PHTHALATE		4.9	ug/L	U	2.45
2WMW38DS	8/20/2003	13	BIS(2-ETHYLHEXYL)PHTHALATE		10	ug/L	U	5
2WMW39DS	4/3/2003	12	BIS(2-ETHYLHEXYL)PHTHALATE		5	ug/L	U	2.5
2WMW39DS	8/20/2003	13	BIS(2-ETHYLHEXYL)PHTHALATE		10	ug/L	U	5
2WMW40DS	4/3/2003	12	BIS(2-ETHYLHEXYL)PHTHALATE		5	ug/L	U	2.5
2WMW40DS	8/19/2003	13	BIS(2-ETHYLHEXYL)PHTHALATE	3.5	3.5	ug/L	J	3.5
2WMW41DS	4/4/2003	12	BIS(2-ETHYLHEXYL)PHTHALATE		5	ug/L	U	2.5
2WMW41DS	8/21/2003	13	BIS(2-ETHYLHEXYL)PHTHALATE	3.9	3.9	ug/L	J	3.9
2WMW42DS	4/8/2003	12	BIS(2-ETHYLHEXYL)PHTHALATE		5	ug/L	U	2.5
2WMW42DS	8/18/2003	13	BIS(2-ETHYLHEXYL)PHTHALATE	3.7	3.7	ug/L	J	3.7
2WMW43DS	4/8/2003	12	BIS(2-ETHYLHEXYL)PHTHALATE		5	ug/L	UJ	2.5
2WMW43DS	8/18/2003	13	BIS(2-ETHYLHEXYL)PHTHALATE	3.85	3.85	ug/L	J	3.85
2WMW44DS	4/14/2003	12	BIS(2-ETHYLHEXYL)PHTHALATE		11	ug/L	U	5.5
2WMW44DS	8/19/2003	13	BIS(2-ETHYLHEXYL)PHTHALATE	3.7	3.7	ug/L	J	3.7
2WMW45DS	4/14/2003	12	BIS(2-ETHYLHEXYL)PHTHALATE		11	ug/L	U	5.5
2WMW45DS	8/19/2003	13	BIS(2-ETHYLHEXYL)PHTHALATE	3.7	3.7	ug/L	J	3.7
2WMW46DS	4/13/2003	12	BIS(2-ETHYLHEXYL)PHTHALATE		5	ug/L	U	2.5
2WMW46DS	8/18/2003	13	BIS(2-ETHYLHEXYL)PHTHALATE	4	4	ug/L	J	4
2WMW47DS	4/15/2003	12	BIS(2-ETHYLHEXYL)PHTHALATE		21	ug/L	U	10.5
2WMW47DS	8/20/2003	13	BIS(2-ETHYLHEXYL)PHTHALATE	3.6	3.6	ug/L	J	3.6
3MW12D	4/2/2003	12	BIS(2-ETHYLHEXYL)PHTHALATE		5	ug/L	U	2.5
3MW12D	8/20/2003	13	BIS(2-ETHYLHEXYL)PHTHALATE	3.7	3.7	ug/L	J	3.7
3MW37S	4/2/2003	12	BIS(2-ETHYLHEXYL)PHTHALATE		5	ug/L	U	2.5
3MW37S	8/20/2003	13	BIS(2-ETHYLHEXYL)PHTHALATE	3.6	3.6	ug/L	J	3.6

Frequency of Detection:	10	/	24
Range of Detections:	3.5	-	4
Average of Detections:	3.73		
Average of All Data:	3.80		

Upgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2LMW20S	4/15/2003	12	BIS(2-ETHYLHEXYL)PHTHALATE		12	ug/L	U	6
2LMW20S	8/21/2003	13	BIS(2-ETHYLHEXYL)PHTHALATE	3.6	3.6	ug/L	J	3.6
4MW1S	4/15/2003	12	BIS(2-ETHYLHEXYL)PHTHALATE		10	ug/L	U	5
4MW1S	8/21/2003	13	BIS(2-ETHYLHEXYL)PHTHALATE	3.6	3.6	ug/L	J	3.6

Frequency of Detection:	2	/	4
Range of Detections:	3.6	-	3.6
Average of Detections:	3.6		
Average of All Data:	4.55		

TWO SAMPLE TEST OF PROPORTIONS

12.0001	C = Largest upgradient non-detect value plus 0.0001	0.000	p_d = Proportion of Downgradient samples that exceed C
0	K_d = Downgradient measurements that exceed C	0.000	p_u = Proportion of Upgradient samples that exceed C
0	K_u = Upgradient measurements that exceed C	0.000	p = Proportion of samples that exceed C
24	n = Number of Downgradient Samples	0.000	Z_p = Test Statistic
4	m = Number of Upgradient Samples	NO	Downgradients results exceed upgradient when Z_p>1.645

YEAR 4 GROUNDWATER STATISTICAL ANALYSIS RESULTS
UPGRADIENT COMPARISON TO DOWNGRADIENT WELLS
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Downgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2WMW38DS	4/3/2003	12	CADMIUM, DISSOLVED		5	ug/L	U	2.5
2WMW38DS	8/20/2003	13	CADMIUM, DISSOLVED		2	ug/L	UJ	1
2WMW39DS	4/3/2003	12	CADMIUM, DISSOLVED		5	ug/L	U	2.5
2WMW39DS	8/20/2003	13	CADMIUM, DISSOLVED		2	ug/L	U	1
2WMW40DS	4/3/2003	12	CADMIUM, DISSOLVED		5	ug/L	U	2.5
2WMW40DS	8/19/2003	13	CADMIUM, DISSOLVED		10	ug/L	UJ	5
2WMW41DS	4/4/2003	12	CADMIUM, DISSOLVED		5	ug/L	U	2.5
2WMW41DS	8/21/2003	13	CADMIUM, DISSOLVED		10	ug/L	UJ	5
2WMW42DS	4/8/2003	12	CADMIUM, DISSOLVED		5	ug/L	U	2.5
2WMW42DS	8/18/2003	13	CADMIUM, DISSOLVED		10	ug/L	UJ	5
2WMW43DS	4/8/2003	12	CADMIUM, DISSOLVED		5	ug/L	U	2.5
2WMW43DS	8/18/2003	13	CADMIUM, DISSOLVED		2	ug/L	U	1
2WMW44DS	4/14/2003	12	CADMIUM, DISSOLVED		5	ug/L	U	2.5
2WMW44DS	8/19/2003	13	CADMIUM, DISSOLVED		10	ug/L	UJ	5
2WMW45DS	4/14/2003	12	CADMIUM, DISSOLVED		5	ug/L	U	2.5
2WMW45DS	8/19/2003	13	CADMIUM, DISSOLVED		10	ug/L	UJ	5
2WMW46DS	4/13/2003	12	CADMIUM, DISSOLVED		5	ug/L	U	2.5
2WMW46DS	8/18/2003	13	CADMIUM, DISSOLVED		2	ug/L	U	1
2WMW47DS	4/15/2003	12	CADMIUM, DISSOLVED		5	ug/L	U	2.5
2WMW47DS	8/20/2003	13	CADMIUM, DISSOLVED		2	ug/L	U	1
3MW12D	4/2/2003	12	CADMIUM, DISSOLVED		5	ug/L	U	2.5
3MW12D	8/20/2003	13	CADMIUM, DISSOLVED		2	ug/L	UJ	1
3MW37S	4/2/2003	12	CADMIUM, DISSOLVED		5	ug/L	U	2.5
3MW37S	8/20/2003	13	CADMIUM, DISSOLVED		2	ug/L	UJ	1

Frequency of Detection:	0	/	24
Range of Detections:	0	-	0
Average of Detections:	0		
Average of All Data:	2.58		

UPgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2LMW20S	4/15/2003	12	CADMIUM, DISSOLVED		5	ug/L	U	2.5
2LMW20S	8/21/2003	13	CADMIUM, DISSOLVED		2	ug/L	UJ	1
4MW1S	4/15/2003	12	CADMIUM, DISSOLVED		5	ug/L	U	2.5
4MW1S	8/21/2003	13	CADMIUM, DISSOLVED		2	ug/L	UJ	1

Frequency of Detection:	0	/	4
Range of Detections:	0	-	0
Average of Detections:	0		
Average of All Data:	1.75		

TWO SAMPLE TEST OF PROPORTIONS

5.0001	C = Largest upgradient non-detect value plus 0.0001	0.000	p_d = Proportion of Downgradient samples that exceed C
0	K_d = Downgradient measurements that exceed C	0.000	p_u = Proportion of Upgradient samples that exceed C
0	K_u = Upgradient measurements that exceed C	0.000	p = Proportion of samples that exceed C
24	n = Number of Downgradient Samples	0.000	Z_p = Test Statistic
4	m = Number of Upgradient Samples	NO	Downgradients results exceed upgradient when Z_p>1.645

YEAR 4 GROUNDWATER STATISTICAL ANALYSIS RESULTS
UPGRADIENT COMPARISON TO DOWNGRADIENT WELLS
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Downgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2WMW38DS	4/3/2003	12	CADMIUM, TOTAL		5	ug/L	U	2.5
2WMW38DS	8/20/2003	13	CADMIUM, TOTAL		2	ug/L	UJ	1
2WMW39DS	4/3/2003	12	CADMIUM, TOTAL		5	ug/L	U	2.5
2WMW39DS	8/20/2003	13	CADMIUM, TOTAL		2	ug/L	U	1
2WMW40DS	4/3/2003	12	CADMIUM, TOTAL		5	ug/L	U	2.5
2WMW40DS	8/19/2003	13	CADMIUM, TOTAL		10	ug/L	UJ	5
2WMW41DS	4/4/2003	12	CADMIUM, TOTAL		5	ug/L	U	2.5
2WMW41DS	8/21/2003	13	CADMIUM, TOTAL		10	ug/L	UJ	5
2WMW42DS	4/8/2003	12	CADMIUM, TOTAL		5	ug/L	U	2.5
2WMW42DS	8/18/2003	13	CADMIUM, TOTAL		10	ug/L	UJ	5
2WMW43DS	4/8/2003	12	CADMIUM, TOTAL		5	ug/L	U	2.5
2WMW43DS	8/18/2003	13	CADMIUM, TOTAL		2	ug/L	U	1
2WMW44DS	4/14/2003	12	CADMIUM, TOTAL		5	ug/L	U	2.5
2WMW44DS	8/19/2003	13	CADMIUM, TOTAL		10	ug/L	UJ	5
2WMW45DS	4/14/2003	12	CADMIUM, TOTAL		5	ug/L	U	2.5
2WMW45DS	8/19/2003	13	CADMIUM, TOTAL		10	ug/L	UJ	5
2WMW46DS	4/13/2003	12	CADMIUM, TOTAL		5	ug/L	U	2.5
2WMW46DS	8/18/2003	13	CADMIUM, TOTAL		2	ug/L	U	1
2WMW47DS	4/15/2003	12	CADMIUM, TOTAL		5	ug/L	U	2.5
2WMW47DS	8/20/2003	13	CADMIUM, TOTAL		2	ug/L	U	1
3MW12D	4/2/2003	12	CADMIUM, TOTAL		5	ug/L	U	2.5
3MW12D	8/20/2003	13	CADMIUM, TOTAL		2	ug/L	UJ	1
3MW37S	4/2/2003	12	CADMIUM, TOTAL		5	ug/L	U	2.5
3MW37S	8/20/2003	13	CADMIUM, TOTAL		2	ug/L	UJ	1

Frequency of Detection:	0	/	24
Range of Detections:	0	-	0
Average of Detections:	0		
Average of All Data:	2.58		

UPgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2LMW20S	4/15/2003	12	CADMIUM, TOTAL		5	ug/L	U	2.5
2LMW20S	8/21/2003	13	CADMIUM, TOTAL		2	ug/L	UJ	1
4MW1S	4/15/2003	12	CADMIUM, TOTAL		5	ug/L	U	2.5
4MW1S	8/21/2003	13	CADMIUM, TOTAL		2	ug/L	UJ	1

Frequency of Detection:	0	/	4
Range of Detections:	0	-	0
Average of Detections:	0		
Average of All Data:	1.75		

TWO SAMPLE TEST OF PROPORTIONS

5.0001	C = Largest upgradient non-detect value plus 0.0001	0.000	p_d = Proportion of Downgradient samples that exceed C
0	K_d = Downgradient measurements that exceed C	0.000	p_u = Proportion of Upgradient samples that exceed C
0	K_u = Upgradient measurements that exceed C	0.000	p = Proportion of samples that exceed C
24	n = Number of Downgradient Samples	0.000	Z_p = Test Statistic
4	m = Number of Upgradient Samples	NO	Downgradients results exceed upgradient when Z_p>1.645

YEAR 4 GROUNDWATER STATISTICAL ANALYSIS RESULTS
UPGRADIENT COMPARISON TO DOWNGRADIENT WELLS
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Downgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2WMW38DS	4/3/2003	12	CHROMIUM, DISSOLVED		10	ug/L	U	5
2WMW38DS	8/20/2003	13	CHROMIUM, DISSOLVED	3.5	3.5	ug/L	UJ	3.5
2WMW39DS	4/3/2003	12	CHROMIUM, DISSOLVED		10	ug/L	U	5
2WMW39DS	8/20/2003	13	CHROMIUM, DISSOLVED		10	ug/L	UJ	5
2WMW40DS	4/3/2003	12	CHROMIUM, DISSOLVED		10	ug/L	U	5
2WMW40DS	8/19/2003	13	CHROMIUM, DISSOLVED	6.8	6.8	ug/L	J	6.8
2WMW41DS	4/4/2003	12	CHROMIUM, DISSOLVED		10	ug/L	U	5
2WMW41DS	8/21/2003	13	CHROMIUM, DISSOLVED	8.9	8.9	ug/L	J	8.9
2WMW42DS	4/8/2003	12	CHROMIUM, DISSOLVED		10	ug/L	U	5
2WMW42DS	8/18/2003	13	CHROMIUM, DISSOLVED	5.6	5.6	ug/L	J	5.6
2WMW43DS	4/8/2003	12	CHROMIUM, DISSOLVED		10	ug/L	U	5
2WMW43DS	8/18/2003	13	CHROMIUM, DISSOLVED	5.1	5.1	ug/L	J	5.1
2WMW44DS	4/14/2003	12	CHROMIUM, DISSOLVED		10	ug/L	U	5
2WMW44DS	8/19/2003	13	CHROMIUM, DISSOLVED		50	ug/L	UJ	25
2WMW45DS	4/14/2003	12	CHROMIUM, DISSOLVED		10	ug/L	U	5
2WMW45DS	8/19/2003	13	CHROMIUM, DISSOLVED		50	ug/L	UJ	25
2WMW46DS	4/13/2003	12	CHROMIUM, DISSOLVED		10	ug/L	U	5
2WMW46DS	8/18/2003	13	CHROMIUM, DISSOLVED	6.3	6.3	ug/L	J	6.3
2WMW47DS	4/15/2003	12	CHROMIUM, DISSOLVED		10	ug/L	U	5
2WMW47DS	8/20/2003	13	CHROMIUM, DISSOLVED	10	10	ug/L	J	10
3MW12D	4/2/2003	12	CHROMIUM, DISSOLVED		10	ug/L	U	5
3MW12D	8/20/2003	13	CHROMIUM, DISSOLVED		10	ug/L	UJ	5
3MW37S	4/2/2003	12	CHROMIUM, DISSOLVED		10	ug/L	U	5
3MW37S	8/20/2003	13	CHROMIUM, DISSOLVED		10	ug/L	UJ	5

Frequency of Detection:	7	/	24
Range of Detections:	3.5	-	10
Average of Detections:	6.60		
Average of All Data:	7.13		

UPgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2LMW20S	4/15/2003	12	CHROMIUM, DISSOLVED		10	ug/L	U	5
2LMW20S	8/21/2003	13	CHROMIUM, DISSOLVED		10	ug/L	UJ	5
4MW1S	4/15/2003	12	CHROMIUM, DISSOLVED		10	ug/L	U	5
4MW1S	8/21/2003	13	CHROMIUM, DISSOLVED		10	ug/L	UJ	5

Frequency of Detection:	0	/	4
Range of Detections:	0	-	0
Average of Detections:	0		
Average of All Data:	5		

TWO SAMPLE TEST OF PROPORTIONS

10.0001	C = Largest upgradient non-detect value plus 0.0001	0.000	p_d = Proportion of Downgradient samples that exceed C
0	K_d = Downgradient measurements that exceed C	0.000	p_u = Proportion of Upgradient samples that exceed C
0	K_u = Upgradient measurements that exceed C	0.000	p = Proportion of samples that exceed C
24	n = Number of Downgradient Samples	0.000	Z_p = Test Statistic
4	m = Number of Upgradient Samples	NO	Downgradients results exceed upgradient when Z_p>1.645

YEAR 4 GROUNDWATER STATISTICAL ANALYSIS RESULTS
UPGRADIENT COMPARISON TO DOWNGRADIENT WELLS
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Downgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2WMW38DS	4/3/2003	12	CHROMIUM, TOTAL		10	ug/L	U	5
2WMW38DS	8/20/2003	13	CHROMIUM, TOTAL	2.9	2.9	ug/L	J	2.9
2WMW39DS	4/3/2003	12	CHROMIUM, TOTAL		10	ug/L	J	5
2WMW39DS	8/20/2003	13	CHROMIUM, TOTAL		10	ug/L	UJ	5
2WMW40DS	4/3/2003	12	CHROMIUM, TOTAL		10	ug/L	U	5
2WMW40DS	8/19/2003	13	CHROMIUM, TOTAL	6.4	6.4	ug/L	J	6.4
2WMW41DS	4/4/2003	12	CHROMIUM, TOTAL		10	ug/L	U	5
2WMW41DS	8/21/2003	13	CHROMIUM, TOTAL	10	10	ug/L	J	10
2WMW42DS	4/8/2003	12	CHROMIUM, TOTAL		10	ug/L	U	5
2WMW42DS	8/18/2003	13	CHROMIUM, TOTAL		50	ug/L	UJ	25
2WMW43DS	4/8/2003	12	CHROMIUM, TOTAL	20	20	ug/L		20
2WMW43DS	8/18/2003	13	CHROMIUM, TOTAL	4.75	4.75	ug/L	J	4.75
2WMW44DS	4/14/2003	12	CHROMIUM, TOTAL		10	ug/L	U	5
2WMW44DS	8/19/2003	13	CHROMIUM, TOTAL		50	ug/L	UJ	25
2WMW45DS	4/14/2003	12	CHROMIUM, TOTAL		10	ug/L	U	5
2WMW45DS	8/19/2003	13	CHROMIUM, TOTAL	4	4	ug/L	J	4
2WMW46DS	4/13/2003	12	CHROMIUM, TOTAL		10	ug/L	U	5
2WMW46DS	8/18/2003	13	CHROMIUM, TOTAL	6.3	6.3	ug/L	J	6.3
2WMW47DS	4/15/2003	12	CHROMIUM, TOTAL		10	ug/L	U	5
2WMW47DS	8/20/2003	13	CHROMIUM, TOTAL	4.6	4.6	ug/L	J	4.6
3MW12D	4/2/2003	12	CHROMIUM, TOTAL		10	ug/L	U	5
3MW12D	8/20/2003	13	CHROMIUM, TOTAL		10	ug/L	UJ	5
3MW37S	4/2/2003	12	CHROMIUM, TOTAL		10	ug/L	U	5
3MW37S	8/20/2003	13	CHROMIUM, TOTAL		10	ug/L	UJ	5

Frequency of Detection:	8	/	24
Range of Detections:	2.9	-	20
Average of Detections:	7.37		
Average of All Data:	7.46		

UPgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2LMW20S	4/15/2003	12	CHROMIUM, TOTAL		10	ug/L	U	5
2LMW20S	8/21/2003	13	CHROMIUM, TOTAL		10	ug/L	UJ	5
4MW1S	4/15/2003	12	CHROMIUM, TOTAL		10	ug/L	U	5
4MW1S	8/21/2003	13	CHROMIUM, TOTAL		10	ug/L	UJ	5

Frequency of Detection:	0	/	4
Range of Detections:	0	-	0
Average of Detections:	0		
Average of All Data:	5		

TWO SAMPLE TEST OF PROPORTIONS

10.0001	C = Largest upgradient non-detect value plus 0.0001	0.042	p_d = Proportion of Downgradient samples that exceed C
1	K_d = Downgradient measurements that exceed C	0.000	p_u = Proportion of Upgradient samples that exceed C
0	K_u = Upgradient measurements that exceed C	0.036	p = Proportion of samples that exceed C
24	n = Number of Downgradient Samples	0.416	Z_p = Test Statistic
4	m = Number of Upgradient Samples	NO	Downgradients results exceed upgradient when Z_p>1.645

YEAR 4 GROUNDWATER STATISTICAL ANALYSIS RESULTS
UPGRADIENT COMPARISON TO DOWNGRADIENT WELLS
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Downgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2WMW38DS	4/3/2003	12	COPPER, DISSOLVED		10	ug/L	U	5
2WMW38DS	8/20/2003	13	COPPER, DISSOLVED		10	ug/L	UJ	5
2WMW39DS	4/3/2003	12	COPPER, DISSOLVED		10	ug/L	U	5
2WMW39DS	8/20/2003	13	COPPER, DISSOLVED		10	ug/L	UJ	5
2WMW40DS	4/3/2003	12	COPPER, DISSOLVED		10	ug/L	U	5
2WMW40DS	8/19/2003	13	COPPER, DISSOLVED		50	ug/L	UJ	25
2WMW41DS	4/4/2003	12	COPPER, DISSOLVED		10	ug/L	U	5
2WMW41DS	8/21/2003	13	COPPER, DISSOLVED		50	ug/L	UJ	25
2WMW42DS	4/8/2003	12	COPPER, DISSOLVED		10	ug/L	U	5
2WMW42DS	8/18/2003	13	COPPER, DISSOLVED		50	ug/L	UJ	25
2WMW43DS	4/8/2003	12	COPPER, DISSOLVED		10	ug/L	U	5
2WMW43DS	8/18/2003	13	COPPER, DISSOLVED		10	ug/L	U	5
2WMW44DS	4/14/2003	12	COPPER, DISSOLVED		10	ug/L	U	5
2WMW44DS	8/19/2003	13	COPPER, DISSOLVED		50	ug/L	UJ	25
2WMW45DS	4/14/2003	12	COPPER, DISSOLVED		10	ug/L	U	5
2WMW45DS	8/19/2003	13	COPPER, DISSOLVED		50	ug/L	UJ	25
2WMW46DS	4/13/2003	12	COPPER, DISSOLVED		10	ug/L	U	5
2WMW46DS	8/18/2003	13	COPPER, DISSOLVED		10	ug/L	U	5
2WMW47DS	4/15/2003	12	COPPER, DISSOLVED		10	ug/L	U	5
2WMW47DS	8/20/2003	13	COPPER, DISSOLVED	5.6	5.6	ug/L	J	5.6
3MW12D	4/2/2003	12	COPPER, DISSOLVED		10	ug/L	U	5
3MW12D	8/20/2003	13	COPPER, DISSOLVED		10	ug/L	UJ	5
3MW37S	4/2/2003	12	COPPER, DISSOLVED		10	ug/L	U	5
3MW37S	8/20/2003	13	COPPER, DISSOLVED		10	ug/L	UJ	5

Frequency of Detection:	1	/	24
Range of Detections:	5.6	-	5.6
Average of Detections:	5.6		
Average of All Data:	9.19		

Upgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2LMW20S	4/15/2003	12	COPPER, DISSOLVED		10	ug/L	U	5
2LMW20S	8/21/2003	13	COPPER, DISSOLVED		10	ug/L	UJ	5
4MW1S	4/15/2003	12	COPPER, DISSOLVED		10	ug/L	U	5
4MW1S	8/21/2003	13	COPPER, DISSOLVED		10	ug/L	UJ	5

Frequency of Detection:	0	/	4
Range of Detections:	0	-	0
Average of Detections:	0		
Average of All Data:	5		

TWO SAMPLE TEST OF PROPORTIONS

10.0001	C = Largest upgradient non-detect value plus 0.0001	0.000	p_d = Proportion of Downgradient samples that exceed C
0	K_d = Downgradient measurements that exceed C	0.000	p_u = Proportion of Upgradient samples that exceed C
0	K_u = Upgradient measurements that exceed C	0.000	p = Proportion of samples that exceed C
24	n = Number of Downgradient Samples	0.000	Z_p = Test Statistic
4	m = Number of Upgradient Samples	NO	Downgradients results exceed upgradient when Z_p>1.645

YEAR 4 GROUNDWATER STATISTICAL ANALYSIS RESULTS
UPGRADIENT COMPARISON TO DOWNGRADIENT WELLS
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Downgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2WMW38DS	4/3/2003	12	COPPER, TOTAL		10	ug/L	U	5
2WMW38DS	8/20/2003	13	COPPER, TOTAL	1.8	1.8	ug/L	J	1.8
2WMW39DS	4/3/2003	12	COPPER, TOTAL		10	ug/L	U	5
2WMW39DS	8/20/2003	13	COPPER, TOTAL		10	ug/L	UJ	5
2WMW40DS	4/3/2003	12	COPPER, TOTAL		10	ug/L	U	5
2WMW40DS	8/19/2003	13	COPPER, TOTAL		50	ug/L	UJ	25
2WMW41DS	4/4/2003	12	COPPER, TOTAL		10	ug/L	U	5
2WMW41DS	8/21/2003	13	COPPER, TOTAL		50	ug/L	UJ	25
2WMW42DS	4/8/2003	12	COPPER, TOTAL		10	ug/L	U	5
2WMW42DS	8/18/2003	13	COPPER, TOTAL		50	ug/L	UJ	25
2WMW43DS	4/8/2003	12	COPPER, TOTAL		10	ug/L	U	5
2WMW43DS	8/18/2003	13	COPPER, TOTAL		10	ug/L	U	5
2WMW44DS	4/14/2003	12	COPPER, TOTAL		10	ug/L	U	5
2WMW44DS	8/19/2003	13	COPPER, TOTAL		50	ug/L	UJ	25
2WMW45DS	4/14/2003	12	COPPER, TOTAL		10	ug/L	U	5
2WMW45DS	8/19/2003	13	COPPER, TOTAL		50	ug/L	UJ	25
2WMW46DS	4/13/2003	12	COPPER, TOTAL		10	ug/L	U	5
2WMW46DS	8/18/2003	13	COPPER, TOTAL		10	ug/L	U	5
2WMW47DS	4/15/2003	12	COPPER, TOTAL		10	ug/L	U	5
2WMW47DS	8/20/2003	13	COPPER, TOTAL	5.7	5.7	ug/L	J	5.7
3MW12D	4/2/2003	12	COPPER, TOTAL		10	ug/L	U	5
3MW12D	8/20/2003	13	COPPER, TOTAL	2.5	2.5	ug/L	J	2.5
3MW37S	4/2/2003	12	COPPER, TOTAL		10	ug/L	U	5
3MW37S	8/20/2003	13	COPPER, TOTAL		10	ug/L	UJ	5

Frequency of Detection:	3	/	24
Range of Detections:	1.8	-	5.7
Average of Detections:	3.33		
Average of All Data:	8.96		

Upgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2LMW20S	4/15/2003	12	COPPER, TOTAL		10	ug/L	U	5
2LMW20S	8/21/2003	13	COPPER, TOTAL		10	ug/L	UJ	5
4MW1S	4/15/2003	12	COPPER, TOTAL		10	ug/L	U	5
4MW1S	8/21/2003	13	COPPER, TOTAL		10	ug/L	UJ	5

Frequency of Detection:	0	/	4
Range of Detections:	0	-	0
Average of Detections:	0		
Average of All Data:	5		

TWO SAMPLE TEST OF PROPORTIONS

10.0001	C = Largest upgradient non-detect value plus 0.0001	0.000	p_d = Proportion of Downgradient samples that exceed C
0	K_d = Downgradient measurements that exceed C	0.000	p_u = Proportion of Upgradient samples that exceed C
0	K_u = Upgradient measurements that exceed C	0.000	p = Proportion of samples that exceed C
24	n = Number of Downgradient Samples	0.000	Z_p = Test Statistic
4	m = Number of Upgradient Samples	NO	Downgradients results exceed upgradient when Z_p>1.645

YEAR 4 GROUNDWATER STATISTICAL ANALYSIS RESULTS
UPGRADIENT COMPARISON TO DOWNGRADIENT WELLS
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Downgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2WMW38DS	4/3/2003	12	LEAD, DISSOLVED		10	ug/L	U	5
2WMW38DS	8/20/2003	13	LEAD, DISSOLVED		5	ug/L	UJ	2.5
2WMW39DS	4/3/2003	12	LEAD, DISSOLVED		10	ug/L	U	5
2WMW39DS	8/20/2003	13	LEAD, DISSOLVED		5	ug/L	U	2.5
2WMW40DS	4/3/2003	12	LEAD, DISSOLVED		10	ug/L	U	5
2WMW40DS	8/19/2003	13	LEAD, DISSOLVED		25	ug/L	UJ	12.5
2WMW41DS	4/4/2003	12	LEAD, DISSOLVED		10	ug/L	U	5
2WMW41DS	8/21/2003	13	LEAD, DISSOLVED		25	ug/L	UJ	12.5
2WMW42DS	4/8/2003	12	LEAD, DISSOLVED		10	ug/L	U	5
2WMW42DS	8/18/2003	13	LEAD, DISSOLVED		25	ug/L	UJ	12.5
2WMW43DS	4/8/2003	12	LEAD, DISSOLVED		10	ug/L	U	5
2WMW43DS	8/18/2003	13	LEAD, DISSOLVED		5	ug/L	U	2.5
2WMW44DS	4/14/2003	12	LEAD, DISSOLVED		10	ug/L	U	5
2WMW44DS	8/19/2003	13	LEAD, DISSOLVED		25	ug/L	UJ	12.5
2WMW45DS	4/14/2003	12	LEAD, DISSOLVED		10	ug/L	U	5
2WMW45DS	8/19/2003	13	LEAD, DISSOLVED		25	ug/L	UJ	12.5
2WMW46DS	4/13/2003	12	LEAD, DISSOLVED		10	ug/L	U	5
2WMW46DS	8/18/2003	13	LEAD, DISSOLVED		5	ug/L	U	2.5
2WMW47DS	4/15/2003	12	LEAD, DISSOLVED	15	15	ug/L		15
2WMW47DS	8/20/2003	13	LEAD, DISSOLVED	7	7	ug/L		7
3MW12D	4/2/2003	12	LEAD, DISSOLVED		10	ug/L	U	5
3MW12D	8/20/2003	13	LEAD, DISSOLVED		5	ug/L	UJ	2.5
3MW37S	4/2/2003	12	LEAD, DISSOLVED		10	ug/L	U	5
3MW37S	8/20/2003	13	LEAD, DISSOLVED		5	ug/L	UJ	2.5

Frequency of Detection:	2	/	24
Range of Detections:	7	-	15
Average of Detections:	11		
Average of All Data:	6.44		

UPgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2LMW20S	4/15/2003	12	LEAD, DISSOLVED		10	ug/L	U	5
2LMW20S	8/21/2003	13	LEAD, DISSOLVED		5	ug/L	UJ	2.5
4MW1S	4/15/2003	12	LEAD, DISSOLVED		10	ug/L	U	5
4MW1S	8/21/2003	13	LEAD, DISSOLVED		5	ug/L	UJ	2.5

Frequency of Detection:	0	/	4
Range of Detections:	0	-	0
Average of Detections:	0		
Average of All Data:	3.75		

TWO SAMPLE TEST OF PROPORTIONS

10.0001	C = Largest upgradient non-detect value plus 0.0001	0.042	p_d = Proportion of Downgradient samples that exceed C
1	K_d = Downgradient measurements that exceed C	0.000	p_u = Proportion of Upgradient samples that exceed C
0	K_u = Upgradient measurements that exceed C	0.036	p = Proportion of samples that exceed C
24	n = Number of Downgradient Samples	0.416	Z_p = Test Statistic
4	m = Number of Upgradient Samples	NO	Downgradients results exceed upgradient when Z_p>1.645

YEAR 4 GROUNDWATER STATISTICAL ANALYSIS RESULTS
UPGRADIENT COMPARISON TO DOWNGRADIENT WELLS
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Downgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2WMW38DS	4/3/2003	12	LEAD, TOTAL		10	ug/L	U	5
2WMW38DS	8/20/2003	13	LEAD, TOTAL		5	ug/L	UJ	2.5
2WMW39DS	4/3/2003	12	LEAD, TOTAL		10	ug/L	U	5
2WMW39DS	8/20/2003	13	LEAD, TOTAL		5	ug/L	U	2.5
2WMW40DS	4/3/2003	12	LEAD, TOTAL		10	ug/L	U	5
2WMW40DS	8/19/2003	13	LEAD, TOTAL		25	ug/L	UJ	12.5
2WMW41DS	4/4/2003	12	LEAD, TOTAL		10	ug/L	U	5
2WMW41DS	8/21/2003	13	LEAD, TOTAL		25	ug/L	UJ	12.5
2WMW42DS	4/8/2003	12	LEAD, TOTAL		10	ug/L	U	5
2WMW42DS	8/18/2003	13	LEAD, TOTAL		25	ug/L	UJ	12.5
2WMW43DS	4/8/2003	12	LEAD, TOTAL		10	ug/L	U	5
2WMW43DS	8/18/2003	13	LEAD, TOTAL		5	ug/L	U	2.5
2WMW44DS	4/14/2003	12	LEAD, TOTAL		10	ug/L	U	5
2WMW44DS	8/19/2003	13	LEAD, TOTAL		25	ug/L	UJ	12.5
2WMW45DS	4/14/2003	12	LEAD, TOTAL		10	ug/L	U	5
2WMW45DS	8/19/2003	13	LEAD, TOTAL		25	ug/L	UJ	12.5
2WMW46DS	4/13/2003	12	LEAD, TOTAL		10	ug/L	U	5
2WMW46DS	8/18/2003	13	LEAD, TOTAL		5	ug/L	U	2.5
2WMW47DS	4/15/2003	12	LEAD, TOTAL	14	14	ug/L		14
2WMW47DS	8/20/2003	13	LEAD, TOTAL		5	ug/L	U	2.5
3MW12D	4/2/2003	12	LEAD, TOTAL		10	ug/L	U	5
3MW12D	8/20/2003	13	LEAD, TOTAL		5	ug/L	UJ	2.5
3MW37S	4/2/2003	12	LEAD, TOTAL		10	ug/L	U	5
3MW37S	8/20/2003	13	LEAD, TOTAL		5	ug/L	UJ	2.5

Frequency of Detection:	1	/	24
Range of Detections:	14	-	14
Average of Detections:	14		
Average of All Data:	6.21		

UPgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2LMW20S	4/15/2003	12	LEAD, TOTAL		10	ug/L	U	5
2LMW20S	8/21/2003	13	LEAD, TOTAL		5	ug/L	UJ	2.5
4MW1S	4/15/2003	12	LEAD, TOTAL		10	ug/L	U	5
4MW1S	8/21/2003	13	LEAD, TOTAL		5	ug/L	UJ	2.5

Frequency of Detection:	0	/	4
Range of Detections:	0	-	0
Average of Detections:	0		
Average of All Data:	3.75		

TWO SAMPLE TEST OF PROPORTIONS

10.0001	C = Largest upgradient non-detect value plus 0.0001	0.042	p_d = Proportion of Downgradient samples that exceed C
1	K_d = Downgradient measurements that exceed C	0.000	p_u = Proportion of Upgradient samples that exceed C
0	K_u = Upgradient measurements that exceed C	0.036	p = Proportion of samples that exceed C
24	n = Number of Downgradient Samples	0.416	Z_p = Test Statistic
4	m = Number of Upgradient Samples	NO	Downgradients results exceed upgradient when Z_p>1.645

YEAR 4 GROUNDWATER STATISTICAL ANALYSIS RESULTS
UPGRADIENT COMPARISON TO DOWNGRADIENT WELLS
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Downgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2WMW38DS	4/3/2003	12	PHENANTHRENE		0.1	ug/l	U	0.05
2WMW38DS	8/20/2003	13	PHENANTHRENE		0.2	ug/l	UJ	0.1
2WMW39DS	4/3/2003	12	PHENANTHRENE		0.1	ug/l	U	0.05
2WMW39DS	8/20/2003	13	PHENANTHRENE		0.2	ug/l	UJ	0.1
2WMW40DS	4/3/2003	12	PHENANTHRENE		0.1	ug/l	U	0.05
2WMW40DS	8/19/2003	13	PHENANTHRENE		0.2	ug/l	UJ	0.1
2WMW41DS	4/4/2003	12	PHENANTHRENE		0.1	ug/l	U	0.05
2WMW41DS	8/21/2003	13	PHENANTHRENE		0.2	ug/l	UJ	0.1
2WMW42DS	4/8/2003	12	PHENANTHRENE	7.2	7.2	ug/l		3.6
2WMW42DS	8/18/2003	13	PHENANTHRENE		0.2	ug/l	UJ	0.1
2WMW43DS	4/8/2003	12	PHENANTHRENE		0.1	ug/l	U	0.05
2WMW43DS	8/18/2003	13	PHENANTHRENE		0.2	ug/l	U	0.1
2WMW44DS	4/14/2003	12	PHENANTHRENE		0.1	ug/l	U	0.05
2WMW44DS	8/19/2003	13	PHENANTHRENE		0.2	ug/l	UJ	0.1
2WMW45DS	4/14/2003	12	PHENANTHRENE		0.1	ug/l	U	0.05
2WMW45DS	8/19/2003	13	PHENANTHRENE		0.2	ug/l	UJ	0.1
2WMW46DS	4/13/2003	12	PHENANTHRENE		0.1	ug/l	U	0.05
2WMW46DS	8/18/2003	13	PHENANTHRENE		0.2	ug/l	UJ	0.1
2WMW47DS	4/15/2003	12	PHENANTHRENE		0.1	ug/l	U	0.05
2WMW47DS	8/20/2003	13	PHENANTHRENE		0.2	ug/l	U	0.1
3MW12D	4/2/2003	12	PHENANTHRENE		0.1	ug/l	U	0.05
3MW12D	8/20/2003	13	PHENANTHRENE		0.2	ug/l	UJ	0.1
3MW37S	4/2/2003	12	PHENANTHRENE		0.1	ug/l	U	0.05
3MW37S	8/20/2003	13	PHENANTHRENE		0.2	ug/l	U	0.1

Frequency of Detection:	1	/	24
Range of Detections:	7.2	-	7.2
Average of Detections:	7.2		
Average of All Data:	0.223		

Upgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2LMW20S	4/15/2003	12	PHENANTHRENE		0.1	ug/l	U	0.05
2LMW20S	8/21/2003	13	PHENANTHRENE		0.2	ug/l	UJ	0.1
4MW1S	4/15/2003	12	PHENANTHRENE		0.1	ug/l	U	0.05
4MW1S	8/21/2003	13	PHENANTHRENE		0.2	ug/l	UJ	0.1

Frequency of Detection:	0	/	4
Range of Detections:	0	-	0
Average of Detections:	0		
Average of All Data:	0.075		

TWO SAMPLE TEST OF PROPORTIONS

0.2001	C = Largest upgradient non-detect value plus 0.0001	0.042	p_d = Proportion of Downgradient samples that exceed C
1	K_d = Downgradient measurements that exceed C	0.000	p_u = Proportion of Upgradient samples that exceed C
0	K_u = Upgradient measurements that exceed C	0.036	p = Proportion of samples that exceed C
24	n = Number of Downgradient Samples	0.416	Z_p = Test Statistic
4	m = Number of Upgradient Samples	NO	Downgradients results exceed upgradient when Z_p>1.645

YEAR 4 GROUNDWATER STATISTICAL ANALYSIS RESULTS
UPGRADIENT COMPARISON TO DOWNGRADIENT WELLS
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Downgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2WMW38DS	4/3/2003	12	ZINC, DISSOLVED		50	ug/L	U	25
2WMW38DS	8/20/2003	13	ZINC, DISSOLVED		50	ug/L	U	25
2WMW39DS	4/3/2003	12	ZINC, DISSOLVED		50	ug/L	U	25
2WMW39DS	8/20/2003	13	ZINC, DISSOLVED		50	ug/L	U	25
2WMW40DS	4/3/2003	12	ZINC, DISSOLVED		50	ug/L	U	25
2WMW40DS	8/19/2003	13	ZINC, DISSOLVED		250	ug/L	UJ	125
2WMW41DS	4/4/2003	12	ZINC, DISSOLVED		50	ug/L	U	25
2WMW41DS	8/21/2003	13	ZINC, DISSOLVED		250	ug/L	UJ	125
2WMW42DS	4/8/2003	12	ZINC, DISSOLVED		50	ug/L	U	25
2WMW42DS	8/18/2003	13	ZINC, DISSOLVED	14	14	ug/L	J	14
2WMW43DS	4/8/2003	12	ZINC, DISSOLVED		50	ug/L	U	25
2WMW43DS	8/18/2003	13	ZINC, DISSOLVED	7.2	7.2	ug/L	J	7.2
2WMW44DS	4/14/2003	12	ZINC, DISSOLVED		50	ug/L	U	25
2WMW44DS	8/19/2003	13	ZINC, DISSOLVED		250	ug/L	UJ	125
2WMW45DS	4/14/2003	12	ZINC, DISSOLVED		50	ug/L	U	25
2WMW45DS	8/19/2003	13	ZINC, DISSOLVED		250	ug/L	UJ	125
2WMW46DS	4/13/2003	12	ZINC, DISSOLVED		50	ug/L	U	25
2WMW46DS	8/18/2003	13	ZINC, DISSOLVED	3.6	3.6	ug/L	J	3.6
2WMW47DS	4/15/2003	12	ZINC, DISSOLVED		50	ug/L	U	25
2WMW47DS	8/20/2003	13	ZINC, DISSOLVED		50	ug/L	U	25
3MW12D	4/2/2003	12	ZINC, DISSOLVED		50	ug/L	U	25
3MW12D	8/20/2003	13	ZINC, DISSOLVED		50	ug/L	U	25
3MW37S	4/2/2003	12	ZINC, DISSOLVED		50	ug/L	U	25
3MW37S	8/20/2003	13	ZINC, DISSOLVED		50	ug/L	U	25

Frequency of Detection:	3	/	24
Range of Detections:	3.6	-	14
Average of Detections:	8.27		
Average of All Data:	39.58		

Upgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2LMW20S	4/15/2003	12	ZINC, DISSOLVED		50	ug/L	U	25
2LMW20S	8/21/2003	13	ZINC, DISSOLVED	12	12	ug/L	J	12
4MW1S	4/15/2003	12	ZINC, DISSOLVED		50	ug/L	U	25
4MW1S	8/21/2003	13	ZINC, DISSOLVED		50	ug/L	U	25

Frequency of Detection:	1	/	4
Range of Detections:	12	-	12
Average of Detections:	12		
Average of All Data:	21.75		

TWO SAMPLE TEST OF PROPORTIONS

50.0001	C = Largest upgradient non-detect value plus 0.0001	0.000	p_d = Proportion of Downgradient samples that exceed C
0	K_d = Downgradient measurements that exceed C	0.000	p_u = Proportion of Upgradient samples that exceed C
0	K_u = Upgradient measurements that exceed C	0.000	p = Proportion of samples that exceed C
24	n = Number of Downgradient Samples	0.000	Z_p = Test Statistic
4	m = Number of Upgradient Samples	NO	Downgradients results exceed upgradient when Z_p>1.645

YEAR 4 GROUNDWATER STATISTICAL ANALYSIS RESULTS
UPGRADIENT COMPARISON TO DOWNGRADIENT WELLS
AREA A LANDFILL, NSB-NLON, GROTON, CONNECTICUT

Downgradient:

StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2WMW38DS	4/3/2003	12	ZINC, DISSOLVED		50	ug/L	U	25
2WMW38DS	8/20/2003	13	ZINC, DISSOLVED		50	ug/L	U	25
2WMW39DS	4/3/2003	12	ZINC, DISSOLVED		50	ug/L	U	25
2WMW39DS	8/20/2003	13	ZINC, DISSOLVED		50	ug/L	U	25
2WMW40DS	4/3/2003	12	ZINC, DISSOLVED		50	ug/L	U	25
2WMW40DS	8/19/2003	13	ZINC, DISSOLVED		250	ug/L	UJ	125
2WMW41DS	4/4/2003	12	ZINC, DISSOLVED		50	ug/L	U	25
2WMW41DS	8/21/2003	13	ZINC, DISSOLVED		250	ug/L	UJ	125
2WMW42DS	4/8/2003	12	ZINC, DISSOLVED		50	ug/L	U	25
2WMW42DS	8/18/2003	13	ZINC, DISSOLVED	31	31	ug/L	J	31
2WMW43DS	4/8/2003	12	ZINC, DISSOLVED		50	ug/L	U	25
2WMW43DS	8/18/2003	13	ZINC, DISSOLVED	6.4	6.4	ug/L	J	6.4
2WMW44DS	4/14/2003	12	ZINC, DISSOLVED		50	ug/L	U	25
2WMW44DS	8/19/2003	13	ZINC, DISSOLVED		250	ug/L	UJ	125
2WMW45DS	4/14/2003	12	ZINC, DISSOLVED		50	ug/L	U	25
2WMW45DS	8/19/2003	13	ZINC, DISSOLVED		250	ug/L	UJ	125
2WMW46DS	4/13/2003	12	ZINC, DISSOLVED	60	60	ug/L		60
2WMW46DS	8/18/2003	13	ZINC, DISSOLVED	19	19	ug/L	J	19
2WMW47DS	4/15/2003	12	ZINC, DISSOLVED		50	ug/L	U	25
2WMW47DS	8/20/2003	13	ZINC, DISSOLVED		50	ug/L	U	25
3MW12D	4/2/2003	12	ZINC, DISSOLVED		50	ug/L	U	25
3MW12D	8/20/2003	13	ZINC, DISSOLVED		50	ug/L	U	25
3MW37S	4/2/2003	12	ZINC, DISSOLVED		50	ug/L	U	25
3MW37S	8/20/2003	13	ZINC, DISSOLVED		50	ug/L	U	25

Frequency of Detection:	4	/	24
Range of Detections:	6.4	-	60
Average of Detections:	29.1		
Average of All Data:	42.35		

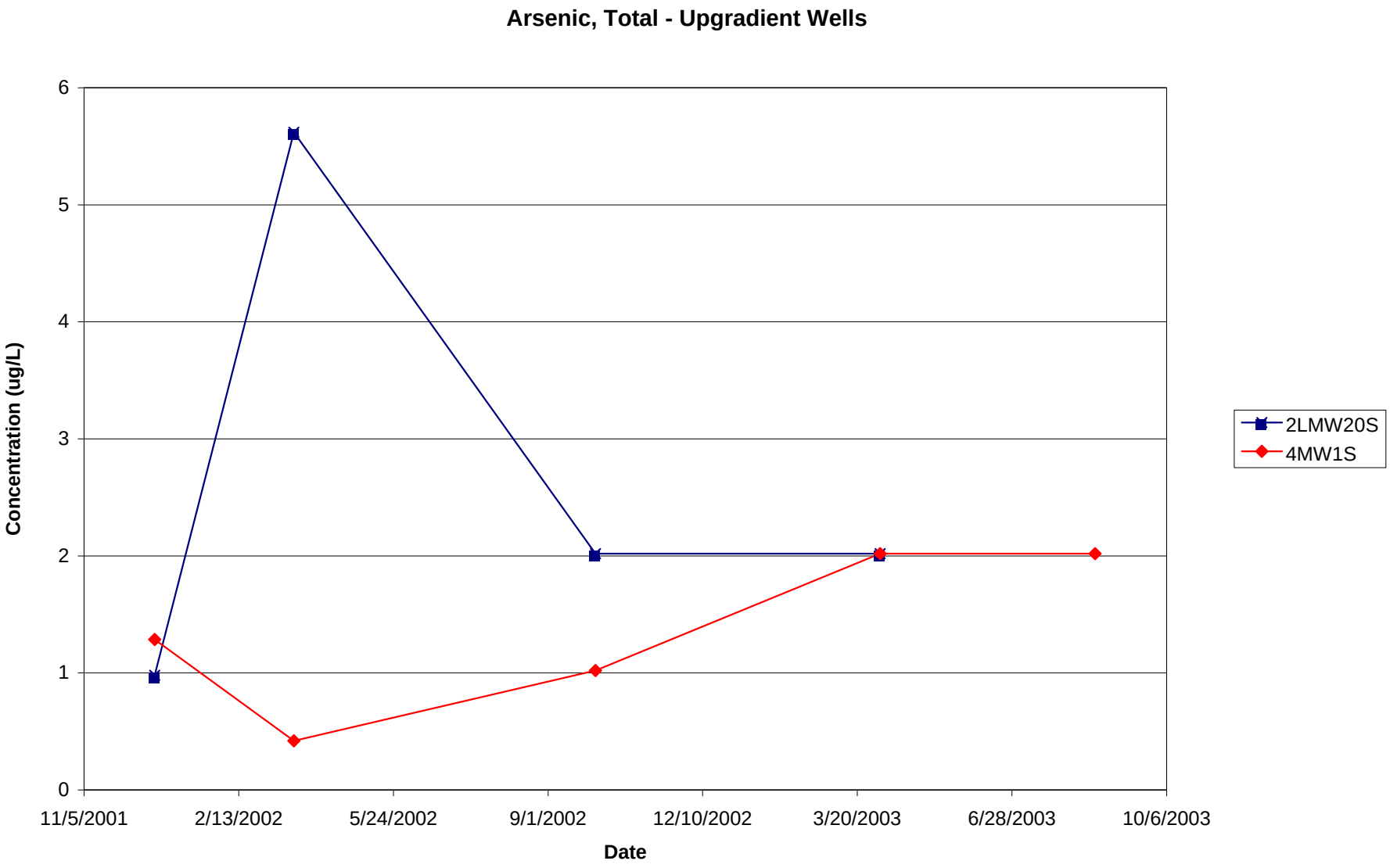
Upgradient:

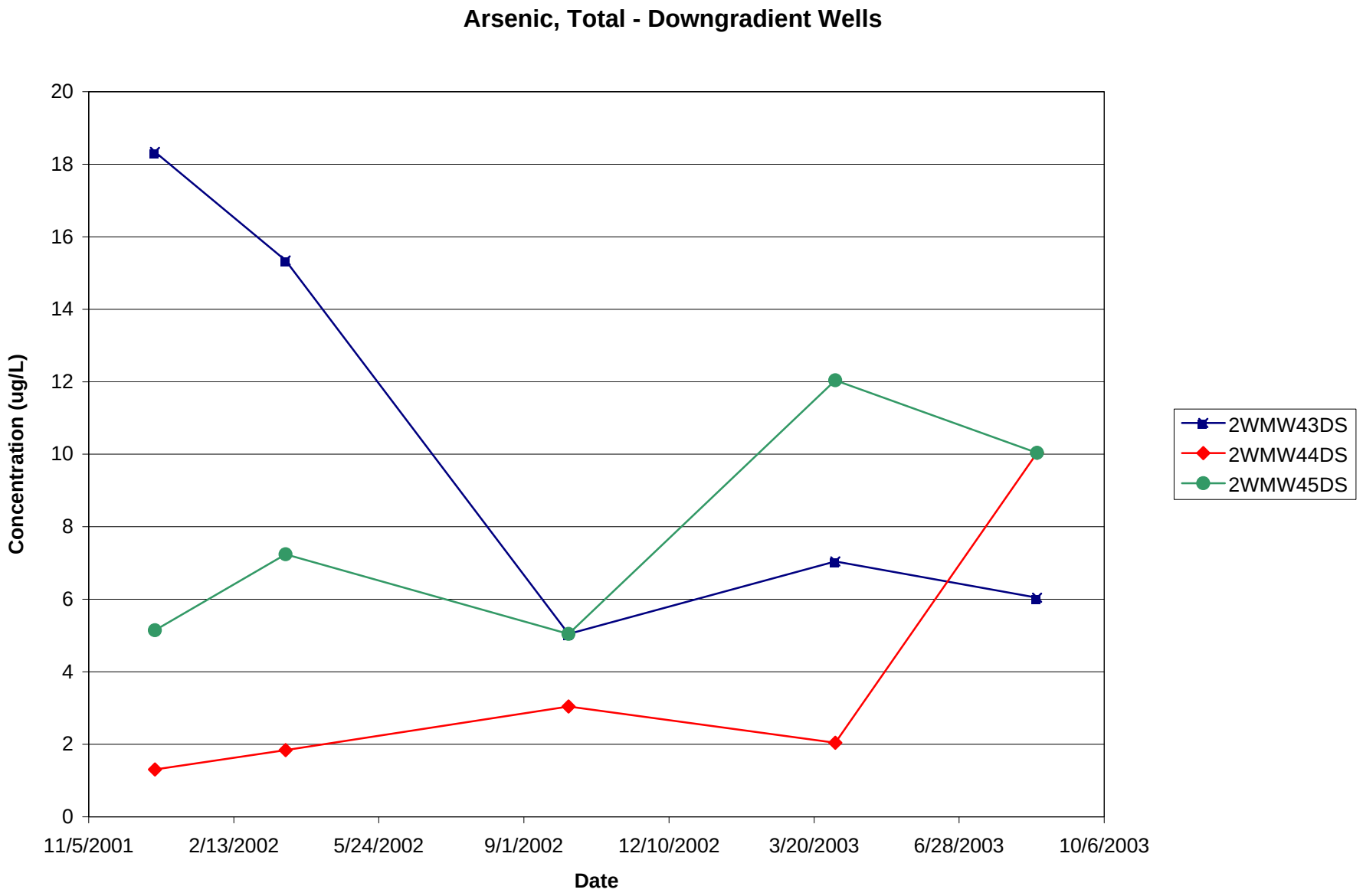
StationName	SampleDate	Rnd	ParameterName	Detects	Value	ReportingUnits	ValidationCode	Statistical Value
2LMW20S	4/15/2003	12	ZINC, DISSOLVED	50	50	ug/L		50
2LMW20S	8/21/2003	13	ZINC, DISSOLVED		50	ug/L	U	25
4MW1S	4/15/2003	12	ZINC, DISSOLVED		50	ug/L	U	25
4MW1S	8/21/2003	13	ZINC, DISSOLVED		50	ug/L	U	25

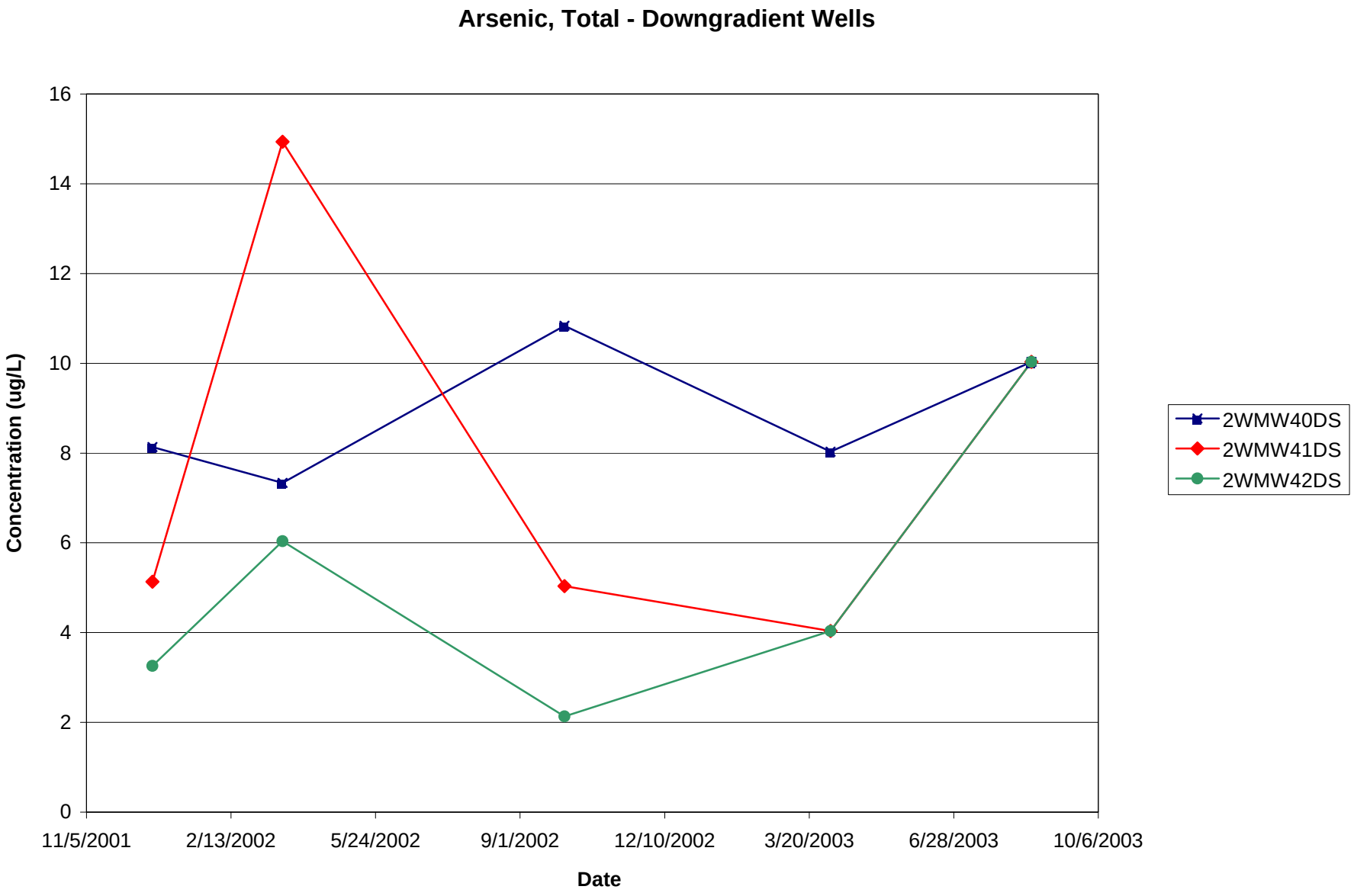
Frequency of Detection:	1	/	4
Range of Detections:	50	-	50
Average of Detections:	50		
Average of All Data:	31.25		

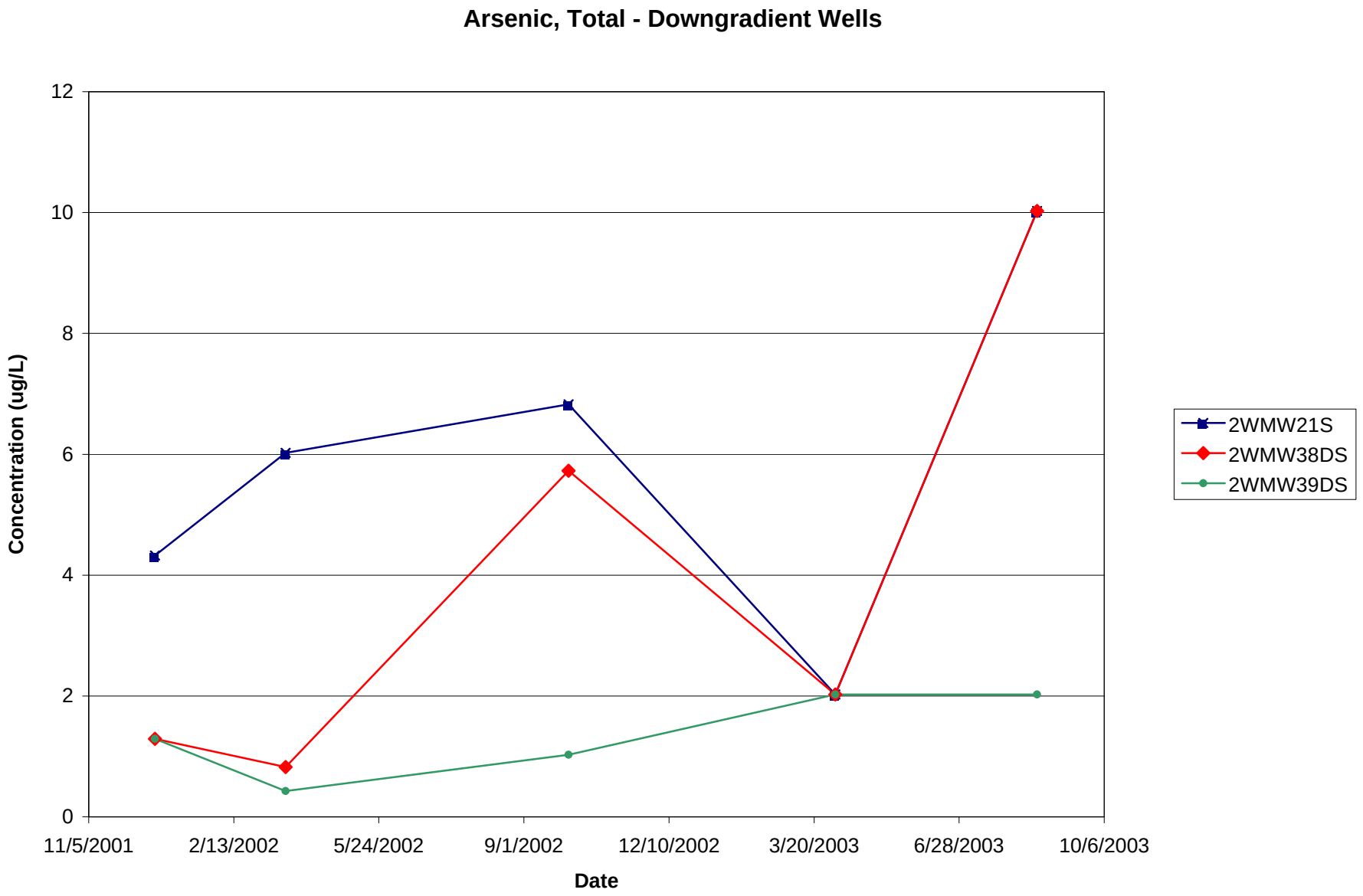
TWO SAMPLE TEST OF PROPORTIONS

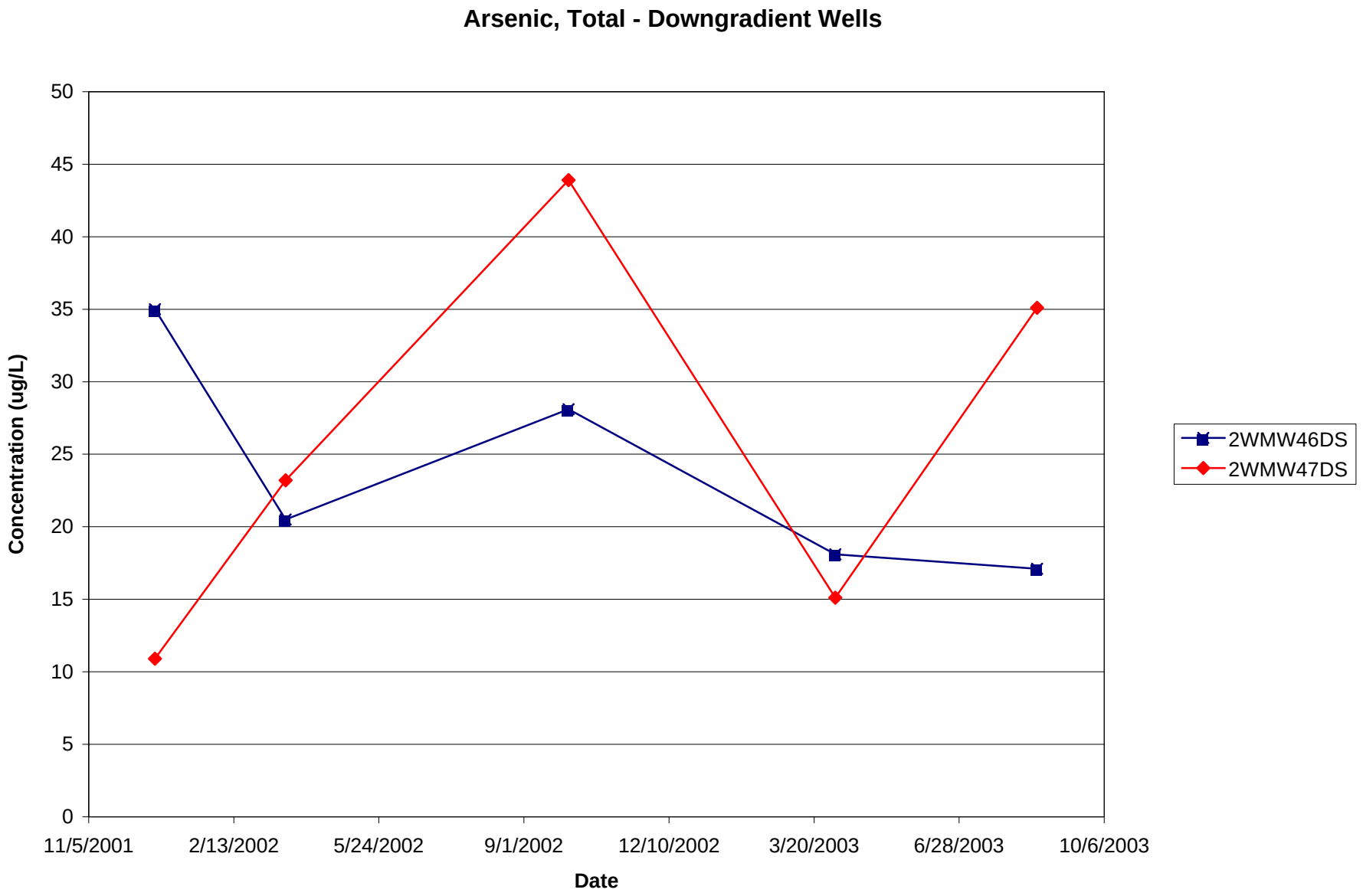
50.0001	C = Largest upgradient non-detect value plus 0.0001	0.042	p_d = Proportion of Downgradient samples that exceed C
1	K_d = Downgradient measurements that exceed C	0.000	p_u = Proportion of Upgradient samples that exceed C
0	K_u = Upgradient measurements that exceed C	0.036	p = Proportion of samples that exceed C
24	n = Number of Downgradient Samples	0.416	Z_p = Test Statistic
4	m = Number of Upgradient Samples	NO	Downgradients results exceed upgradient when Z_p>1.645


Arsenic, Total - Upgradient Wells
Concentration (ug/L)
6
5
4
3
2
1
0
11/5/2001
2/13/2002
5/24/2002
9/1/2002
12/10/2002
3/20/2003
6/28/2003
10/6/2003
Date
2LMW20S
4MW1S


Arsenic, Total - Downgradient Wells
Concentration (ug/L)
20
18
16
14
12
10
8
6
4
2
0
11/5/2001
2/13/2002
5/24/2002
9/1/2002
12/10/2002
3/20/2003
6/28/2003
10/6/2003
Date
2WMW43DS
2WMW44DS
2WMW45DS


Arsenic, Total - Downgradient Wells
Concentration (ug/L)
16
14
12
10
8
6
4
2
0
11/5/2001
2/13/2002
5/24/2002
9/1/2002
12/10/2002
3/20/2003
6/28/2003
10/6/2003
Date
2WMW40DS
2WMW41DS
2WMW42DS


Arsenic, Total - Downgradient Wells
Concentration (ug/L)
12
10
8
6
4
2
0
11/5/2001
2/13/2002
5/24/2002
9/1/2002
12/10/2002
3/20/2003
6/28/2003
10/6/2003
Date
2WMW21S
2WMW38DS
2WMW39DS


Arsenic, Total - Downgradient Wells
Concentration (ug/L)
50
45
40
35
30
25
20
15
10
5
0
11/5/2001
2/13/2002
5/24/2002
9/1/2002
12/10/2002
3/20/2003
6/28/2003
10/6/2003
Date
2WMW46DS
2WMW47DS